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THE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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March 7, 1944

Trade-Marks	115—No.	405,998 to No.	406,112, inclusive.
T. M. Renewals	77		
Reissues	4—No.	22,451 to No.	22,454, inclusive.
Patents	621—No.	2,343,237 to No.	2,343,857, inclusive.
Designs	32—No.	137,402 to No.	137,433, inclusive.
Total	849		

Interference Notice

U. S. Patent Office, *Richmond, Va., Feb. 4, 1944.*

Everett W. Buck, Jr., his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Pig'n Whistle Corporation, 621 Market St., San Francisco, Calif., for registration of a trade-mark and trade-mark registered April 16, 1940, No. 377,001, to Everett W. Buck, Jr., Oakdale, Iowa, and the notice of such proceeding sent by registered mail to said Buck at the said address having been returned by the post office as undeliverable and reforwarded by registered mail to said Buck at 209 East 6th St., Tulsa Okla., the address given by counsel for said Buck, having also been returned by the post office as undeliverable, notice is hereby given that unless said Buck, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. Patent Office, *Richmond, Va., Feb. 11, 1944.*

Rosalind Mayer, her assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Milton W. Folds, 2005 S. Michigan Ave., Chicago, Ill., to effect the cancellation of trade-mark registration of Rosalind Mayer, 70 Fifth Ave., New York, N. Y., No. 289,631, dated December 1, 1931, and the notice of such proceeding sent by registered mail to the said Rosalind Mayer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rosalind Mayer, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,249,459, T. F. Crocker, Telephone system, decided December 17, 1943, claims 34, 36, 72, and 73.

Pat. 2,298,233, A. P. Ricard, Valve mechanism, decided December 21, 1943, claims 1, 2, and 4.

Pat. 2,310,038, J. B. Rust, Sulphamic acid compounds and process of making same, decided February 12, 1944, claim 3.

Disclaimers

2,306,411.—*Frank K. Schoenfeld,* Silver Lake, Ohio. Diene Copolymers and Method of Preparing Same. Patent dated December 29, 1942. Disclaimer filed February 2, 1944, by the assignee, *The B. F. Goodrich Company.*

Hereby enters this disclaimer to claims 1 to 5, inclusive, 7, 8, 10 to 15, inclusive, and 17 to 22, inclusive, of said patent.

2,331,694.—*Robert K. Jeffrey,* Columbus, Ohio. Hydraulic Pump or Motor. Patent dated October 12, 1943. Disclaimer filed February 5, 1944, by the assignee, *The Jeffrey Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 17, 18, and 19 of said patent.

Condition of Applications Under Examination at Close of Business February 19, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,089; Trade-Mark Division, 1,053. Oldest new case, Apr. 10, 1943; oldest amended, Apr. 14, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 21	Oct. 30	398
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 10	Aug. 12	473
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 1	June 29	944
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 13	July 30	496
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 12	July 19	829
6. GENIESSE, E. W., Carbon Chemistry (part)	June 4	June 30	1253
7. JARBOE, C. G., Optics, Photography	Oct. 14	Sept. 30	741
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 9	Oct. 6	477
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 21	July 24	699
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 22	Sept. 23	319
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	May 27	June 16	819
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Aug. 28	Sept. 9	510
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Oct. 23	Oct. 20	538
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Aug. 16	Aug. 12	743
16. SPENCER, C. J., Telegraphy; Telephony	Aug. 25	Sept. 2	550
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 5	June 18	551
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Apr. 10	Apr. 26	794
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 5	July 23	445
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 6	Sept. 13	444
21. THOMPSON, T. J., Textiles	Sept. 14	Aug. 19	381
22. CARPENTER, B. H., Aeronautics: Firearms; Ordnance	June 24	June 26	1167
23. BARROWS, B., Cash Registers; Calculators (part)	June 17	May 17	183
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Oct. 12	Sept. 21	528
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 16	Aug. 18	673
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 8	June 4	826
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 10	Apr. 14	548
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	May 29	May 31	726
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Sept. 17	Sept. 4	558
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	May 25	June 1	927
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Sept. 8	Sept. 7	1207
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 6	Aug. 5	617
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Sept. 3	Sept. 1	640
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Sept. 18	Aug. 13	527
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 11	Sept. 20	425
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 25	Oct. 15	304
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 18	July 28	660
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	June 11	June 17	494
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Sept. 21	Sept. 24	545
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 11	Oct. 5	577
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 16	July 12	395
42. MARANS, H., Electric Signaling	Oct. 14	Oct. 15	364
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 26	July 14	745
44. HARVEY, L. P., Refrigeration; Preserving	July 24	July 16	386
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Sept. 9	Sept. 15	814
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 14	Aug. 31	517
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Sept. 22	Sept. 10	717
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	July 3	June 30	856
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 26	Aug. 21	597
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Aug. 2	Aug. 5	1326
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	July 14	July 13	1338
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 24	Aug. 16	729
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 18	Aug. 7	310
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Apr. 14	May 15	653
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	July 2	July 5	639
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 31	Aug. 12	737
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	May 31	July 3	575
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Aug. 23	July 29	609
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	July 19	July 21	1284
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	June 21	June 25	668
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	July 9	June 28	424
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	May 31	Oct. 6	641
63. WINKELSTEIN, A. H., Poisons: Fermentation; Foods and Beverages; Oils and Fats	June 9	June 15	905
64. NASH, P. M., Acetylene; Gas Mixers: Compositions (part); Fuel	Sept. 29	Sept. 28	1021
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	May 29	May 29	867
Trade-Marks: RICHMOND, F. A.	†Jan. 1	†Jan. 17	1053
Designs: KALUPY, H. H.	†Jan. 14	†Jan. 13	436

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE HARGREAVES

No. 4,797. Decided December 7, 1943

[— F.(2d) —]

PATENTABILITY—GARMENT BAND.

A claim to an elastic garment band *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. George Ramsey (*Mr. John J. Darby* of counsel) for Hargreaves.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting the single claim (claim 3) in appellant's application for a patent for an alleged invention relating to improvements in elastic garment bands, such as waist bands.

The appealed claim reads:

3. A garment band comprising a flat strip of sheet rubber, a sheath for said flat strip of sheet rubber, said sheath being formed of a strip of stretchable textile fabric having edge portions folded around said flat strip of sheet rubber to substantially enclose said strip of rubber and to form hems adjacent each edge thereof and with the edges of the hems approaching each other without overlapping, a garment formed of textile material to which said band is permanently attached by stitching, the upper edge of the garment material having a hem folded inwardly adjacent the upper hem on said stretchable textile fabric and being in contact with the said hem of the sheath, a plurality of rows of stitches extending longitudinally of said sheath and passing through said flat strip of rubber and said sheath and forming longitudinally extending cushions in the stretchable textile fabric on the inner side of said sheath and between the rows of stitches while said strip of rubber remains substantially flat; said strip of rubber, said garment material and each hem on said sheath being sewn through by a plurality of said rows of stitches whereby each of said rows of stitches passes through four layers of material, and one row of stitches also passing through the hem on the garment material.

The references are: Hardie et al., 2,059,103, October 27, 1936; Scheitlin (British), 477,062, December 21, 1937.

As will be observed from the quoted claim, appellant's garment band comprises a flat strip of sheet rubber substantially enclosed in a sheath of stretchable textile fabric the edge portions of which are folded around the rubber strip to form hems adjacent each edge. The edges of the hems approach each other without overlapping. The upper edge of the garment material is folded inwardly forming a hem which is adjacent to, and in contact with, the upper hem of the elastic fabric or sheath. The band thus formed is permanently attached to a garment by a plurality of rows of stitching which extend longitudinally of the garment band and pass through four layers of material (one layer of the garment material, two layers of the elastic fabric, that is, the outer surface of the fabric and the portion folded inwardly to form the hem, and the rubber band), and a row of stitching at the upper edge of the garment which passes through an additional layer of garment material (the hem that has been folded inwardly). Longitudinally extending cushions are formed on the inner side of the sheath between the rows of stitching.

The patent to Hardie et al. (appellant being one of the patentees) relates to elastic garment bands. and discloses a band comprising a strip of rubber partly enclosed in a sheath of elastic fabric. The sheath covers one side of the rubber strip forming the inner surface of the band, and is folded around the longitudinal edges of the strip to form narrow hems. The band is attached to the garment by two rows of stitching which pass through the upper and lower hems.

The patent to Scheitlin discloses an elastic garment band comprising a flat rubber strip enclosed or enveloped within an elastic sheath. The sheath is not folded around the rubber strip, but apparently is in tubular form. The rubber and the sheath forming the band are attached to the garment by "common seams along both londigitudinal edges" in such manner that that portion of the garment to which the band is attached is ruffled or pleated when the band is in an unstretched condition. In addition to the two seams along the marginal edges, the patentee states that there may be three intermediate seams extending parallel therewith. It is also stated in the patent that the rubber strip is arched between the marginal seams, and that the sheath bears smoothly against the rubber strip. The patentee further states that

"By the arched rubber strip there is formed a cushion which gives a smooth yielding support of the band or garment on the body both with the rubber strip highly stretched and with the rubber strip feebly stretched."

In an alternative form of the invention, the patentee states that the sheath completely covers but one side of the rubber strip (the inner side of the band), and that the sheath is made of such width that it can be folded about the two longitudinal edges of the rubber strip. As thus folded, narrow hems are formed along the longitudinal edges of the band. In Fig. 3 of the patent, the patentee discloses the upper edge of the garment having a hem folded inwardly and in contact with the upper edge of the covering of the rubber strip.

The appealed claim was rejected by the tribunals of the Patent Office on the patent to Scheitlin in view of the patent to Hardie et al., the Primary Examiner being of opinion that it would not involve invention

"to make the inner ends of the casing or sheath of Scheitlin * * * of a width less than one half the width of the casing in view of Hardie et al."

In affirming the decision of the Primary Examiner rejecting the appealed claim, the Board of Appeals, among other things, said:

On comparison of the terms of the claim with the showing of the citations, it appears that the features of the claim apply fairly to Scheitlin's elastic band and garment structure with the exception that the inner ply of the covering of Scheitlin completely covers the inner face of the elastic element rather than being of less width as shown by applicant. However this feature is shown by Hardie et al. and it seems possibly even within the

terms of the claim as "without overlapping" upon Scheitlin's showing. If the edges of the fabric merely abut as seems indicated by Scheitlin, they would not overlap. However, this is regarded as merely a matter of choice in degree within the skill of those working in the art. The same is true in respect to the employment of a hem in this particular combination. Scheitlin also even shows a hem in Fig. 3 on the edge of the garment fabric as well as Hardie et al. The requirements of the claim in respect to a plurality of rows of stitches and four layers of fabric are true of the structure of Scheitlin.

It will be observed that both tribunals of the Patent Office relied upon the patent to Hardie et al. as showing a garment band in which the sheath covered the inner surface of the band and was folded over the marginal edges of the rubber strip forming narrow hems, and, accordingly, held that, in view of that patent, it would not involve invention to extend those hems so that they approached each other without overlapping. So far as that particular feature is concerned, the Hardie et al. patent discloses nothing not disclosed in the Scheitlin patent.

It is stated in the decision of the Board, as we understand it, that the sheath which completely encloses the rubber strip disclosed in one form of the Scheitlin patent is so constructed that the edges thereof merely abut and do not overlap. From all that is disclosed in the Scheitlin patent, we think that view of the Board is based upon pure conjecture. There is nothing in the patent to indicate how the Scheitlin sheath is formed, although it does appear that it is so constructed as to make a complete enclosure for the rubber strip.

In the alternative form of the invention disclosed in the Scheitlin patent the sheath covers but one side of the rubber strip (the inner side of the band), and is merely folded over the marginal edges of the rubber strip to form narrow hems. In that construction, at least one and probably two of the intermediate rows of stitching pass through but three layers of material. They do not, as in appellant's structure, pass through that portion of the sheath which is folded over the edges of the rubber strip.

The garment band defined by the appealed claim also differs from the bands disclosed in the references in that the rows of stitching in appellant's structure form

"longitudinally extending cushions in the *stretchable textile fabric* on the inner side of said sheath and between the rows of stitches while said strip of rubber remains substantially flat,"

which cushions, it is said in appellant's application, "contribute to the very soft and comfortable action of the garment band." [Italics ours.]

Furthermore, the rubber strip in the Scheitlin patent is arched, whereas in appellant's structure it remains substantially flat.

It appears from the record that both the Hardie et al. and Scheitlin bands were not satisfactory because, when stretched, the edges of the bands turned or rolled outwardly, thus producing an unsightly band and one uncomfortable to the wearer. On the other hand, according to the record, appellant's band, because of the even thickness of the material and the stitching which produce a balance of forces or stresses on each side of the rubber strip, does not turn or roll outwardly when in use and stretched but remains flat.

So far as the structure of appellant's garment band is concerned, the improvement over the disclosures in the references of record may seem to be slight. Nevertheless, we are of opinion that substantial and unobvious improved results were obtained by appellant's structure. We hold, therefore, that the structure defined by the appealed claim involves invention. Accordingly, the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

PRINCE MATCHABELLI, INC.

v.

MARTIN DE BOTELHO

No. 4,787. Decided December 7, 1943

[— F.(2d) —]

1. TRADE-MARKS—OPPOSITION—RES JUDICATA.
   Where notices of opposition were filed by opposer to three former applications of applicant, and applicant did not answer any of these notices of opposition, and judgments by default were entered in favor of opposer *Held* that each of these judgments was as binding upon applicant as would be a judgment following a contest.
2. SAME—SAME—SAME.
   "The difference between applicant's mark here involved and the marks of its former applications render the doctrine of *res judicata* inapplicable here."
3. SAME—CONFUSING SIMILARITY.
   A composite mark used by applicant on various toilet preparations and consisting of the initials A de M arranged vertically in the center and framed on each side by a nude female figure in side view, facing outwardly, the figures having upstretched hands supporting over the initials A de M a crown having a jeweled circlet heightened with a plurality of upwardly and outwardly extending prongs or fingers which are ball-tipped *Held* not confusingly similar to the representation of a crown used by opposer as a trade-mark for goods of the same descriptive properties, which crown is of domed configuration and consists of a circlet heightened with arched members meeting centrally some distance above the circlet and surmounted at the center with a globe and cross.

APPEAL from the Patent Office. Affirmed.

Mr. Marion W. Smith and *Mr. Thomas L. Mead, Jr.*, for Prince Matchabelli, Inc.

Mr. H. C. Bierman for Martin de Botelho.

GARRETT, *P. J.*:

This is an appeal by Prince Matchabelli, Inc. (hereinafter generally referred to as opposer) from the decision of the Commissioner of Patents (speaking through an Assistant Commissioner) reversing the decision of the Examiner of Interferences who sustained opposer's notice of opposition to an application of Martin de Botelho (hereinafter generally referred to as applicant) for registration of a composite mark for various toilet preparations.

It is conceded that the goods of the respective parties are of the same descriptive properties and the ultimate issue in the controversy relates to the alleged confusing similarity of the marks, particularly to the similarity of crown features of the respective marks.

Applicant's mark is well described in the decision of the Commissioner as a composite one consisting of—

* * * the initials A de M arranged vertically in the center and framed on each side by a nude female figure in side view, facing outwardly, the figures having upstretched hands supporting a crown over the initials A de M. The crown of the mark consists of a jeweled circlet heightened with a plurality of upwardly and outwardly extending prongs or fingers which are ball-tipped.

The application at issue, which is for registration under the Trade-Mark Registration Act of February 20, 1905, was filed May 28, 1940, use being alleged since March 28, 1940.

The notice of opposition was filed October 10, 1940. No registrations were therein pleaded by opposer, but ownership and prior use was asserted of a representation of a crown as a trade-mark for its goods, of which the Commissioner said:

This crown is of a different type from the crown incorporated in applicant's mark, being of domed configuration and consisting of a circlet heightened with arched members meeting centrally some distance above the circlet and surmounted at the center with a globe and cross.

In its notice of opposition opposer made certain allegations respecting the showing of certain design patents for bottles stated to have been used by it as containers for toilet materials. The patents so alluded to had expired long before the instant controversy arose and we find no reference to them in either of the decisions below, nor do the reasons of appeal accompanying the appeal to us refer to them in any way. We are of opinion, therefore, that they require no consideration by us, although they are discussed in the briefs on behalf of both parties and were discussed by counsel for both in their oral arguments of the case before us.

One allegation in the notice of opposition, which is earnestly stressed by counsel for opposer, is that of res judicata, which, as we interpret his decision, was the basis of the holding of the Examiner of Interferences sustaining the notice.

[1] It appears that in three prior opposition proceedings (Nos. 17,454, 17,835, and 17,836) the parties were the same as those here involved, and that they stood in the same relationship. That is to say, the applicant here was the applicant in each of those cases and the opposer here was the opposer there. The applicant did not file an answer or reply to the notice of opposition in any one of those cases, and judgment by default was entered in favor of opposer in each of them.

The mere failure of the applicant to contest in those cases, of course, does not affect the question of res judicata. Applicant had its opportunity to contest, and a judgment rendered after its default is as binding upon it as would be a judgment following a contest. The question presented, therefore, is whether the decisions in those cases (or any one of them) were (or was) based upon the elements necessary to make the rule of res judicata applicable here.

[2] To be more specific, it is necessary in passing upon the question of whether res judicata is here applicable to compare the marks involved in applicant's former applications with that involved in the present application. The respective tribunals below did this, grouping the three marks of the former applications (the Examiner of Interferences designating them as "(*b*)" and the present application as "(*a*)") and arrived at different conclusions as a result of their comparisons so made.

The Examiner of Interferences said:

The marks disclosed in said applications (*a*) and (*b*) are composite ones which in each instance consist of the representation of a jeweled crown conspicuously displayed above certain lettering and pictorial matter.

In all of these proceedings the opposer has relied upon the same symbol, namely, the representation of a jeweled crown, which on its specimen labels is prominently associated with various words of description and/or other matter.

The crown symbol contained in the marks of the applications (*a*) and (*b*) and the like symbol forming a part of the marks shown in opposer's labels constitute the feature of similarity upon which the opposer in each of these several proceedings has predicated its contention that confusion in trade would be likely. The crown representation contained in the mark applicant now seeks to register is at least as prominent a part of that mark as the similar representations are of the marks for which the previous applications (*b*) were filed, and this case is therefore deemed to involve substantially the same statutory cause of action as the prior proceedings mentioned.

The Commissioner said, inter alia:

None of these other trade-marks [referring to those designated by the Examiner of Interferences as "(*b*)"] of applicant included the initials "A de M" or any female figures, and the crowns of those marks were of the dome-shaped type and not of the uncovered annular band type as in applicant's present mark. Practically the only similarity between applicant's present mark and those previous marks of applicant is that each includes a representation of a crown of some sort, the crowns however being of different types and design. The crowns of applicant's prior marks are much more similar to the crown of opposer's mark than is the crown of applicant's present mark.

* * * * * * *

It seems to me the consideration should not have been restricted solely to a comparison of the relative prominence of the display of the crown representations in applicant's marks, but should have been extended at least to a comparison of the specific crown symbol of applicant's present mark with the specific crown symbols of applicant's previous marks and with opposer's specific crown symbol. It was opposer's specific crown representation that was involved in the prior opposition proceedings and the question of confusion therewith of applicant's marks by reason of the specific crown representations therein. To my mind the adjudications did not extend to applicant's use in a composite mark of any and all crown representations as prominently as the specific crown representations appeared in applicant's prior marks, particularly as it appears from the testimony that crown representations are in quite general use by the trade on cosmetic and toilet preparations.

In my opinion the crown representation included in applicant's present mark is so radically and distinctively different from the crown representations of applicant's prior marks and from opposer's mark that res judicata does not apply to the present situation.

It should be understood that in considering the applicability of the doctrine of res judicata in this case opposer relies solely upon the "crown symbol" which it used but never included as a feature of any mark registered by it. The differences between the "symbol" as used by opposer and the "symbol" included in the marks "(*b*)" which applicant sought to register are described in the decision of the Commissioner and we agree with his conclusion to the effect that the difference between applicant's mark here involved and the marks of its former applications render the doctrine of res judicata inapplicable here. A case in point cited by the Commissioner is that of *A. Leschen & Sons Rope Co.* v. *The American Steel & Wire Co.*, 19 C. C. P. A. (Patents) 851, 55 F.(2d) 455, 418 O. G. 3.

[3] This brings us directly to the ultimate issue, namely, whether the trade-mark which applicant seeks to register so nearly resembles the trade-mark used by opposer and of which opposer claims

ownership, that when applied to merchandise conceded to be of the same descriptive properties, it would be "likely to cause confusion or mistake in the mind of the public or to deceive purchasers," and here again the "crown symbol" feature, under the pleadings before us seems to be the controlling, or at least a prominent, factor.

It is our view, upon the record before us, that opposer is not entitled to claim ownership of all forms or styles of representations of crowns as a trade-mark for its goods, so that it may exclude use or registration of a form or style differing from its own in the particulars described in the decision of the Commissioner, and, in our opinion, there is no likelihood of confusion resulting from the registration applicant seeks.

The decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FITZPATRICK BROS., INC.

No. 4,812. Decided December 7, 1943

[— F.(2d) —]

TRADE-MARKS—DESCRIPTIVENESS.

The word "Antiseption" *Held* not registrable under the Trade-Mark Act of February 20, 1905, as a trade-mark for "soaps, soap flakes, soap compositions in crystalline or powdered form, and cleansing and scouring preparation in finely divided form, for household use," since the word is merely descriptive of the character or quality of such goods.

APPEAL from the Patent Office. Affirmed.

Mr. J. H. Jochum, Jr., for Fitzpatrick Bros., Inc.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents (speaking through an Assistant Commissioner) affirming the decision of the Examiner of Trade-Marks denying appellant's application for the registration of the word "Antiseption" as a trade-mark for

"soaps, soap flakes, soap compositions in crystalline or powdered form, and cleansing and scouring preparation in finely divided form, for household use."

It was the view of the respective tribunals of the Patent Office that the word "Antiseption" is merely descriptive of the character or quality of the goods with which it is associated. The Examiner of Trade-Marks in his statement following the appeal to the Commissioner said, inter alia:

The word "Antiseption" is defined in Webster's New International Dictionary, Second Edition, as a noun, medical meaning "Antisepsis", which in turn is described as—

"The process of inhibiting the growth and multiplication of microorganisms; the prevention of sepsis by antiseptic means."

The "prevention of sepsis by antiseptic means" is a common practice in the fabrication of soaps for domestic use. It would seem to require no argument to prove that the mark is descriptive of the goods.

In the course of his decision, the Commissioner said:

Certainly antiseptic soaps are included within the definition of the goods to which the application states the mark is applied and it would seem that at least doctors and others familiar with medical terms would be likely to consider the word "antiseption" to mean "antisepsis", as stated in the dictionary, and thus, when applied to soap, to mean that the soap was capable of preventing sepsis by antiseptic means. Such meaning of the word "antiseption" when applied to soap would be merely descriptive of that character and quality of the soap. It is sufficient if the word is likely to be so understood by members of the medical profession. *In re Richfield Oil Company*, 24 C. C. P. A. 996, 88 F.(2d) 499, 483 O. G. 465. Since an antiseption property might also be considered desirable in cleansing and scouring preparations for household use I consider the mark merely descriptive of these preparations also.

The issue seem to us to be a simple one concerning which no extensive discussion is necessary.

The brief on behalf of appellant cites a number of decisions which have been carefully examined with the result that we find nothing in any one of them which seems applicable here.

In summarizing its contentions in the concluding portion of the brief, it is said:

The applicant's trade-mark is "Antiseption," and it is thought the Patent Office tribunals are unwarranted in changing the mark so as to make it appear that it is the word "Antisepsis." In other words, such tribunals seem to maintain that the two words are synonymous, and that when one is used, the other is meant, in instances where it seems to be most fitting.

While the applicant's mark may be capable of being held to be suggestive, this, according to the weight of authorities, is not objectionable. Furthermore, the product, in itself, is not responsible for any particular feature characterized by the term "Antiseption," or even "Antisepsis," as suggested by the Commissioner of Patents.

We are not impressed by the arguments so summarized.

The only question presented is whether the word "Antiseption" is merely descriptive of the character or quality of the goods to which appellant applies it. In our opinion, the word is more than suggestive. We think it is descriptive.

The decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LANGSNER

No. 4,807. Decided December 7, 1943

[— F.(2d) —]

1. PATENTABILITY—ANALOGOUS ARTS.

Latch and keeper means, used in the clothesline reels of the reference patents, for maintaining the tension in the clothesline *Held* analogous to the latch and keeper means, employed by appellant in his drafting apparatus, for maintaining the tension of a spring.

2. SAME—REJECTION ARISING FROM INTERFERENCE ON COPENDING APPLICATION.

Certain claims of the application on appeal *Held* properly rejected in that application as not patentably distinct from count 5 of an existing interference involving a copending application of appellant.

3. SAME—SAME.

"If appellant should lose the interference as to count 5 the invention here involved would not be patentable to appellant, but his opponent in the interference would receive a patent therefor according to the terms of the count. In that case, the claims here involved would clearly not be allowable to appellant. If appellant should win the interference as to count 5, and if the claims before us had been made a part of the application in interference and supported by its disclosure, they would be allowable in that application."

4. APPEAL—JURISDICTION.

"Our jurisdiction is limited * * * to a review of 'the evidence produced before the Commissioner,' and our revision must be 'confined to the points set forth in the reasons of appeal.' Sec. 4914 R. S. (U. S. C., title 35, sec. 62.)"

5. SAME—SAME.

Held that in deciding the case on appeal the court might not consider a decision of the Examiner of Interferences, rendered after the appeal was taken, in which priority as to count 5 of the interference was awarded to appellant.

6. PATENTABILITY—DOUBLE PATENTING.

Held that appellant would not be entitled to the allowance in his application on appeal of the appealed claims and to the allowance in his copending application of a claim corresponding to count 5 of the interference; that "he is not entitled to two patents for the same invention."

7. SAME—REJECTION ARISING FROM INTERFERENCE ON COPENDING APPLICATION.

"If appellant should finally win the interference in which his copending application is involved, and should then cancel the claim corresponding to count 5 and be permitted to retransfer it to his instant application, a different question would arise, and nothing in this opinion should be construed as holding that the claims now before us would not then be allowable."

APPEAL from the Patent Office. Affirmed.

Messrs. Spencer, Marzall, Johnston & Cook, and *Mr. John A. Marzall* (*Mr. Benton Baker, Mr. Francis B. Leech* and *Mr. Junius F. Cook, Jr.*, of counsel) for Langsner.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 9, 10, 11, 13, 14, and 17 to 23, inclusive, of appellant's application for a patent.

The claims were rejected upon the ground that there is no patentable distinction between them and a count, No. 5, of an interference between a copending application of appellant and an application of another party. The interference had not been terminated when this appeal was taken. Said count 5 of the interference corresponded to original claim 8 of appellant's instant application. It has been allowed in the application before us, but was cancelled therefrom and thereafter transferred to said copending application.

Count 5 of the interference reads as follows:

5. In a parallel motion apparatus of the character mentioned, means comprising an arm having pulleys spaced apart thereon, flexible driving means on said pulleys, a spring connected on said flexible means and adjustably anchored on said arm under tension to urge said flexible means in one direction on said pulleys, manually operable means to adjust the anchorage of said spring, comprising a member shiftable on said arm and connected with said spring, and means to secure said shiftable member in adjusted position on said arm.

Claim 9 is illustrative of the subject matter of the rejected claims and reads as follows:

9. In a parallel motion apparatus of the character mentioned, the combination with means comprising an arm having pulleys spaced apart thereon, flexible driving means on said pulleys, and a spring connected with said flexible means and anchored on said arm to urge said flexible means in one direction on said pulleys, of means to adjust the anchorage of said spring on the arm, comprising a member shiftable on said arm and connected with said spring and means to secure said shiftable member in adjusted position on said arm *comprising manually operable detent latch means operatively connected between said arm and said shiftable member.* [Italics supplied.]

It will be observed that said count 5 is substantially the same as the above quoted claim 9, except as to the italicized portion of said claim.

The subject matter of the issue before us is concisely stated in appellant's brief as follows:

The disclosure of the instant application relates to drafting apparatus employing a protractor and a parallel motion mechanism which is adapted for attachment on a drawing board or a table to support a ruling guide or straight edge so as to be freely movable within a given drafting area, particularly on a tilted board or table. The claims involved relate to means for preventing the ruling element from sliding downwardly; that is, for maintaining the ruler in positions of adjustment against the gravitational tendency due to the tilting of the board or table.

It was held by the Examiner that the rejected claims differ from said count 5 only as to the provision of latching means and keeper means, and that such means are shown in the following references: Valentine et al., 84,919, December 15, 1868; Yeager, 782,478, February 14, 1905.

The patents to Yeager and Valentine each disclose in clothesline reels means for tightening a clothesline by use of a pulley having a crank and means for holding it in adjusted position by use of a detent and keeper.

The Examiner held that in view of these references there was no invention in the involved claims over the invention set forth in said count 5 of the interference.

In his statement on appeal the Examiner said:

These claims differ from the issue only as to the provision of latching means and keeper means of the type and for the purpose disclosed by Valentine et al. and Yeager. The purpose of the adjusting means—namely, to adjust the tension in a flexible cable, rope or wire member and maintain the desired tension by latch and keeper means is the same as in applicant's device. Claim 11 calls for a "spring pressed latch means." To provide spring means for pressing the detents of the reference devices into position is an obvious expedient. With regard to claim 20, the handle in each of the reference devices corresponds to the "lever".

The Board of Appeals in its decision stated:

Applicant's improvement as set out in these claims over this interference count appears to reside not in a new combination but in the specific structure of the manually operable adjusting means for the flexible means or the spring tension exerted thereon. This specific structure of the adjusting means is considered not to differ patentably from the winding mechanisms referred to by the Examiner in the patents to Yeager and Valentine et al. In view of the common knowledge shown by these patents as to an adjusting structure for a mechanism of this sort, it is considered that the Examiner's position is sound and that it would not amount to invention to provide the mechanism of the count referred to with an old and well known adjusting mechanism for this purpose.

Two principal questions are presented by appellant's reasons of appeal.

1. Did the Board err in holding that the involved claims are not patentably distinct from count 5 of the interference?

2. Even though no invention is involved over the invention embraced in count 5, did the Board err in holding the claims unpatentable because they differ from count 5 only in the latching means of the type shown by the references?

With respect to the first question above stated, appellant does not contend that the references do not disclose latching means similar to the latching means set forth in the claims, but he does contend that the references relate to a nonanalogous art, and that it required the exercise of the inventive faculty to employ such means in appellant's structure.

[1] [2] [3] The references disclose latch and keeper means for maintaining the desired tension of a flexible cable or rope. Appellant discloses similar means for maintaining a spring at the desired degree of tension.

It seems to us that this simple method of maintaining tension of a flexible element should not be held to create a patentable distinction between the claims before us and count 5 of the interference. While it may be true that the art of constructing clothesline reels and that of providing mechanisms to be attached to drawing boards are, broadly speaking, far apart, the fact is that the desirability of maintaining the tension of a spring or other flexible element, which is the element here considered, is common to many mechanical devices. The device of a detent and keeper in appellant's structure performs the same function as does the similar device in the references.

We are therefore of the opinion that the use of such device in appellant's combination did not require the exercise of the inventive faculty and that there is no patentable distinction between the claims before us and said count 5 of the interference.

The next question to be considered is whether the claims before us are patentable in this application over the issue of the interference, there being no patentable distinction between the claims before us and count 5 of the interference.

It is obvious that if appellant should lose the interference as to count 5 the invention here involved would not be patentable to appellant, but his opponent in the interference would receive a patent therefor according to the terms of the count. In that case, the claims here involved would clearly not be allowable to appellant. If appellant should win the interference as to count 5, and if the claims before us had been made a part of the application in interference and supported by its disclosure, they would be allowable in that application.

In such case action by the Patent Office upon the claims involved in this appeal would undoubtedly have been postponed to await the outcome of the interference, as appellant here requested, but his request was denied.

However, we find no reason of appeal alleging error in the denial of such request, and therefore such denial may not be considered by us.

We might be content with affirming the decision appealed from without further discussion, but in view of certain contentions made by appellant we will proceed to consider the situation as if appellant was the winning party in the interference.

[4] [5] In his reply brief appellant asserts that since this appeal was taken the interference, so far as count 5 is concerned, has been decided in his favor by the Examiner of Interferences, and he appends to his brief a copy of the decision.

The record in that interference is not a part of the record in the case at bar, other than the fact that such an interference was instituted and count 5 was an issue therein.

Under the statute our jurisdiction is limited in cases of this character to a review of "the evidence produced before the Commissioner," and our revision must be "confined to the points set forth in the reasons of appeal." Sec. 4914 R. S. (U. S. C., title 35, sec. 62).

Obviously we may not, in deciding this case, consider facts affecting its merits occurring after appellant's appeal was taken.

[6] Furthermore, appellant does not, in his brief, contend that the decision of the Examiner of Interferences in the interference proceeding has become final. However, if it were final, and if we were at liberty to consider it, nevertheless we would be compelled to affirm the decision of the Board of Appeals herein.

Had appellant's broad claim 8 been retained in his instant application, he undoubtedly would, if he won the interference, be entitled to the allowance of the claims before us, but he is not entitled to a patent upon claim 8 in his copending application and the allowance of claims for the same invention in his instant application. In other words, he is not entitled to two patents for the same invention.

Upon this point our decision in the case of *In re Seebach*, 24 C. C. P. A. (Patents) 1101, 88 F.(2d) 722, 484 O. G. 503, is controlling. There, as here, certain claims were involved in a divisional application which differed only from the claims in a parent application in elements which were disclosed in the cited prior art. Certain claims of the parent application were in interference. The claims of the divisional application were rejected as not being patentably distinct from claims which became counts of the interference. We affirmed this ground of rejection, and agreed with the Board of Appeals that, even if the appellant in that case won the interference, the claims in his divisional application should nevertheless be rejected.

In that decision we quoted from the decision of the Board of Appeals as follows:

> "* * * It is not regarded as being material whether applicant is finally the successful or the unsuccessful party in the interference proceedings. In either case the situation as to patentability over the issue would be regarded as the same. * * *"

Following this quotation we stated:

> We agree with the view of the Board upon this point, for in order to entitle appellant to allowance of the claims in his divisional application, it must appear that they embrace a different invention from that embraced in the claims of the parent application; or, in other words, they must be patentably distinct therefrom.

The only distinction in principle in the case last cited and the case at bar is that in the cited case division of the parent application was required, while here appellant's instant application was voluntary, but this distinction can be of no aid to appellant here.

[7] In affirming the decision appealed from, it is of course understood that it is based wholly upon the record before us. If appellant should finally win the interference in which his copending application is involved, and should then cancel the claim corresponding to count 5 and be permitted to retransfer it to his instant application, a different question would arise, and nothing in this opinion should be construed as holding that the claims now before us would not then be allowable.

For the reasons given herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Adjudicated Patents

(D. C. Pa.) Kruck design patent, No. 112,778, for an electric refrigerator cabinet, *Held* invalid and not infringed. *Crosley Corporation* v. *Westinghouse Electric & Manufacturing Co.*, 52 F. Supp. 884.

(D. C. Nebr.) Todd patent, No. 1,601,383, for improvements in a liquid testing apparatus, *Held* not infringed. *Todd* v. *Great Western Sugar Co.*, 52 F. Supp. 863.

(D. C. Nebr.) Todd patent, No. 1,668,434, for improvements in a liquid testing apparatus, *Held* not infringed. *Id.*

(D. C. Pa.) Kucher patent, No. 1,719,807, for use of an assertedly new liquid fluid which is stated to consist of a refrigerant and lubricant which are miscible, claims 9, 10, 15 to 18, inclusive, and 22 to 25, inclusive, *Held* invalid and not infringed. *Crosley Corporation* v. *Westinghouse Electric & Manufacturing Co.*, 52 F. Supp. 884.

(D. C. Pa.) Kucher patent, No. 1,719,820, for motor-compressor unit for electric refrigerator, claims 12 to 14 *Held* invalid and not infringed. *Id.*

(D. C. Pa.) Ford patent, No. 1,967,770, for use of a test stator to run in bearings of a motor-compressor unit of an electric refrigerator, claims 1 to 4 *Held* invalid and not infringed. *Id.*

(C. C. A. N. Y.) Bresnick patent, No. 2,007,108, for a medicinal preparation consisting of fish-liver oils mixed with vegetable fat, lecithin and flavoring material, *Held* invalid. *Bresnick* v. *U. S. Vitamin Corporation*, 139 F.(2d) 239, affirming 47 F. Supp. 993.

(D. C. Pa.) Terry patent, No. 2,007,730, for idea of salvaging the casing and cover of a hermetically sealed motor-compressor unit of electric refrigerators which is put together by welding, claims 1 to 4 *Held* invalid. *Crosley Corporation* v. *Westinghouse Electric & Manufacturing Co.*, 52 F. Supp. 884.

(D. C. Pa.) Terry patent, No. 2,040,507, for an electric refrigerator motor-compressor unit having double walls through which oil is pumped under pressure and from which it is sprayed over the motor and compressor through holes in the inner wall, claims 7, 8, and 10 *Held* invalid and not infringed. *Id.*

(D. C. Pa.) Ashbaugh patent, No. 2,079,238, for a method and apparatus whereby complete mechanical refrigerating systems may be safely and economically shipped uncrated in transportation vehicles, claims 2, 3, 4, 8, 9, 11, and 12 *Held* valid and infringed. *Id.*

(D. C. Pa.) Forsthoefel patent, No. 2,166,630, for a refrigerator cabinet construction mounting a heat breaker strip between inner and outer walls of cabinet, claims 7 and 8 *Held* valid and infringed. *Id.*

(D. C. Pa.) McCloy patent, No. 2,181,856, for refrigeration apparatus of compressor type in which a capillary tube is employed to conduct and control the flow of fluid refrigerant from condenser to evaporator of the system, *Held* invalid. *Id.*

(D. C. Pa.) Campbell patent, No. 2,188,303, for a method of testing large numbers of refrigerating systems on a mass production basis by use of a cold test room, claims 1, 4, and 5 *Held* valid and infringed. *Id.*

(D. C. Pa.) Yoxsimer patent, No. 2,194,176, for a glass shelf in a refrigerator above the hydrator, claims 1, 3, 4, and 6 *Held* invalid. *Id.*

(D. C. N. J.) Pritchard patent, No. 2,239,302, for mounting for gems or precious stones, *Held* invalid and not infringed. *Baker & Co.* v. *Fischer*, 52 F. Supp. 910.

(D. C. Pa.) Yoxsimer patent, No. 2,242,335, for a refrigerator cabinet construction in which the heat breaker strip is retained in position with respect to inner and outer walls of the cabinet by a groove upon one wall and a formed S-shaped strip which may be slid into a flange of the other wall, claim 3 *Held* valid and infringed. *Crosley Corporation* v. *Westinghouse Electric & Manufacturing Co.*, 52 F. Supp. 884.

(D. C. Pa.) Quimper patent, No. 2,254,780, for insulating corner strips supporting the inner shell from outer shell to reduce weight of refrigerator cabinet, claims 1, 2 and 6 *Held* invalid and not infringed. *Id.*

(D. C. Mo.) Hutchinson patent, No. 2,283,147, for blank for providing a stiff protective cover for packages of cigarettes and containing slots for reception of cover of a book match package, claim 2 *Held* invalid. *Hutchinson* v. *Universal Match Corporation*, 52 F. Supp. 866.

(D. C. Mass.) Messler reissue patent, No. 18,237, for a cushion insole and arch support, claims 2, 3, and 4 *Held* invalid. *Messler* v. *Knapp Bros.*, 52 F. Supp. 812.

(D. C. Pa.) Kucher reissue patent, No. 19,908, for detachably putting together the casing and cover of a hermetically sealed motor-compressor unit for electric refrigerator, claims 44, 45, and 47 *Held* invalid and not infringed. *Crosley Corporation* v. *Westinghouse Electric & Manufacturing Co.*, 52 F. Supp. 884.

(D. C. Pa.) Forsthoefel reissue patent, No. 21,178, for a hydrator or crisping pan in an electrical refrigerator, claims 1 and 3 *Held* invalid. *Id.*

(D. C. Pa.) Anderson reissue patent, No. 21,535, for a refrigeration combination wherein a manually operated cold control member is mounted on the front wall of the refrigerator, below and behind the cabinet door, claims 1 and 2 *Held* valid and infringed, claims 3 and 4 *Held* invalid. *Id.*

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,623,564, P. Theurich, Advertising panel or decorative wall covering, D. C., S. D. N. Y., Doc. 1/389, *Window Advertising, Inc.*, v. *Grand City Container Corp. et al.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

1,698,797, C. P. Howe, Oil well mechanism, D. C., N. D. Tex. (Fort Worth), Doc. 5, *C. P. Howe et al.* v. *Lamtex Equipment Corp.* Order of dismissal Nov. 30, 1943.

1,770,907, M. Berman, Stress measuring machine, D. C., S. D. N. Y., Doc. 19/355, *M. Berman* v. *Westinghouse Electric & Mfg. Co.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

1,797,208, D. Weisz, Combination garment and carrier bag, D. C., S. D. N. Y., Doc. 20/232, *D. Weisz* v. *Adirondack Sportswear, Inc.* Stipulation of discontinuance (notice Jan. 14, 1944).

1,945,932, W. J. Caley, Hair curler or waver, D. C. Pa., Doc. 2730, *Ryan Distributing Corp.* v. *W. J. Caley & Co., Inc.* Order setting aside verdict and entering judgment for plaintiff (notice Nov. 30, 1943).

1,971,793, W. J. O'Leary, Electrical apparatus, D. C., S. D. Ohio (Dayton), Doc. 47, *The Rotor Clock Co. et al.* v. *The Liggett Drug Co.* Doc. 48, *The Rotor Clock Co. et al.* v. *The Johnston-Shelton Co.* Doc. 49, *The Rotor Clock Co. et al.* v. *Sears, Roebuck and Co.* Dismissed (notice Jan. 4, 1944), in each of above cases.

1,977,536, E. A. Tubbs, Electrical system, D. C. Del., Doc. 144, *E. H. Loftin* v. *RCA Mfg. Co., Inc.* Defendant's motion for summary judgment granted Jan. 19, 1944.

1,987,573, C. H. Ingwer, Composite rubber article, D. C. Mass., Doc. 2096, *The I. T. S. Co.* v. *Panther Panco Rubber Co., Inc.* Stipulation of dismissal Dec. 23, 1943.

2,003,196. H. A. Jackson, Welding electrode holder, D. C., E. D. Mich., S. Div., Doc. 3896, *The Thermex Equipment Co.* v. *J. A. Jackson.* Stipulation and order of dismissal Jan. 26, 1944.

2,032,239, A. W. Wedlock, Manufacture of an improved vitreous material, D. C. N. J. (Trenton), Doc. 2637, *Mycalex Corp. of America et al.* v. *Electronic Mechanics, Inc., et al.* Consent order dismissing complaint with prejudice Dec. 20, 1943.

2,036,757, J. W. Hume, Adjustable balancer for vehicle wheels, filed Dec. 28, 1943, D. C., N. D. Ill., E. Div., Doc. 43c1312, *H. C. Loney Co.* v. *Grimm-Hansen-Treland, Inc.*

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2,161,198, L. Reiner, Insulin preparation, filed Dec. 30, 1943, D. C., S. D. N. Y., Doc. 23/575, *Burroughs Wellcome & Co., Inc.,* v. *Eli Lilly & Co., Inc.*

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2,236,387, Wallace & Hand, Perspiration inhibiting composition, D. C., E. D. Ill. (Danville), Doc. 353–D, *J. H. Wallace, Jr.* v. *Skelton's Drug Store.* Consent decree Jan. 24, 1944.

2,264,234, A. R. Bell, Sewing or looping machine, filed Jan. 19, 1944, D. C., E. D. Pa., Doc. 3565, *A. R. Bell et al.* v. *Chesterman-Leeland Co.*

2,283,797, R. S. Dech, Phonograph disk, D. C. N. J., Doc. 2720, *Audio Mfg. Corp.* v. *Presto Recording Corp.* Stipulation and order of discontinuance Jan. 17, 1944.

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Re. 17,733, J. C. Nelson, Combination tie and spreader for concrete molds, D. C., N. D. Ill., E. Div., Doc. 4528, *Nelson Spreader-Tie Co.* v. *Heckman Building Products Co.* Consent decree granting injunction Dec. 29, 1943.

Re. 22,241, T. E. Lefort, Process for the production of ethylene oxide, C. C. A., 4th Cir., Doc. 5149, *Carbide & Carbon Chemicals Corp.* v. *U. S. Industrial Chemicals, Inc.* Decree affirming order of district court Jan. 10, 1944.

Des. 116,640, M. Solash, Hat, D. C., S. D. N. Y., Doc. 15/361, *M. Solash* v. *Lola Hat, Inc.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

Des. 119,453, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 8/127, *Flora Dress Co.* v. *Littmann's-34th Street Corp.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

Des. 124,006, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 8/127, *Flora Dress Co.* v. *Littmann's-34th Street Corp.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1944).

Des. 125,512, F. T. Stix, Dress, D. C., S. D. N. Y., Doc. 13/419, *Herbert Sondheim, Inc.,* v. *Rapson Frocks, Inc.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1944).

Des. 126,144, L. Katz, Dress, D. C., S. D. N. Y., Doc. 13/349, *Nite Club Frocks, Inc.,* v. *Young Modes, Inc.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

Des. 128,716, D. Mayehoff, Dress, D. C., S. D. N. Y., Doc. 15/473, *William Bass Dress Corp.* v. *Rembrandt Frocks, Inc.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

Des. 128,859, H. Raiffe, Fur collar, D. C., S. D. N. Y., Doc. 15/305, *Jack Weiner Corp.* v. *Doniger, Goldberger & Co., Inc., et al.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

Des. 131,796, A. Alper, Suit, D. C., S. D. N. Y., Doc. 18/133, *A. Alper* v. *Suzanne Frocks, Inc.* Order dismissing cause for lack of prosecution (notice Dec. 20, 1943).

Des. 133,210, P. Krasnow, Finger ring, filed Jan. 8, 1944, D. C., S. D. N. Y., Doc. 24/28, *P. Krasnow* v. *Sachs & Perry, Inc.*

Des. 134,240, A. Garay, Braiding, D. C., S. D. N. Y., Doc. 20/84, *M. Singer* v. *Garay & Co., Inc.* Stipulation and order of discontinuance (notice Jan. 12, 1944).

Des. 135,013, M. Berger, Dress, D. C., S. D. N. Y., Doc. 21/7, *Swathmore Juniors, Inc.,* v. *Miss Greeley Junior Frocks, Inc.* Stipulation of discontinuance (notice Jan. 10, 1944).

Des. 136,691, S. Dumler, Coat, D. C., S. D. N. Y., Doc. 23/421, *Matlin Cloak & Suit Co., Inc.,* v. *Gaynes, Inc., et al.* Stipulation discontinuing action against Gaynes, Inc., and Stern Bros., Inc., Jan. 27, 1944, and against B. Altman & Co., Jan. 22, 1944.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 7, 1944

[VOL. 560. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 457,718. CARTER COAL COMPANY, New York, N. Y. Filed Jan. 2, 1943.



The words "Carter Coal Company Producers Of" and "America's Largest-Selling Pocahontas" and the representation of the label are disclaimed apart from the mark.

FOR COAL.

Claims use since Aug. 5, 1942.

Ser. No. 459,297. CARTER COAL COMPANY, New York, N. Y. Filed Mar. 24, 1943.

CARTER COAL COMPANY

PRODUCERS OF OLGA AMERICA'S LARGEST-SELLING POCAHONTAS

The words "Carter Coal Company Producers Of" and "America's Largest-Selling Pocahontas" are disclaimed apart from the mark.

FOR COAL.

Claims use since Mar. 16, 1943.

Ser. No. 462,973. S. ROSENFELDER & SON, INC., New York, N. Y. Filed Aug. 24, 1943.



The drawing is lined for blue. No claim is made to the word "Fibers" apart from the mark.

FOR LOOSE ANIMAL AND ARTIFICIAL FIBERS USED FOR MAKING TEXTILES AND FABRICS.

Claims use since 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 464,353. PACKERS TAR SOAP, INC., Mystic, Conn., and New York, N. Y. Filed Oct. 22, 1943. Under 10-year proviso as to "Packer's Tar Soap."



Applicant is the owner of trade-mark registrations 49,389, 50,334, 51,086, and 162,571. The words "Mystic, Conn." and "Trade Mark" are disclaimed apart from the mark.

FOR SOAP.

Claims use since Nov. 20, 1942; and since Oct. 1, 1877, for "Packer's Tar Soap."

Ser. No. 464,666. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Nov. 3, 1943.

NOPCOLENE

FOR WATER-DISPERSIBLE OIL FOR USE IN LEATHER SPONGING COMPOSITIONS WHICH FUNCTION TO INTRODUCE FAT INTO THE GRAIN OF SOLE AND LIKE LEATHERS.

Claims use since November 1921.

Ser. No. 465,704. BRYANT PRODUCTS, INC., Brooklyn, N. Y. Filed Dec. 11, 1943.

B.P.I.
STEEL WOOL PASTE

The words "Steel Wool Paste" are disclaimed apart from the mark.
FOR STEEL WOOL PASTE FOR CLEANING AND POLISHING ALUMINUM, STAINLESS STEEL, TIN, BRASS, ENAMEL, AND LIKE MATERIALS.
Claims use since Oct. 27, 1943.

Ser. No. 465,767. UNITED GILSONITE LABORATORIES, Scranton, Pa. Filed Dec. 14, 1943.

GLU

FOR PREPARATION FOR CLEANING FLOORS AND WALLS.
Claims use since June 1, 1932.

Ser. No. 466,323. CHERAMY, INC., New York, N. Y. Filed Jan. 5, 1944.

frolic

FOR TOILET SOAPS.
Claims use since Nov. 10, 1921.

CLASS 5

ADHESIVES

Ser. No. 463,634. SANFORD INK COMPANY, Chicago, Ill. Filed Sept. 24, 1943. Under 10-year proviso.

SANFORD'S

FOR PASTE, MUCILAGE, GLUE, AND ADHESIVE CEMENT.
Claims use since 1865.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 460,677. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed May 17, 1943.

SULFOLE
MERCAPTANS

No claim is made to the word "Mercaptans."
FOR HIGH MOLECULAR WEIGHT AND HIGH BOILING C_7 TO C_{14} MERCAPTAN MIXTURE USED AS AN ACCELERATOR AND MODIFIER IN THE MANUFACTURE OF SYNTHETIC RUBBER.
Claims use since Apr. 22, 1943.

Ser. No. 460,798. GEORG GLASGALL, New York, N. Y. Filed May 21, 1943.

RHICURMIN

FOR MEDICINE—NAMELY, A CHOLAGOGUE AND MILD LAXATIVE USEFUL IN THE TREATMENT OF SUCH CONDITIONS AS CHOLECYSTITIS, CHOLANGITIS, CHOLELITHIASIS, CATARRHAL ICTERUS, DYSPEPTIC FORMS OF CHRONIC CHOLECYSTITIS, TEMPORARY CONSTIPATION, AND THE LIKE.
Claims use since July 1942.

Ser. No. 463,266. DOUGLAS CHEMICAL & SUPPLY COMPANY, Kansas City, Mo. Filed Sept. 6, 1943.

Rat-X
TRADE MARK
KILLS RATS and MICE

The words "Rat," "Trade-Mark," and "Kills Rats and Mice" and the representation of a rat are disclaimed apart from the mark. The drawing is lined for red.
FOR RODENT POISON.
Claims use since Sept. 1, 1940.

Ser. No. 463,873. MARBERT MFG. CO., Chicago, Ill. Filed Oct. 4, 1943.

MARBERT'S

The name "Marbert's" constitutes a coined name, made up from the given names "Marion" and "Bertrice," the former a member of applicant firm.
FOR HAIR POMADES, HAIR OIL SHAMPOOS, PREPARATIONS FOR STRAIGHTENING, CURLING, AND SLEEKING THE HAIR, AND HAIR CURL-UPS, THE LATTER BEING A HAIR DRESSING PREPARATION FOR APPLICATION TO FACILITATE MARCELLING OR CURLING THE HAIR.
Claims use since Jan. 16, 1940.

Ser. No. 464,363. WILLIAM R. WARNER & CO. INC., Wilmington, Del., and New York, N. Y. Filed Oct. 22, 1943.

SUPPLEVITA

FOR VITAMIN COMPOSITION.
Claims use since Oct. 12, 1943.

Ser. No. 464,427. ELDRIDGE BARNES, trading as Eldridge Barnes Chemical Co., Radford, Va. Filed Oct. 27, 1943.

SENRAB'S
RAT-X-IT

The word "Rat" is disclaimed apart from the mark.
FOR RAT AND MOUSE EXTERMINATOR.
Claims use since Feb. 22, 1943.

Ser. No. 464,691. W. D. CRUMPTON & CO., Englewood, N. J. Filed Nov. 4, 1943.

CRUMCOID

FOR FLUXES FOR SOLDERING AND WELDING METALS.
Claims use since Oct. 25, 1943.

Ser. No. 465,804. D. W. HAERING & CO. INC., Chicago, Ill. Filed Dec. 16, 1943.

QUACHROM
GLUCOSATE

FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL.
Claims use since June 29, 1939.

Ser. No. 465,834. SUPERL SUPPLY CO., INC., doing business as Easterday Supply Co., Los Angeles, Calif. Filed Dec. 16, 1943.

ESCOL

FOR SOLUBLE PINE OIL DISINFECTANT.
Claims use since July 1, 1940.

Ser. No. 465,872. THE MALTINE COMPANY, New York, N. Y. Filed Dec. 18, 1943.

NARDIL

FOR MEDICINAL MALT EXTRACT.
Claims use since Nov. 19, 1943.

Ser. No. 465,898. EVRON COMPANY, Chicago, Ill. Filed Dec. 20, 1943.

DASIL

FOR VITAMIN CAPSULES AND TABLETS.
Claims use since Oct. 23, 1943.

Ser. No. 465,986. J. M. HUBER, INC., New York, N. Y. Filed Dec. 22, 1943.

ACTIVEX

FOR CHEMICAL COMPOUND FOR USE IN NATURAL OR SYNTHETIC RUBBER TO ACTIVATE VULCANIZATION ACCELERATORS.
Claims use since Dec. 8, 1943.

Ser. No. 466,105. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Dec. 27, 1943.

CHEK-R-FECT

FOR DISINFECTANT.
Claims use since Dec. 13, 1943.

Ser. No. 466,109. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Dec. 27, 1943. Under section 5b of the act of 1905 as amended in 1920.

Fleischmann's

FOR VITAMINIC COMPOSITION IN TABLET FORM.
Claims use since Dec. 21, 1942.

Ser. No. 466,122. PINAUD, INCORPORATED, New York, N. Y. Filed Dec. 28, 1943.

CAPTIVE

FOR EAU DE COLOGNE.
Claims use since Dec. 7, 1943.

Ser. No. 466,123. PINAUD, INCORPORATED, New York, N. Y. Filed Dec. 28, 1943.

FELINE

FOR EAU DE COLOGNE.
Claims use since Dec. 7, 1943.

Ser. No. 466,125. PINAUD, INCORPORATED, New York, N. Y. Filed Dec. 28, 1943.

OBSESSION

FOR EAU DE COLOGNE.
Claims use since Dec. 7, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 463,544. MODULOK, INC., Baltimore, Md. Filed Sept. 21, 1943.

MODULOK

FOR PREFABRICATED BUILDING MATERIALS—NAMELY, FRAMING PANELS OF WOOD, PLASTIC, AND METAL.
Claims use since April 1942.

Ser. No. 463,545. MODULOK, INC., Baltimore, Md. Filed Sept. 21, 1943.

MODULOK

FOR PREFABRICATED BUILDING MATERIALS—NAMELY, FRAMING PANELS OF WOOD, PLASTIC, AND METAL.
Claims use since April 1942.

Ser. No. 463,546. MODULOK, INC., Baltimore, Md. Filed Sept. 21, 1943.

The trade-mark is not a cross-sectional diagram of the goods. No claim is made to the representation of a joint per se.
FOR PREFABRICATED BUILDING MATERIALS—NAMELY, FRAMING PANELS OF WOOD, PLASTIC, AND METAL.
Claims use since April 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 457,288. SOUTHERN LEAD CO., Dallas Tex. Filed Dec. 8, 1942.

DIERITE

FOR ZINC BASE ALUMINUM, COPPER AND MAGNESIUM METAL ALLOY PIGS.
Claims use since Nov. 1, 1942.

Ser. No. 464,483. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Oct. 28, 1943.

INCO
N. H. PIG

The word "Pig" is disclaimed apart from the mark.
FOR ALLOY CASTINGS IN THE FORM OF PIG.
Claims use since Mar. 4, 1935.

Ser. No. 466,208. ZIV STEEL & WIRE CO., Chicago, Ill. Filed Dec. 30, 1943.

RED SHADOW

FOR TOOL STEEL AND TOOL STEEL ALLOYS.
Claims use since Jan. 2, 1933.

CLASS 15

OILS AND GREASES

Ser. No. 466,185. THE VARNITON COMPANY, Los Angeles, Calif. Filed Dec. 29, 1943.

VARNITON

FOR LUBRICATING GREASES FOR LABORATORY STOPCOCKS AND CLOSURES.
Claims use since January 1942.

Ser. No. 466,516. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 12, 1944.

SOVAREX

FOR LUBRICATING GREASES AND OILS.
Claims use since Nov. 10, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 463,213. SAPOLIN CO. INC., New York, N. Y. Filed Sept. 3, 1943.

FUNCTIONAL PAINTING

Applicant disclaims the word "Painting" apart from the mark.
FOR READY-MIXED PAINTS AND PAINT ENAMEL.
Claims use since Mar. 1, 1943.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 465,251. DESMOND'S, Los Angeles, Calif. Filed Nov. 24, 1943.

Desmond's 1862 Mixture

No claim is made to the words "Desmond's Mixture" apart from the mark.
FOR SMOKING TOBACCO.
Claims use since Oct. 18, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 452,024. NEMCO ELECTRIC COMPANY, Seattle, Wash. Filed Mar. 30, 1942.

NEMCO

FOR JUNCTION BOXES, CABINETS FOR ELECTRICAL EQUIPMENT, POWER, CONTROL, AND LIGHTING PANELS AND SWITCHES, AND ELECTRIC AND LIGHTING FITTINGS AND FIXTURES, ALL FOR USE IN BUILDING AND MARINE INSTALLATIONS, AND ELECTRIC HOISTS.
Claims use since May 1, 1919.

Ser. No. 464,865. AIRDAR CORPORATION, Wilmington, Del. Filed Nov. 10, 1943.

AIRDAR

FOR ELECTRICAL CONTROL INSTRUMENTS FOR CONTROL OF OPERATION, FLIGHT AND MOVEMENT OF AIRCRAFT, WATERCRAFT, LAND VEHICLES, AND AVIATION GROUND EQUIPMENT—NAMELY, RADIO AND SIGNALING INSTRUMENTS.
Claims use since Aug. 18, 1943.

Ser. No. 464,932. JOSEPH ZWEIGENTHAL, doing business as The Home Recording Company, New York, N. Y. Filed Nov. 11, 1943.

Melodisc

FOR RECORDING DISCS FOR ELECTRICAL RECORDING.
Claims use since Oct. 15, 1943.

Ser. No. 465,452. ELECTRICAL DEVELOPMENT COMPANY, Los Angeles, Calif. Filed Dec. 2, 1943.

FOR ELECTRICAL MOTORS, GENERATORS, TRANSFORMERS, SOLENOIDS, MAGNETIC CLUTCHES, AND PARTS THEREOF.
Claims use since Aug. 25, 1943.

Ser. No. 465,992. STAR ELECTRIC MOTOR COMPANY, Bloomfield, N. J. Filed Dec. 22, 1943.

STAR

FOR ELECTRIC MOTORS.
Claims use since Nov. 30, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 466,390. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.

NAVAJO
ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.
FOR DOLLS.
Claims use since May 1, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 457,812. MIXING EQUIPMENT CO., INC., Rochester, N. Y. Filed Jan. 8, 1943.

LIGHTNIN

FOR MIXING EQUIPMENT INCLUDING IMPELLERS OPERATED BY STEAM AND AIR PRESSURE MOTORS AND ARRANGED FOR ATTACHMENT TO TANKS AND CONTAINERS FOR AGITATING, MIXING AND BLENDING FLUID MATERIALS OBTAINED THEREIN.

Claims use since September 1939.

Ser. No. 461,681. COSMET CORPORATION, Minneapolis, Minn. Filed June 26, 1943.

COSMALOK

FOR MACHINES FOR SECURING OR SWEDGING SCREWS ON SPECTACLE FRAMES AND MOUNTINGS AND FOR BURRS AND CHUCKS FOR USE ON SUCH MACHINES AND CONSTITUTING PARTS THEREOF.

Claims use since Apr. 15, 1943.

Ser. No. 462,217. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed July 21, 1943.

WESTLINE

FOR LAWN MOWERS.

Claims use since Apr. 7, 1941.

Ser. No. 462,693. THE TOLEDO STEEL PRODUCTS COMPANY, Toledo, Ohio. Filed Aug. 12, 1943.



FOR POPPET VALVES, MACHINERY BUSHINGS, WATER PUMP PARTS, PUMP SHAFTS, PUMP IMPELLERS, INTERNAL COMBUSTION ENGINE PISTONS, INTERNAL COMBUSTION ENGINE PISTON PINS, INTERNAL COMBUSTION ENGINE BEARINGS, VEHICLE WHEEL ALIGNERS, AND INTERNAL COMBUSTION ENGINE CONNECTING RODS.

Claims use on poppet valves, machinery bushings, water pump parts, pump shafts, pump impellers, since June 1932; on internal combustion engine pistons since May 1936; on internal combustion engine piston pins since May 1936; on internal combustion engine bearings since April 1939; on internal combustion engine connecting rods since January 1941; and on wheel aligners since January 1941.

Ser. No. 464,124. WENTZ EQUIPMENT COMPANY, Topeka, Kans. Filed Oct. 13, 1943.

HI-LO

FOR HYDRAULICALLY OPERATED WHEELED HAULING TRAILER SCRAPER.

Claims use since Aug. 24, 1939.

Ser. No. 464,837. WILLAMETTE HYSTER COMPANY, Portland, Oreg. Filed Nov. 8, 1943.

HYSTER

FOR WINCHES, HOISTS, CRANES, CRANE AND TRUCK UNITS, TOWING ARCHES (I. E., MACHINES IN THE NATURE OF TRACTOR TRAILERS WHICH DRAG LOGS AND OTHER OBJECTS WITH THE AID OF ROPES OR CABLES), LUMBER CARRIERS (I. E., MACHINES WHICH ARE USED TO LIFT, TRANSPORT, AND DEPOSIT PILED LUMBER), LIFT TRUCKS (I. E., SELF-PROPELLED MACHINES EQUIPPED WITH LIFTING MECHANISMS WHICH ARE USED TO PICK UP, TRANSPORT, AND DEPOSIT OBJECTS OR PILES OF OBJECTS ENGAGED BY SUCH LIFTING MECHANISMS), LOADING ATTACHMENTS FOR TRUCKS, LOGGING AND LAND CLEARING TACKLE OR RIGGING, SKIDDING PANS (I. E., PANS, ADAPTED TO BE TRACTOR DRAWN, THAT ARE USED IN LOGGING AND KINDRED OPERATIONS) AND HITCHES THEREFOR, PULLEY BLOCKS, ROOT HOOKS, CHOKER HOOKS, AND VARIOUS AND SUNDRY REPLACEMENT PARTS FOR THE FOREGOING.

Claims use since February 1929.

Ser. No. 464,838. WILLAMETTE HYSTER COMPANY, Portland, Oreg. Filed Nov. 8, 1943.



No claim is made to the words "For Any Lift or Pull" apart from the mark.

FOR WINCHES, HOISTS, CRANES, CRANE AND TRUCK UNITS (I. E., MACHINES THAT COMPRISE A CRANE MOUNTED ON A TRUCK BODY, THE CRANE AND TRUCK BEING OPERATED BY A COMMON POWER PLANT), TOWING ARCHES (I. E., MACHINES IN THE NATURE OF TRACTOR TRAILERS WHICH DRAG LOGS AND OTHER OBJECTS WITH THE AID OF ROPES OR CABLES), LUMBER CARRIERS (I. E., MACHINES WHICH ARE USED TO LIFT, TRANSPORT, AND DEPOSIT PILED LUMBER), LIFT TRUCKS (I. E., SELF-PROPELLED MACHINES EQUIPPED WITH LIFTING MECHANISMS WHICH ARE USED TO PICK UP, TRANSPORT, AND DEPOSIT OBJECTS OR PILES OF OBJECTS ENGAGED BY SUCH LIFTING MECHANISMS), LOADING ATTACHMENTS FOR TRUCKS, LOGGING AND LAND CLEARING TACKLE OR RIGGING, SKIDDING PANS (I. E., PANS, ADAPTED TO BE TRACTOR DRAWN, THAT ARE USED IN LOGGING AND KINDRED OPERATIONS) AND HITCHES THEREFOR, PULLEY BLOCKS, ROOT HOOKS, CHOKER HOOKS, AND VARIOUS AND SUNDRY REPLACEMENT PARTS FOR THE FOREGOING.

Claims use since July 1, 1929.

Ser. No. 464,839. WILLAMETTE HYSTER COMPANY, Portland, Oreg. Filed Nov. 8, 1943.



No claim is made to the words "For High Lifts" apart from the mark.

FOR LUMBER CARRIERS (I. E., MACHINES WHICH ARE USED TO LIFT, TRANSPORT, AND DEPOSIT PILED LUMBER), AND LIFT TRUCKS (I. E., SELF-PROPELLED MACHINES EQUIPPED WITH LIFTING MECHANISMS WHICH ARE USED TO PICK UP, TRANSPORT, AND DEPOSIT OBJECTS AND PILES OF OBJECTS ENGAGED BY SUCH LIFTING MECHANISMS).

Claims use since July 1, 1937.

Ser. No. 465,348. PROPORTIONEERS, INC., Providence, R. I. Filed Nov. 27, 1943.

CHEM-O-FEEDER

The term "Feeder" is disclaimed apart from the association shown.

FOR PUMPS FOR PROPORTIONALLY FEEDING REAGENTS.

Claims use since Feb. 10, 1941.

Ser. No. 465,892. CHENEY WEEDER COMPANY, Cheney, Wash. Filed Dec. 20, 1943.

SOILIVATOR

FOR TILLAGE IMPLEMENTS OF THE STRAIGHT BLADE TYPE.

Claims use since Sept. 14, 1939.

Ser. No. 465,989. W. F. MEYERS COMPANY, Bedford, Ind. Filed Dec. 22, 1943.

RADIFORM

FOR WHEEL AND TOOL FORMERS.

Claims use since Dec. 3, 1943.

Ser. No. 466,082. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio. Filed Dec. 27, 1943.

Auto-Mätron

FOR VENDING MACHINES.

Claims use since Jan. 1, 1928.

Ser. No. 466,091. KENSINGTON STEEL COMPANY, Chicago, Ill. Filed Dec. 27, 1943.

OROMANG

FOR GEARS, PINIONS, MIXER ARMS, MIXER ARM TIPS, LINER PLATES, AND PRESSURE PLATES FOR ASPHALT MIXERS; CATERPILLAR PARTS, SLATS, TREADS, ROLLERS, AND FAIRLEAD FOR BACKFILLER PARTS; BODY LINERS, DISCHARGE GRATES, END LINERS, MAN-HOLE LINERS, GEARS, LIFTER BARS, PARTITION GRATES, PINIONS, ROLLERS, SCOOP FEEDER LIPS, AND SHAFT PROTECTOR PLATES FOR BALL MILLS, ROD MILLS, TUBE MILLS AND KOMINUTERS; BRACES, BUSHINGS, PINS, HINGE CASTINGS, AND SCRAPER BLADES FOR BALLAST SPREADERS; BELL ROD-PROTECTORS, CHARGING-BUGGY WHEELS AND LUGS FOR PIG-BREAKERS FOR BLAST FURNACES; AUGERS, CAMS, CAM GUIDES, CLAY ROLLS, KNIVES, GEARS, AND PINIONS FOR BRICK MACHINES; BUSHINGS, PINS, LEAVES, TIPS FOR LEAVES, LIPS, TEETH, SHANKS, SHEAVES, SIDE ARMS, AND TRAYS FOR CLAM-SHELL AND ORANGE-PEEL BUCKETS; GEARS, PINIONS, ROLL TEETH, TOOTHED ROLLS IN ONE-PIECE, AND TOOTHED ROLL SEGMENTS FOR COAL BREAKING MACHINES; BUSHINGS, CARBON SCRAPER TIPS, GRIZZLY BARS, GRIZZLY DISCS, RACKS, SCOOPS, SHOVEL BODIES, SHOVEL WINGS, SPROCKETS, SCREEN PLATES, WEARING PLATES, AND WHEELS FOR COKE MACHINES; GROUSERS, GEARS, MIXER ARMS, PADDLES, ROLLERS, TIRES, AND WEARING PLATES FOR CONCRETE MIXERS AND PAVING MACHINES; ELEVATOR BUCKETS, ELEVATOR BUCKET LIPS, FLIGHTS, GUDGEONS, GUDGEON BEARINGS, BEARING CAPS, HANGER CASINGS, HANGERS, IDLERS, AND WEARING PLATES FOR CONVEYORS; TREAD LINKS, GROUSERS, PINS, BUSHINGS, ONE-PIECE AND RENEWABLE TOOTH SPROCKETS, ROLLERS, TEETH, LIPS, AND SHEAVES FOR SHOVELS, CRANES AND EXCAVATORS; ONE-PIECE AND SEGMENTAL ROLL SHELLS, ROLL SIDE LINERS, ROLL STAVES, SLUGGER PLATES, AND SLUGGER TEETH FOR CRUSHING ROLLS; ONE-PIECE TEETH, TWO-PIECE TEETH WITH REVERSIBLE POINTS, TRUNNIONS, CLEVISES, WEARING PLATES, LIPS, AND BUSHINGS FOR DRAGLINE BUCKETS; BUCKETS, LIPS, BUSHINGS, BUCKET

PINS, LADDER ROLLERS, DUMP CHUTES, TUMBLERS, TUMBLER WEARING PLATES, SHEAVES, GEARS, PINIONS, SPUD POINTS, SPUD RACKS, SPUD PINIONS, BUCKET LINKS, RIFFLE BARS, SCREEN TIRES, SCREEN ROLLERS, SCREEN PLATES, AND SCREEN BARS FOR PLACER GOLD DREDGES; BUCKETS, TEETH, PLOWS, SIDE CUTTERS, BUSHINGS, ROLLERS, GEARS, PINIONS, TREADS, SLATS, BUCKET CLEANER ARMS, BRACKETS, AND ROLLERS FOR EXCAVATORS; YOKES, PUSHERS, AND PUSHER PINS FOR FULLER MILLS; BEVEL, MITRE, SPUR, AND SPLIT GEARS; FLIGHTS AND LINERS FOR GRIFFIN MILLS; CONCAVES, WEARING PLATES, DIAPHRAGM LINERS, HOPPER SEGMENTS, SPIDER ARM SHIELDS, DUST RINGS, HEADS, MANTLES, DUST CAPS, AND FLOOR PLATES FOR GYRATORY CRUSHERS; WINDING DRUMS AND SHEAVES FOR HOISTING ENGINES; MOVABLE AND FIXED JAW PLATES, CHEEK PLATES, TOGGLES, TOGGLE BEARINGS, ROLLERS, AND LINERS FOR JAW CRUSHERS; BUCKETS, LIPS, CATERPILLAR OR CRAWLER PARTS, DISCS, PADDLE BLADES, AND PADDLES FOR LEADERS; SHEAVES, FRAMES, PINS, BUSHINGS FOR LOGGING BLOCKS; GEARS, PINIONS, SHEAVES, LINERS, AND WEARING PLATES FOR LUMBER, PULP AND PAPER MILLS; RIFFLE BARS, GRIZZLY BARS, GRIZZLY BAR TOPS, GRIZZLY BAR SPACERS, GRIZZLY BAR CLEATS, SLUICE LINERS, CHUTE LINERS, PIPE, ELBOWS, DEFLECTOR CASTINGS FOR HYDRAULIC MINES; SHEAVES, GEARS, AND PINIONS FOR OIL WELL DRILLING RIGS; GRIZZLY BARS, CURVED OR FLAT CHUTE LINERS, GRIZZLY BAR SPACERS, DUMP PLATES, ROLLERS, GEARS, PINIONS, CAMS, RAKES, LAUNDER LINERS, AND ORE FEEDER CHAIN FOR ORE BINS, CHUTES AND CLASSIFIERS; LIPS, TEETH, BUSHINGS, PINS, GEARS, PINIONS FOR ORE LOADERS AND MUCKERS; MULLER TIRES, MULLER PLATES, PLOWS, SCRAPERS, PAN RIM LINERS, GEARS, PINIONS, SHAFT SUPPORTS, TOES, AND SCREEN PLATES FOR DRY AND WET PANS; BEVEL, MITRE, SPUR, SPLIT, AND MILL PINIONS; KNIVES, KNIFE TIPS AND SHANKS, GEARS, AND PINIONS FOR PUG MILLS; HAMMERS, HAMMER TIPS, HAMMER SHANKS, RINGS, GRATE BARS, GRATES, BREAKER PLATES, BEATERS, PLOWS, LINERS, AND CAGE BARS FOR PULVERIZERS; BEATER BLADES, ROLLERS, PLOWS, LINERS, GEARS, PINIONS FOR PULVERIZING MILLS; YOKES, PICKS, GEARS, AND PINIONS FOR ROAD ROLLERS; IDLER, TRUCK, BOOM, CATERPILLAR, PULVERIZING MILL, CONVEYOR, AND TRUNNION ROLLERS; CONES, HOPPERS, SHELLS, DIES, MORTARS, PESTLES, BUCKING BOARDS FOR SAMPLE GRINDERS; BUCKETS, SHEAVES, TUMBLERS, LINERS, WEARING PLATES, CURVED AND FLAT SCREEN PLATES, GEARS, PINIONS, AND SCREEN ROLLERS FOR SAND DREDGES; PIPES AND ELBOWS, PUMP SHELLS, IMPELLERS, SHELL LINERS, SIDE LINERS, FLAP VALVES, PIPE FLANGES FOR SAND AND GRAVEL PUMPS; PERFORATED AND BLANK SCREEN PLATES, TRUNNION TIRES, TRUNNION ROLLERS, GEARS, PINIONS, HEAD CASTINGS, TAIL CASTINGS, RETARDING RINGS, INDUCTION CHUTES, AND DISCHARGE CHUTES FOR REVOLVING SCREENS; OIL WELL, LOGGING BLOCK, FAIRLEAD, DREDGE, STEAM SHOVEL, DRAG LINE, AND MISCELLANEOUS SHEAVES; CAMS, MORTAR LINERS, CHUTE LINERS, LAUNDER LINERS, GRATE FRAMES, AND GRATE FRAME STRIPS FOR STAMP MILLS; DIPPERS, DIPPER FRONTS, DIPPER LIPS, DIPPER TEETH, DIPPER BAILS, DIPPER DOOR HINGES, DIPPER DOORS, DIPPER LATCHES, DIPPER LATCH KEEPERS, DIPPER LATCH GUIDES, SHIPPER SHAFT PINIONS, SADDLE PLATES, CHAIN SHEAVES, CABLE SHEAVES, CRAWLER TRUCK ROLLERS, RAIL CLAMPS, WINDING DRUMS, TRUNNION ROLLERS, HOISTING GEARS, AND HOISTING PINIONS FOR STEAM SHOVEL AND DIPPER DREDGES; DRAW BENCH HOOKS, DRAW BENCH SPROCKETS, PIPE BALLS, COUPLING BOXES, SPINDLES, CRABS, TABLE GEARS, CONVEYOR GEARS, PINIONS, CHUTE LINERS, ROLL GUIDES, AND CRANE WHEELS FOR STEEL ROLLING MILLS AND TUBE PLANTS; CUTTER HEADS, CUTTER HEAD TEETH, CUTTER BLADES, PIPE, ELBOWS, SHOES, SHEAVES, GEARS, PINIONS, PUMP SHELLS, IMPELLERS, SHELL LINERS, SIDE LINERS, PIPE FLANGES FOR SUCTION DREDGES; DIPPER, BUCKET, SCRAPER, SPROCKET, SCARIFIER, TWO-PART, AND SOLID TEETH; BUCKETS, TEETH, PLOWS, CUTTERS, ROOTERS, ROLLERS, IDLERS, BRACKETS, CLEANER ARMS, ELEPHANT EARS, BUCKET EXTENSIONS, AND EXTENSION CUTTERS FOR TRENCH MACHINES; STAVES, GEARS, AND PINIONS FOR TUMBLING BARRELS; AND APRON FEEDERS.

Claims use since July 29, 1926.

Ser. No. 466,312. WILLIAM R. SHUFELT, North Chatham, N. Y. Filed Jan. 4, 1944.

So and So

FOR WHEELED GARDEN SEEDER.
Claims use since Nov. 20, 1943.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 456,934. CHROMAT-O-SCOPE COMPANY, Los Angeles, Calif. Filed Nov. 20, 1942.

Chromat-O-Scope

The drawing is lined for gold and blue.
FOR VIEWER FOR VIEWING SLIDES AND FILMS IN FULL COLORS AND THIRD DIMENSION.
Claims use since Nov. 1, 1940.

Ser. No. 464,947. THE LINCOLN PARK TOOL AND GAGE COMPANY, Lincoln Park, Mich. Filed Nov. 12, 1943.

CARBLOX

FOR PRECISION GAUGE BLOCKS.
Claims use since Oct. 1, 1943.

Ser. No. 465,686. TINIUS OLSEN TESTING MACHINE CO., Philadelphia, Pa. Filed Dec. 10, 1943.

PLASTIVERSAL

FOR TESTING MACHINES TO TEST PLASTIC MATERIALS IN TENSION, COMPRESSION, FLEXURE, STIFFNESS, IMPACT STRENGTH, FLOW OR DISPORTION.
Claims use since Nov. 1, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 465,815. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Dec. 16, 1943.

CALENDOGRAPH

FOR WATCHES.
Claims use since Nov. 27, 1943.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 466,075. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed Dec. 27, 1943.

New Dawn

FOR SILVERWARE IN THE NATURE OF FLATWARE FOR TABLE USE.
Claims use since Dec. 15, 1943.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 463,016. EMPIRE BRUSH WORKS, Port Chester, N. Y. Filed Aug. 26, 1943.

EMPIRE
CLEAN AROUND THE WORLD

FOR BRUSHES—NAMELY, FLOOR BRUSHES, COUNTER BRUSHES, WINDOW BRUSHES, LOOM DUSTERS, PICK-UP BRUSHES, RADIATOR BRUSHES, SCRUB BRUSHES, SHOE BRUSHES, SHOE DAUBERS, SUEDE BRUSHES, HAND BRUSHES, HAND NAIL BRUSHES, BATH BRUSHES, COMPLEXION BRUSHES, BARBER NECK DUSTERS, HAIR BRUSHES, CLOTHES BRUSHES, WAXING BRUSHES, COFFEE URN BRUSHES, GLASS CLEANING BRUSHES, BOTTLE BRUSHES, BILLIARD BRUSHES, DRY CLEANER'S BRUSHES, SPOTTER'S BRUSHES, HATTERS' BRUSHES, BUTTON DUSTERS, MATTRESS BRUSHES, BREWERY BRUSHES, BAR BRUSHES, TAP BRUSHES, POT BRUSHES, FENDER BRUSHES, HORSE BRUSHES, BARN BRUSHES, STREET BRUSHES, SINK BRUSHES, BATHTUB BRUSHES, ROOF BRUSHES, KALSOMINE BRUSHES, ACID BRUSHES, WHITE WASH BRUSHES, SMOOTHER BRUSHES, PAINTERS' DUSTERS, CARPET SWEEPER BRUSHES, AND DOG AND PET BRUSHES.
Claims use since July 1, 1943.

Ser. No. 466,265. RUBBERSET COMPANY, Newark, N. J. Filed Jan. 1, 1944.

PLASTIGRIP

FOR PAINT BRUSHES AND SHAVING BRUSHES.
Claims use since Oct. 18, 1943.

Ser. No. 466,266. RUBBERSET COMPANY, Newark, N. J. Filed Jan. 1, 1944.

PLASTISET

FOR PAINT BRUSHES AND SHAVING BRUSHES.
Claims use since Oct. 18, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 466,233. STAMSVIK MANUFACTURING CORPORATION, Pittsburgh, Pa. Filed Dec. 31, 1943.

S

FOR MILK FILTERS AND MILK FILTER PADS.
Claims use since June 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 463,742. ART STEEL SALES CORPORATION, New York, N. Y. Filed Sept. 29, 1943.

Steelmaster

FOR FILING CABINETS.
Claims use since August 1943.

Ser. No. 466,289. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Jan. 3, 1944.

DAV-D

FOR GLIDER COUCH SWINGS.
Claims use since Oct. 14, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 464,895. MASTER COMBUSTOR COMPANY, Albert Lea, Minn. Filed Nov. 10, 1943.

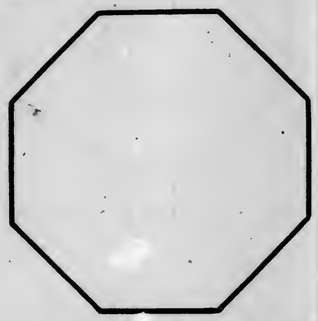
MASTER COMBUSTOR

FOR HOLLOW AUXILIARY GRATE HAVING APERTURED WALLS AND DESIGNED TO BE PLACED WITHIN A STOVE OR FURNACE UPON THE GRATE THEREOF TO FACILITATE COMBUSTION OF THE FUEL.
Claims use since Jan. 1, 1936.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 453,710. CORNING GLASS WORKS, Corning, N. Y. Filed June 17, 1942.



FOR ROTATING SEAL RINGS FOR CENTRIFUGAL PUMPS AND SIMILAR ROTATING EQUIPMENT.
Claims use since Mar. 29, 1940.

Ser. No. 454,908. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 14, 1942.

AIRCAT

FOR PNEUMATIC VEHICLE TIRES.
Claims use since Dec. 29, 1941.

CLASS 39

CLOTHING

Ser. No. 457,028. CLEAR WEAVE HOSIERY STORES, INC., Jamaica Plain, Boston, Mass. Filed Nov. 25, 1942.

MISS ROBERTA
EXCLUSIVE

The word "Exclusive" is disclaimed apart from the mark.
FOR WOMEN'S AND GIRLS' HOSIERY AND UNDERWEAR.
Claims use since Aug. 15, 1941.

Ser. No. 461,339. COBBLERS, INC., Los Angeles, Calif. Filed June 12, 1943.

Cobblets

FOR SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since May 1, 1943.

Ser. No. 462,531. WILSON BROTHERS, Chicago, Ill. Filed Aug. 4, 1943.

Cristol-Ray

FOR MEN'S AND BOYS' UNDERWEAR AND PAJAMAS.
Claims use since May 12, 1943.

Ser. No. 465,998. AVON SHOE CO. INC., New York, N. Y. Filed Dec. 23, 1943.

Panetté

FOR LADIES' AND MISSES' SHOES, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since March 1938.

Ser. No. 466,005. DAVID CRYSTAL INC., New York, N. Y. Filed Dec. 23, 1943.

BRITISH FOGGERS

The word "British" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, COVERALLS, AND JUMPERS.
Claims use since September 1943.

Ser. No. 466,092. ISAAC I. MARRUS, New York, N. Y. Filed Dec. 27, 1943.

MARS BRAND BEST BY TEST

Applicant disclaims the wording "Brand" and "Best by Test."
FOR HANDKERCHIEFS AND HAIR NETS.
Claims use since Aug. 3, 1942.

Ser. No. 466,119. JACMOR HAT CO., New York, N. Y. Filed Dec. 28, 1943.

Windjammer

FOR WOMEN'S, MISSES' AND CHILDREN'S HATS.
Claims use since Oct. 25, 1943.

Ser. No. 466,176. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Dec. 29, 1943.

LOOMLON

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS AND NIGHTGOWNS OF A TEXTILE FABRIC.
Claims use since Nov. 1, 1943.

Ser. No. 466,177. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Dec. 29, 1943.

NYLOOM

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS AND NIGHTGOWNS OF A TEXTILE FABRIC.
Claims use since Nov. 1, 1943.

Ser. No. 466,197. FRACKVILLE MANUFACTURING COMPANY, New York, N. Y. Filed Dec. 30, 1943.

Sleepy Hollow

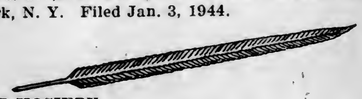
FOR MEN'S AND BOYS' PAJAMAS AND NIGHTSHIRTS.
Claims use since January 1935.

Ser. No. 466,264. C. A. NEUBURGER COMPANY, Oshkosh, Wis. Filed Jan. 1, 1944.

"Score-Maker"

FOR WOMEN'S DRESSES.
Claims use since Oct. 22, 1943.

Ser. No. 466,272. FEDDEN BROTHERS COMPANY, INC., New York, N. Y. Filed Jan. 3, 1944.



FOR HOSIERY.
Claims use since August 1914.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 422,287. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Aug. 4, 1939. Under 10-year proviso as to "Kleinert's."

Kleinert's

SNAP-IN

Applicant is owner of T. M. Reg. No. 48,993 (renewed), effected under 10-year proviso and covering the word "Kleinert's." Applicant disclaims the word "Snap-in" except as shown.
FOR DRESS SHIELDS.
Claims use since July 20, 1939.

Ser. No. 466,196. FOSTER GRANT CO. INC., Leominster Mass. Filed Dec. 30, 1943.

welqroom

FOR COMBS AND HAIR CURLERS MADE OF PLASTIC MATERIAL.
Claims use since June 23, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 463,332. SEA ISLAND MILLS, INC., New York, N. Y. Filed Sept. 10, 1943.

FORESTCREAM

FOR PIECE GOODS MADE OF A MIXTURE OF RAYON AND PROTEIN FIBRES.
Claims use since June 15, 1942.

Ser. No. 465,229. RUDOLF C. KIRCHHOFF, Hollywood, Calif. Filed Nov. 23, 1943.

kiwaii

FOR SILK, RAYON, COTTON, LINEN, AND WOOL PIECE GOODS.
Claims use since Nov. 17, 1943.

Ser. No. 465,468. SLEEPMASTER PRODUCTS COMPANY, INC., Newark, N. J. Filed Dec. 2, 1943.

SLEEPMASTER

FOR SHEETS, PILLOW CASES, BED SPREADS, BLANKETS, QUILTS, CURTAINS, COMFORTERS, MATTRESS PADS, MATTRESS COVERS AND QUILT COVERS, AND UPHOLSTERY FABRICS IN THE PIECE, AND PIECE GOODS OF COTTON, WOOL, LINEN, SILK AND RAYON, AND/OR MIXTURES THEREOF.
Claims use since November 1935.

Ser. No. 466,145. CARNAC COTTONS, INC., New York, N. Y. Filed Dec. 29, 1943.

RINKLE TEX

Applicant is the owner of registration No. 178,659, dated Jan. 15, 1924, and renewed, showing the mark "Rinkle Tex."
FOR COTTON PIECE GOODS.
Claims use since June 1, 1923.

CLASS 43

THREAD AND YARN

Ser. No. 466,267. SPINNERIN YARN CO., INC., New York, N. Y. Filed Jan. 1, 1944.

SPINDRIFT

FOR YARN.
Claims use since Dec. 14, 1943.

Ser. No. 466,395. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.



NAVAJO
ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.
FOR HAND-SPUN YARN.
Claims use since May 1, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 464,522. THE SCHOLL MFG. CO. INC., Chicago, Ill. Filed Oct. 29, 1943.

EXERPED

FOR MASSAGING ROLLER APPARATUS.
Claims use since Sept. 8, 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 466,071. CHATEAU WINES CORPORATION, Royal Oak, Mich. Filed Dec. 27, 1943.

MOLLY PITCHER

The name "Molly Pitcher" is the name of a heroine of Revolutionary fame who distinguished herself at the Battle of Monmouth.
FOR GRAPE JUICE.
Claims use since Dec. 10, 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 453,401. RED SALMON CANNING CO., San Francisco, Calif. Filed June 1, 1942. Under ten-year proviso.



FOR CANNED FISH.
Claims use since January 1895.

Ser. No. 465,041. MARTIN BROTHERS CO., doing business as Lady West Products Co., Denver Colo. Filed Nov. 16, 1943.

Yule-nogg

The word "Nogg" is disclaimed apart from the mark.
FOR FOOD PREPARATION FOR MAKING A BASE FOR EGG-NOGG.
Claims use since Sept. 1, 1942.

Ser. No. 465,439. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Dec. 1, 1943.

PALACTA

FOR BAKING POWDER.
Claims use since Nov. 8, 1943.

Ser. No. 465,856. AMERICAN BREDDO CORPORATION, New York, N. Y. Filed Dec. 18, 1943.

FREEZE-TEX

No claim is made to the word "Freeze" apart from the mark.
FOR COMPOUND, POWDER, OR MIX WHICH PROVIDES STABLING QUALITIES AND IS ESPECIALLY ADAPTED FOR USE IN THE MANUFACTURE OF FROZEN DESSERTS—NAMELY, ICE CREAM, SHERBETS, MOUSSES, AND ICES.
Claims use since Oct. 1, 1943.

Ser. No. 465,857. AMERICAN CHEWING PRODUCTS CORP., doing business as Pleasant Products Co., Newark, N. J. Filed Dec. 18, 1943.

PLEASANT EVERLASTING PEPPERTINT

Applicant disclaims the words "Pleasant Everlasting."
FOR CHEWING GUM.
Claims use since Sept. 9, 1941.

Ser. No. 465,860. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed Dec. 18, 1943.

SUNRISE

FOR CHEWING GUM.
Claims use since November 1929.

Ser. No. 465,882. SWIFT AND COMPANY, Chicago, Ill. Filed Dec. 18, 1943.

Vel-O-Teen

FOR SHERBET AND ICE STABILIZER HAVING A GELATIN BASE.
Claims use since Oct. 8, 1943.

Ser. No. 465,949. JOHN O. FORES, Los Angeles, Calif. Filed Dec. 21, 1943.

NATIV-CADO

FOR FRESH AVOCADOES.
Claims use since September 1940.

Ser. No. 466,126. RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Dec. 28, 1943.

OCCIDENT

Applicant is the owner of United States trade-mark registrations Nos. 91,380 and 116,363.
FOR WHEAT FLOUR, WHEAT FEED FOR LIVESTOCK AND POULTRY, HOG FEED SUPPLEMENT WITH MINERALS, POULTRY FEED GRAIN BALANCER, POULTRY FEED BUILDER, POULTRY ALL MASH STARTER FEED, POULTRY LAYING MASH FEED, POULTRY MASH-MAKER, PIG AND SOW FEED SUPPLEMENT, DAIRY FEED WITH MINERALS, AND HOG FEED WITH MINERALS.
Claims use to wheat flour since July 1, 1882; to wheat feed since Jan. 1, 1891; to hog feed supplement with minerals, poultry feed grain balancer, poultry feed builder, poultry all mash starter feed, poultry laying mash feed, and poultry mash-maker, since Oct. 1, 1942; to pig and sow feed supplement since Jan. 1, 1943; and to dairy feed with minerals and to hog feed with minerals since Dec. 1, 1943.

Ser. No. 466,225. LOBUE BROS., Lindsay, Calif. Filed Dec. 31, 1943.



No claim is made to the word "Yellow" apart from the mark.
FOR FRESH CITRUS FRUITS.
Claims use since Dec. 11, 1943.

Ser. No. 466,253. G. CELLA CO., New York, N. Y. Filed Jan. 1, 1944. Under 10-year proviso.

Cella's

FOR CANDY.
Claims use since Aug. 8, 1881.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 465,305. UNITED DISTILLERS PRODUCTS CORP., Amston, Conn. Filed Nov. 25, 1943.

Samba

FOR RUM.
Claims use since Mar. 1, 1908.

CLASS 50

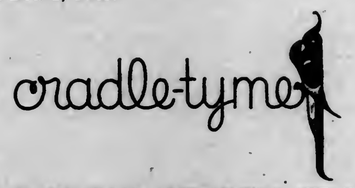
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 463,764. SPARTAN INDUSTRIAL CORPORATION, New York, N. Y. Filed Sept. 29, 1943.

SPARTAN

FOR SHEETS, BLOCKS, AND RODS MADE OF SOLID TRANSPARENT MATERIAL TO BE USED AS A SUBSTITUTE FOR GLASS, AND PLAQUES CAST OR EXTRUDED FROM SUCH MATERIAL.
Claims use since Sept. 13, 1943.

Ser. No. 465,435. A. F. SAUER COMPANY, Milwaukee, Wis. Filed Dec. 1, 1943.



FOR WATER-PROOF CRIB SHEETS AND WATER-PROOF CRIB MATTRESS COVERS.
Claims use since Aug. 30, 1943.

Ser. No. 465,493. TUBULAR GARMENT HANGERS, INC., Milwaukee, Wis. Filed Dec. 3, 1943.

Tubliform

FOR GARMENT HANGERS.
Claims use since June 15, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 7, 1944

405,998. FACE POWDER IN CAKE FORM. Miner's, Inc., New York, N. Y.
Filed December 30, 1939. Serial No. 427,038. PUBLISHED OCTOBER 5, 1943. Class 6.

405,999. DISINFECTANT, BLEACH, WATER SOFTENER, AND GERMICIDE, ALSO HAVING INCIDENTAL CLEANSING PROPERTIES, ALL LIMITED TO USES OTHER THAN ON HUMAN BEINGS AND ANIMALS. Beacon Chemical Corporation, Philadelphia, Pa.
Filed February 23, 1940. Serial No. 428,792. PUBLISHED JULY 2, 1940. Class 6.

406,000. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. Lentheric, Incorporated, New York, N. Y.
Filed October 11, 1941. Serial No. 447,704. PUBLISHED DECEMBER 14, 1943. Class 6.

406,001. COIN CONTROLLED BOTTLE VENDING ATTACHMENTS FOR REFRIGERATED CABINETS AND PARTS OF SAID ATTACHMENTS—NAMELY, BOTTLE-HOLDING BASKETS, COVER PLATE, ETC. The Vendo Company, Kansas City, Mo.
Filed October 25, 1941. Serial No. 448,120. PUBLISHED DECEMBER 28, 1943. Class 23.

406,002. ELECTRIC LAMPS, ELECTRON TUBES, RADIO RECEIVERS, RADIO TRANSMITTERS, ELECTRIC WELDING CONTROLS, ELECTRO-MECHANICAL TUBE PROCESSING DEVICES, ELECTRON TUBE STORAGE CABINETS, AND COMPONENT PARTS OF EACH OF THE FOREGOING. Hygrade Sylvania Corporation, Salem, Mass., now by change of name Sylvania Electric Products Inc.
Filed December 2, 1941. Serial No. 449,098. PUBLISHED JUNE 29, 1943. Class 21.

406,003. BLOTTERS. Paul R. Slosar, Bridgeport, Conn.
Filed February 9, 1942. Serial No. 450,867. PUBLISHED DECEMBER 28, 1943. Class 37.

406,004. CERAMIC WARE—NAMELY, JARS FOR CONTAINING VARIOUS SOLIDS AND LIQUIDS, PLANTS AND LIKE ARTICLES, AND FOR DECORATIVE PURPOSES, AND COVERS THEREFOR. Philco Corporation, Philadelphia, Pa.
Filed February 11, 1942. Serial No. 450,904. PUBLISHED DECEMBER 28, 1943. Class 30.

406,005. MIXTURE OF CHEMICALS AND ABRASIVES USED IN POLISHING EXCEPT COATED AND BONDED ABRASIVES. Special Chemicals Corporation, New York, N. Y., assignor to Lionel Cinamon and Bessie P. Cinamon, doing business as Special Chemicals Company, New York, N. Y.
Filed June 24, 1942. Serial No. 453,861. PUBLISHED DECEMBER 15, 1942. Class 4.

406,006. FELT BASE COMPOSITION SHINGLES AND SHEET ROOFING. Johns-Manville Corporation, New York, N. Y.
Filed July 3, 1942. Serial No. 454,036. PUBLISHED DECEMBER 28, 1943. Class 12.

406,007. RAILROAD PASSENGER CARS. The Pullman Company, Chicago, Ill.
Filed July 25, 1942. Serial No. 454,521. PUBLISHED DECEMBER 28, 1943. Class 19.

406,008. GLASS BOTTLE NOVELTIES DISPLAYING A COIN THEREIN USED AS TALISMANS. Bernard Lubow, New York, N. Y.
Filed August 1, 1942. Serial No. 454,660. PUBLISHED FEBRUARY 9, 1943. Class 50.

406,009. PLASTIC GRATER, A KITCHEN UTENSIL. Klear-Vu Products Co., Newark, N. J.
Filed October 3, 1942. Serial No. 455,948. PUBLISHED DECEMBER 7, 1943. Class 23.

406,010. SOAP. Larkin Store Corporation, Buffalo, N. Y.
Filed October 10, 1942. Serial No. 456,125. PUBLISHED DECEMBER 28, 1943. Class 4.

406,011. WATERPROOF PASTES, GLUES, AND ADHESIVE GUMS. The F. G. Findley Co., Milwaukee, Wis.
Filed November 25, 1942. Serial No. 457,035. PUBLISHED APRIL 20, 1943. Class 5.

406,012. INSTRUMENTS USED WITHIN BOREHOLES FOR ASCERTAINING THE COURSE THEREOF. Sperry-Sun Well Surveying Company, Philadelphia, Pa.
Filed December 4, 1942. Serial No. 457,214. PUBLISHED SEPTEMBER 21, 1943. Class 26.

406,013. SUSPENSORIES. United Cigar-Whelan Stores Corporation, New York, N. Y.
Filed January 25, 1943. Serial No. 458,166. PUBLISHED MAY 11, 1943. Class 44.

406,014. NONMETALLIC HOSE PIPE. Wilkinson Rubber Linatex Limited, London, England.
Filed February 2, 1943. Serial No. 458,310. PUBLISHED DECEMBER 28, 1943. Class 35.

406,015. BRAIDED AND TWISTED COTTON CORD AND TWINE, PARTICULARLY BRAIDED SASH CORD, BRAIDED MASON'S LINE, BRAIDED DRAPERY CORD, TWISTED COTTON ROPE, CHALK LINE, AND SEINE TWINE. John H. Graham & Co., Inc., New York, N. Y.
Filed February 13, 1943. Serial No. 458,512. PUBLISHED JUNE 8, 1943. Class 7.

406,016. BRAIDED AND TWISTED COTTON CORD AND TWINE, PARTICULARLY BRAIDED SASH CORD, BRAIDED MASON'S LINE, BRAIDED DRAPERY CORD, TWISTED COTTON ROPE, CHALK LINE, AND SEINE TWINE. John H. Graham & Co., Inc., New York, N. Y.
Filed February 13, 1943. Serial No. 458,513. PUBLISHED JUNE 8, 1943. Class 7.

406,017. AMINO ACID PREPARATIONS INTENDED FOR INTRAVENOUS INJECTION ADMINISTRATION FOR USE IN THE TREATMENT OF NUTRITIONAL DISORDERS. William R. Warner & Co., Inc., Wilmington, Del., and New York, N. Y.
Filed February 20, 1943. Serial No. 458,665. PUBLISHED MAY 4, 1943. Class 6.

406,018. PERMANENTLY ELASTIC COMPOUND FOR LEAKPROOFING AND RUSTPROOFING THREADS AND JOINTS IN METAL PIPING. The Tremco Manufacturing Company, Cleveland, Ohio.
Filed March 29, 1943. Serial No. 459,502. PUBLISHED DECEMBER 28, 1943. Class 12.

406,019. ENGINES—NAMELY, AIRCRAFT ENGINES, DIESEL ENGINES, AND STATIONARY ENGINES, AIRCRAFT PUMPS. Menasco Manufacturing Company, Burbank, Calif.
Filed April 5, 1943. Serial No. 459,628. PUBLISHED DECEMBER 7, 1943. Class 23.

406,020. OILS FOR PAINTS. Union Bag & Paper Corporation, New York, N. Y.
Filed April 20, 1943. Serial No. 460,039. PUBLISHED DECEMBER 28, 1943. Class 16.

406,021. COFFEE AND TEA. Heinz Ronberg, doing business as Rococo Coffee Company, Stamford, Conn.
Filed April 24, 1943. Serial No. 460,162. PUBLISHED DECEMBER 28, 1943. Class 46.

406,022. AIRCRAFT SERVICE AND REPAIR PLATFORMS OF A COLLAPSIBLE NATURE. The Wolfe & Mann Manufacturing Company, Baltimore, Md.
Filed May 7, 1943. Serial No. 460,488. PUBLISHED DECEMBER 28, 1943. Class 50.

406,023. COMPOUND FOR CLEANING STOVES, PORCELAIN, ENAMEL, SINKS, AND BATHTUBS, AND ALSO A POWDER RUG CLEANER. Taylor Paisley, doing business as the Korex Company, Ferndale, Mich.
Filed May 24, 1943. Serial No. 460,877. PUBLISHED SEPTEMBER 21, 1943. Class 4.

406,024. AMMONIA AND BLEACH HAVING INCIDENTAL GERMICIDE, DEODORANT, DISINFECTANT, AND CLEANING PROPERTIES. Edwin G. Barrese, Somerville, Mass., assignor to Gold Cap Chemical Company, Inc., Somerville, Mass., a corporation of Massachusetts.
Filed May 27, 1943. Serial No. 460,948. PUBLISHED DECEMBER 21, 1943. Class 6.

406,025. FIBER WALL BOARDS IN SHEET FORM TO BE USED INSTEAD OF PLASTER. Marsh Wall Products, Inc., Dover, Ohio.
Filed May 28, 1943. Serial No. 460,998. PUBLISHED DECEMBER 28, 1943. Class 12.

406,026. HAIR SHAMPOO. Middlebrooke Lancaster, Inc., Brooklyn, N. Y.
Filed June 11, 1943. Serial No. 461,322. PUBLISHED DECEMBER 21, 1943. Class 6.

406,027. SANDING MACHINES USED IN SURFACE FINISHING AND PARTS THEREOF. Pacific Abrasive Supply Company, Los Angeles, Calif.
Filed June 12, 1943. Serial No. 461,350. PUBLISHED DECEMBER 21, 1943. Class 23.

406,028. TUMBLING BARRELS, MACHINES AND APPARATUS FOR CUTTING DOWN, ABRAIDING, DEBURRING, BURNISHING, AND POLISHING ARTICLES OF METAL, WOOD, NATURAL OR ARTIFICIAL STONE AND OF PLASTIC MATERIAL, AND PARTS OF SAID BARRELS, MACHINES, AND APPARATUS. Lupomatic Tumbling Machine Co., Inc., New York, N. Y.
Filed June 15, 1943. Serial No. 461,414. PUBLISHED DECEMBER 14, 1943. Class 23.

406,029. CHOCOLATE BARS FORTIFIED WITH VITAMINS. Cook Chocolate Company, Chicago, Ill.
Filed June 16, 1943. Serial No. 461,433. PUBLISHED DECEMBER 21, 1943. Class 6.

406,030. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. The Gruen Watch Company, Cincinnati, Ohio.
Filed June 17, 1943. Serial No. 461,462. PUBLISHED AUGUST 24, 1943. Class 27.

406,031. HYDRAULIC JACKS, FENDER STRAIGHTENERS, TOOL GRINDERS, PLANES, AND VISES. American Hydraulics, Inc., Sheboygan, Wis.
Filed June 28, 1943. Serial No. 461,706. PUBLISHED DECEMBER 7, 1943. Class 23.

406,032. GAS AND OIL FIRED AUTOMATIC HEATING AND AIR CONDITIONING UNITS; HEATING BOILERS; OIL BURNERS; OIL-FIRED WATER HEATERS; FORCED DRAFT ATTIC VENTILATORS; AND AIR DUCTS. Gar Wood Industries, Inc., Detroit, Mich.
Filed July 10, 1943. Serial No. 461,992. PUBLISHED DECEMBER 28, 1943. Class 34.

406,033. HAND TOOLS—NAMELY, FILES. Murcott & Campbell, Inc., Brooklyn, N. Y.
Filed August 10, 1943. Serial No. 462,648. PUBLISHED DECEMBER 21, 1943. Class 23.

406,034. SHEET OR STRIP MATERIAL WITH A LUMINESCENT COATING THEREON FORMED OF FABRIC, PAPER, OR THE LIKE TO LOCATE OBJECT IN THE DARK. E. P. Lynch, Inc., Providence, R. I.
Filed August 12, 1943. Serial No. 462,686. PUBLISHED DECEMBER 28, 1943. Class 50.

406,035. MEDICINAL COMPOUND FOR TREATMENT OF THE GASTRO-INTESTINAL TRACT. John Wyeth and Brother Incorporated, Philadelphia, Pa., now by change of name Wyeth Incorporated, a corporation of Delaware.
Filed August 14, 1943. Serial No. 462,762. PUBLISHED DECEMBER 21, 1943. Class 6.

406,036. FILMS, FOIL, OR SHEETS COMPOSED OF CO-POLYMERS OF VINYLIDENE CHLORIDE, WITH OR WITHOUT PLASTICIZERS FOR USE AS WRAPPING AND PACKAGING MATERIAL. The Dow Chemical Company, Midland, Mich.
Filed August 24, 1943. Serial No. 462,966. PUBLISHED DECEMBER 28, 1943. Class 37.

406,037. MERCHANDISE DISPLAY FORMS FOR CHILDREN'S, MEN'S, AND WOMEN'S APPAREL ARTICLES AND CHILDREN'S, MEN'S, AND WOMEN'S MANNEQUINS. L. A. Darling Company, Bronson, Mich.
Filed August 26, 1943. Serial No. 463,015. PUBLISHED DECEMBER 28, 1943. Class 50.

406,038. COSMETICS FOR HAIR AND HAIR LOTION MATERIALS USED IN PREPARING THEM. Harry M. Martin, doing business as Martin Laboratories, New York, N. Y.
Filed August 28, 1943. Serial No. 463,078. PUBLISHED DECEMBER 14, 1943. Class 6.

406,039. PAINTS AND LACQUERS SOLD IN READY MIXED FORM. Joseph Wexler, doing business as Atlas Paint and Varnish Company, New York, N. Y.
Filed September 8, 1943. Serial No. 463,281. PUBLISHED DECEMBER 28, 1943. Class 16.

406,040. PAINTS AND SHELLAC PREPARED AND READY FOR USE AND SOLD IN READY MIXED FORM. Joseph Wexler, doing business as Atlas Paint and Varnish Company, New York, N. Y.
Filed September 8, 1943. Serial No. 463,282. PUBLISHED DECEMBER 28, 1943. Class 16.

406,041. DRYING UP AND ABSORBENT MINERAL COMPOUND FOR DRYING UP OILS, AND USED AS AN ANTI-SLIP OIL ABSORBENT AND AS SWEEPING COMPOUND. Trojan Products & Mfg. Co., Chicago, Ill.
Filed September 10, 1943. Serial No. 463,338. PUBLISHED DECEMBER 21, 1943. Class 6.

406,042. PREPARATION FOR STOPPING RUNS IN KNIT GOODS, SUCH AS HOSIERY. Phillip H. Wuille, doing business as Standard Appliance Company, Charlotte, N. C.
Filed September 11, 1943. Serial No. 463,363. PUBLISHED DECEMBER 14, 1943. Class 6.

406,043. DIETARY SUPPLEMENTAL MINERAL FOOD IN CAPSULE FORM. Anabolic Food Products, Inc., Glendale, Calif.
Filed September 13, 1943. Serial No. 463,374. PUBLISHED DECEMBER 14, 1943. Class 6.

406,044. HYDRAULIC PUMPS, HYDRAULIC CONTROL VALVES, HYDRAULIC HOISTS, AND HYDRAULICALLY OPERATED MECHANISMS AND FITTINGS. HYDRAULIC EQUIPMENT COMPANY, Cleveland, Ohio.
Filed September 17, 1943. Serial No. 463,462. PUBLISHED DECEMBER 7, 1943. Class 23.

406,045. CHEMICAL PREPARATION FOR REMOVING AND PREVENTING BOILER SCALE. THE KLENZOID CORPORATION, Philadelphia, Pa.
Filed September 20, 1943. Serial No. 463,522. PUBLISHED DECEMBER 21, 1943. Class 6.

406,046. LAUNDRY STARCH. THE HUBINGER CO., Keokuk, Iowa.
Filed September 21, 1943. Serial No. 463,540. PUBLISHED DECEMBER 14, 1943. Class 6.

406,047. LAUNDRY STARCH. THE HUBINGER CO., Keokuk, Iowa.
Filed September 21, 1943. Serial No. 463,541. PUBLISHED DECEMBER 14, 1943. Class 6.

406,048. LAUNDRY STARCH. THE HUBINGER CO., Keokuk, Iowa.
Filed September 21, 1943. Serial No. 463,543. PUBLISHED DECEMBER 14, 1943. Class 6.

406,049. COLLETS, POLISHING LATHES AND TOOL POST TURRETS. HAROLD E. CROZIER, doing business as Crozier Machine Tool Company, Hawthorne, Calif.
Filed September 22, 1943. Serial No. 463,569. PUBLISHED DECEMBER 28, 1943. Class 23.

406,050. FRESH VEGETABLES. H. B. MURPHY, Brawley, Calif.
Filed September 27, 1943. Serial No. 463,701. PUBLISHED NOVEMBER 30, 1943. Class 46.

406,051. ANAESTHETIC. PUROCAINE CHEMICAL COMPANY, INC., New York and Long Island City, N. Y.
Filed September 27, 1943. Serial No. 463,707. PUBLISHED DECEMBER 21, 1943. Class 6.

406,052. BONDING AGENT CONSISTING OF LIGNIN RESINS FOR SAND AND CLAY FOR FOUNDRY USE, AND FOR OTHER COMMINUTED MATERIALS. MARATHON PAPER MILLS COMPANY, Rothschild, Wis.
Filed September 28, 1943. Serial No. 463,737. PUBLISHED DECEMBER 28, 1943. Class 5.

406,053. ANTACID PREPARATION FOR THE TREATMENT OF GAS ON A SOUR OVER ACID STOMACH, HEARTBURN, ETC. GUSTAVE PELLEGRINO, doing business as Rumo-Digest Mfg. Co., New York, N. Y.
Filed May 24, 1941. Serial No. 443,891. PUBLISHED NOVEMBER 9, 1943. Class 6.

406,054. FACE POWDER, SHAMPOO AND FACIAL CREAMS, LIQUID BEAUTY CREAM. PAUL C. BRAGO, doing business as Sun Olive Cosmetic Co., Burbank, Calif.
Filed October 4, 1943. Serial No. 463,864. PUBLISHED DECEMBER 21, 1943. Class 6.

406,055. COMPOSITION FOR DUSTPROOFING COAL. THE JOHNSON-MARCH CORPORATION, New York, N. Y.
Filed October 1, 1943. Serial No. 463,818. PUBLISHED DECEMBER 14, 1943. Class 6.

406,056. MEDICINAL OINTMENT FOR EXTERNAL USE FOR RELIEF OF PAINS DUE TO RHEUMATISM, LUMBAGO, SCIATICA, SWELLING, LUNG CONGESTION, SORE THROAT, AND COLDS. LUCYAN W. SCIBIORSKI, Chicago, Ill.
Filed October 4, 1943. Serial No. 463,894. PUBLISHED DECEMBER 14, 1943. Class 6.

406,057. VITAMIN PREPARATIONS. DISTILLATION PRODUCTS, INC., Rochester, N. Y.
Filed October 5, 1943. Serial No. 463,899. PUBLISHED DECEMBER 14, 1943. Class 6.

406,058. SEDATIVES, PARTICULARLY HERBACEOUS SEDATIVES. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y.
Filed October 6, 1943. Serial No. 463,925. PUBLISHED DECEMBER 21, 1943. Class 6.

406,059. CHLORINATED WATER PURIFICATION TABLET. LAMBERT PHARMACAL COMPANY, Wilmington, Del., and St. Louis, Mo.
Filed October 6, 1943. Serial No. 463,931. PUBLISHED DECEMBER 21, 1943. Class 6.

406,060. SILVER WIRE, ENAMELED WIRE, AND WIRE WITH A METALLIC COATING. NORTH AMERICAN PHILLIPS COMPANY, INC., Dobbs Ferry, N. Y.
Filed October 6, 1943. Serial No. 463,934. PUBLISHED DECEMBER 28, 1943. Class 14.

406,061. CHILDREN'S COSTUME JEWELRY. KAUFMAN & RUDERMAN, INC., New York, N. Y.
Filed October 7, 1943. Serial No. 463,973. PUBLISHED DECEMBER 28, 1943. Class 28.

406,062. PREPARATION FOR REMOVING DANDRUFF. BEUTALURE, INC., Wilmington, Del.
Filed October 8, 1943. Serial No. 463,987. PUBLISHED DECEMBER 21, 1943. Class 6.

406,063. PENCILS OF ALL KINDS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed October 8, 1943. Serial No. 463,998. PUBLISHED DECEMBER 28, 1943. Class 37.

406,064. PLATEN ROLLS FOR IMPRINTING MACHINES AND PARTS THEREOF. THE STANDARD REGISTER COMPANY, Dayton, Ohio.
Filed October 8, 1943. Serial No. 464,008. PUBLISHED DECEMBER 7, 1943. Class 23.

406,065. PERFUMES. ALEXANDER MANSON, doing business as Manson, Chicago, Ill.
Filed October 9, 1943. Serial No. 464,027. PUBLISHED DECEMBER 21, 1943. Class 6.

406,066. COMPOUNDS USED IN THE CURING OF RUBBER ARTICLES, ESPECIALLY SYNTHETIC RUBBER ARTICLES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed October 11, 1943. Serial No. 464,061. PUBLISHED DECEMBER 14, 1943. Class 6.

406,067. CLUTCHES FOR DETACHABLY CONNECTING DRIVING MECHANISM TO DRIVEN MECHANISM. NEWAYGO ENGINEERING COMPANY, Newaygo, Mich.
Filed October 11, 1943. Serial No. 464,063. PUBLISHED DECEMBER 28, 1943. Class 23.

406,068. CASEIN, A RAW MATERIAL USED IN MAKING PAPER COATING, GLUE, PAINT, AND PLASTICS. PACKING PRODUCTS COMPANY, New York, N. Y.
Filed October 12, 1943. Serial No. 464,092. PUBLISHED DECEMBER 28, 1943. Class 1.

406,069. EARTH MIXTURES FOR RECLAIMING WASTE SOLVENTS. THE DICALITE COMPANY, Los Angeles, Calif.
Filed October 13, 1943. Serial No. 464,106. PUBLISHED DECEMBER 28, 1943. Class 1.

406,070. INSECTICIDES. GEIGY COMPANY, INC., New York, N. Y.
Filed October 14, 1943. Serial No. 464,132. PUBLISHED DECEMBER 21, 1943. Class 6.

406,071. INSECTICIDES. GEIGY COMPANY, INC., New York, N. Y.
Filed October 14, 1943. Serial No. 464,133. PUBLISHED DECEMBER 21, 1943. Class 6.

406,072. LAXATIVE PREPARATION. GURIAN LABORATORIES, INC., Brooklyn, N. Y.
Filed October 15, 1943. Serial No. 464,165. PUBLISHED DECEMBER 21, 1943. Class 6.

406,073. CRAYONS OF ALL KINDS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed October 15, 1943. Serial No. 464,166. PUBLISHED DECEMBER 28, 1943. Class 37.

406,074. LEAD PENCILS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed October 15, 1943. Serial No. 464,167. PUBLISHED DECEMBER 28, 1943. Class 37.

406,075. LEAD PENCILS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed October 15, 1943. Serial No. 464,168. PUBLISHED DECEMBER 28, 1943. Class 37.

406,076. PORTABLE POWER DRIVEN CRANES AND LOADERS. THE JAEGER MACHINE COMPANY, Columbus, Ohio.
Filed October 15, 1943. Serial No. 464,171. PUBLISHED DECEMBER 21, 1943. Class 23.

406,077. COLOGNE. MANSON DISTRIBUTORS, Chicago, Ill.
Filed October 15, 1943. Serial No. 464,176. PUBLISHED DECEMBER 21, 1943. Class 6.

406,078. ANIMAL HAIRS AND WOOL. ARTHUR PHILIP & Co., INC., New York, N. Y.
Filed October 15, 1943. Serial No. 464,181. PUBLISHED DECEMBER 28, 1943. Class 1.

406,079. MELTING AND REFINING FLUXES. BASIC MAGNESIUM INCORPORATED, Las Vegas, Nev.
Filed October 18, 1943. Serial No. 464,212. PUBLISHED DECEMBER 21, 1943. Class 6.

406,080. PERFUMES IN LIQUID AND POWDER FORM, PERFUME BAGS, AND PERFUME SACHETS. HERVEY MANUFACTURING CO., New York, N. Y.
Filed October 18, 1943. Serial No. 464,226. PUBLISHED DECEMBER 21, 1943. Class 6.

406,081. ALKALI METAL ANTIMONYLS OF FRUIT ACIDS—NAMELY, TARTARIC ACID AND CITRIC ACID AND FOR INSECTICIDES. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed October 18, 1943. Serial No. 464,259. PUBLISHED DECEMBER 21, 1943. Class 6.

406,082. ADHESIVE CEMENTS. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed October 22, 1943. Serial No. 464,351. PUBLISHED DECEMBER 28, 1943. Class 5.

406,083. INTERIOR WALL PAINTS. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio.
Filed October 26, 1943. Serial No. 464,416. PUBLISHED DECEMBER 28, 1943. Class 16.

406,084. FLUORESCENT LIGHTING FIXTURES, WALL LAMPS AND FLOOR LAMPS. A. L. SMITH IRON COMPANY, Chelsea, Mass.
Filed October 27, 1943. Serial No. 464,448. PUBLISHED DECEMBER 28, 1943. Class 21.

406,085. CARDBOARD BOXES. PAPER PACKAGE COMPANY, Indianapolis, Ind.
Filed November 1, 1943. Serial No. 464,583. PUBLISHED DECEMBER 28, 1943. Class 2.

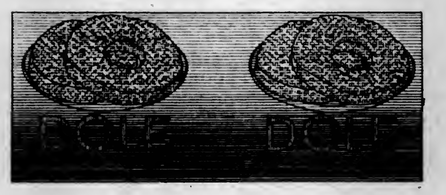
406,086. HAND MIRRORS. ARCO METALCRAFT INC., New York, N. Y.
Filed November 6, 1943. Serial No. 464,773. PUBLISHED DECEMBER 28, 1943. Class 32.

406,087. LIQUID AIR FRESHENING DEODORANT. SEEMAN BROTHERS, INC., New York, N. Y.
Filed October 1, 1943. Serial No. 463,823. PUBLISHED DECEMBER 7, 1943. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed June 13, 1941. Serial No. 444,499.



FOR CANNED FRUITS—NAMELY, CANNED PINEAPPLE.
Claims use since June 2, 1938.

406,089. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN BEARING CORPORATION, Indianapolis, Ind. Filed June 6, 1942. Serial No. 453,503.



FOR BABBITT-LINED AND OTHER METALLIC BEARINGS.
Claims use since Jan. 10, 1921.

406,090. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROGER HARRY DAVID, St. Paul, Minn. Filed Oct. 21, 1942. Serial No. 456,305.

David
SHINE STICK

FOR SHOE POLISH IN STICK FORM, AND POLISHING CLOTHS USED THEREWITH.
Claims use since Apr. 3, 1941.

406,091. (CLASS 47. WINES.) COLCOMBET, INC., also doing business as Colcombet Cellars, San Francisco, Calif. Filed Dec. 30, 1942. Serial No. 457,650.

COLCOMBET

FOR WINES.
Claims use since 1940.

406,092. (CLASS 12. CONSTRUCTION MATERIALS.) MANUFACTURERS SPECIALTY COMPANY, Whiting, Ind. Filed Feb. 18, 1943. Serial No. 458,613.

PANELBRIC

FOR INSULATED ASPHALT SIDING.
Claims use since Nov. 20, 1941.

406,093. (CLASS 38. PRINTS AND PUBLICATIONS.) RADCRAFT PUBLICATIONS, INC., New York, N. Y. Filed Mar. 24, 1943. Serial No. 459,315.

POPULAR ELECTRONICS

FOR ARTICLES PUBLISHED MONTHLY AS A SECTION OF A MONTHLY MAGAZINE.
Claims use since Jan. 11, 1943.

406,094. (CLASS 12. CONSTRUCTION MATERIALS.) GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed Mar. 26, 1943. Serial No. 459,365.

PANELWOOD

FOR INSULATED WOOD DESIGN SIDING MADE OF SHEETS OF FIBROUS MATERIAL IMPREGNATED WITH A WATERPROOFING SUBSTANCE AND COATED WITH A BITUMINOUS COMPOSITION COVERED WITH GRIT.
Claims use since Feb. 18, 1942.

406,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD S. STOKES, doing business as The Stokes Canning Company, Denver, Colo. Filed Mar. 31, 1943. Serial No. 459,555.



FOR CANNED AND PACKAGED CHILE CON CARNE.
Claims use since Dec. 1, 1918.

406,096. (CLASS 38. PRINTS AND PUBLICATIONS.) COMMODITY RESEARCH BUREAU, INC., New York, N. Y. Filed Aug. 4, 1943. Serial No. 462,490.

INDUSTRIAL RELATIONS INSTITUTE

FOR PUBLICATIONS ISSUED AT IRREGULAR INTERVALS AND DEALING WITH GOVERNMENTAL LAWS, REGULATIONS, AND MATTERS OF COMMERCE.
Claims use since November 1941.

406,097. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) LITCHFIELD MANUFACTURING COMPANY, Litchfield, Mich. Filed Aug. 19, 1943. Serial No. 462,850.

WAIST-HI-

FOR STOVES AND OUTDOOR BROILERS USING CARBONACEOUS FUELS.
Claims use since August 1940.

406,098. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN UHRIK, Chicago, Ill. Filed Sept. 1, 1943. Serial No. 463,159.

Labor - Less - Cleaner

FOR CLEANER FOR PAINTED AND ENAMELED WALLS, WOODWORK, FLOORS, SINKS, AND BATHROOMS.
Claims use since May 1, 1940.

406,099. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HERMAN ZAIKANER, doing business as Ruzak Industries, New York, N. Y. Filed Sept. 18, 1943. Serial No. 463,501.

REDY-CUT *Appliques*

FOR APPLIQUÉ MOTIFS FOR TRIMMING GARMENTS.
Claims use since Aug. 17, 1942.

406,100. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Sept. 28. 1943. Serial No. 463,739.

SABROSO

FOR RUM.
Claims use since Jan. 11, 1943.

406,101. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 13, 1943. Serial No. 464,114.

FOOD
INDUSTRIES

FOR MAGAZINES PUBLISHED PERIODICALLY.
Claims use since Oct. 1, 1928.

406,102. (CLASS 39. CLOTHING.) HANES HOSIERY INCORPORATED, New York, N. Y. Filed Oct. 30, 1943. Serial No. 464,539.

Pro-Tec-Toes

FOR HOSIERY.
Claims use since Feb. 20, 1920.

406,103. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIDDLEBROOKE LANCASTER, INC., Brooklyn, N. Y. Filed Nov. 4, 1943. Serial No. 464,709.

PADETTES

FOR HAIR LACQUER CONTAINED IN CLOTH PADS.
Claims use since January 1942.

406,104. (CLASS 38. PRINTS AND PUBLICATIONS.) MAURICE J. KARPELES, INC., Providence, R. I. Filed Nov. 6, 1943. Serial No. 464,788.

Di Roma

FOR PRAYER BOOKS, RELIGIOUS BOOKS, COMBINATION RELIGIOUS SETS COMPOSED OF PRAYER BOOKS AND ROSARIES, AND COMBINATION RELIGIOUS SETS COMPOSED OF PRAYER BOOKS AND RELIGIOUS MEDALS.
Claims use since May 3, 1940.

406,105. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS PRODUCTS CORP., Amston, Conn. Filed Nov. 25, 1943. Serial No. 465,304.

OLD AMSTON

FOR WHISKEY.
Claims use since May 1, 1937.

406,106. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROBERT JOSEPHSON, doing business as Sta-Wite Manufacturing Company, Miami, Fla. Filed Nov. 18, 1943. Serial No. 465,110.

STA-WITE

FOR POWDERED CLEANER FOR CLEANING WHITE SHOES, AND FOR CLEANING ANY ARTICLES MADE OF WHITE BUCK, SUEDE, AND OTHER WHITE MATERIALS TO WHICH THE CLEANER MAY BE APPLIED.
Claims use since February 1914.

406,107. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. WARNER & CO. INC., New York, N. Y. Filed December 3, 1943. Serial No. 465,494.

OMNI-BETA

FOR VITAMIN B COMPLEX COMPOSITION.
Claims use since Nov. 28, 1940.

406,108. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) BERRY SEED COMPANY, Clarinda, Iowa. Filed Dec. 20, 1943. Serial No. 465,888.

MULTI-PERFECTED

FOR HYBRID SEED CORN.
Claims use since Feb. 1, 1939.

406,109. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HERMAN J. LEFFERT, New York, N. Y. Filed Dec. 23, 1943. Serial No. 466,011.

HELVETIA

FOR WATCHES, WATCH CASES, WATCH MOVEMENTS, CLOCKS AND PARTS THEREOF.
Claims use since 1935.

406,110. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) FRANKEL-JACOBS, New York, N. Y. Filed Jan. 1, 1944. Serial No. 466,255.



FOR LEATHER CARD CASES, KEY CASES, BRIEF CASES, PORTFOLIOS, WALLETS, BILL FOLDS, POCKET BOOKS, AND CHANGE PURSES.
Claims use since Dec. 3, 1942.

406,111. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BURGESS BATTERY COMPANY, Chicago, Ill. Filed Jan. 3, 1944. Serial No. 466,270.

BURGESS

FOR DRY BATTERIES AND FLASHLIGHT CASES.
Claims use since 1915.

406,112. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WALTER KOCHER, New York, N. Y. Filed Jan. 4, 1944. Serial No. 466,307.

ROYCE

FOR WATCHES.
Claims use since September 1931.

TRADE-MARK REGISTRATIONS RENEWED

24,756. **SALT SICK.** CONDITION-POWDERS. Registered May 22, 1894. WILLIAM G. TILGHMAN. Re-renewed May 22, 1944, to Ackerman-Stewart Drug Co., Palatka, Fla., a corporation of Florida, successor.

170,068. **EXCELLO "FULL SWING".** MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. Registered July 10, 1923. EXCELLO SHIRT CO. INC. Renewed July 10, 1943, to Excello Shirts, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

170,125. **EXCELLO.** MEN'S, WOMEN'S, BOYS', AND CHILDREN'S GARMENTS, AS FOLLOWS: DRESS AND NEGLIGEE SHIRTS, COLLARS, PYJAMAS, NIGHTWEAR, AND MEN'S TEXTILE UNDERWEAR. Registered July 10, 1923. EXCELLO SHIRT CO., INC. Renewed July 10, 1943, to Excello Shirts, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

170,381. **SOFTEX.** MEN'S FELT, STRAW, CLOTH, AND SILK HATS AND CAPS. Registered July 17, 1923. HANOVER-HALL COMPANY. Renewed July 17, 1943, to Clifford T. Hall, New York, N. Y., assignee by mesne assignments.

172,940. **REPRESENTATION OF A FLEUR DE LIS.** LINEN GOODS IN THE PIECE, HANDKERCHIEFS AND HOUSEHOLD OR DOMESTIC GOODS OF LINEN; AND COMBINATIONS OF LINENS AND COTTON KNOWN AS UNION GOODS. Registered September 11, 1923. IRELAND BROS., INC., New York, N. Y. Renewed September 11, 1943, to Ireland Bros., Limited, Belfast, Northern Ireland, a corporation of Great Britain and Northern Ireland, assignee.

178,497. **KURLASH.** EYELASH CRIMPERS. Registered January 15, 1924. THE STICKEL COMPANY, INC. Renewed January 15, 1944, to The Kurlash Company, Inc., Rochester, N. Y., a corporation of New York, by change of name.

178,620. **SOAPERIOR.** SOAP. Registered January 15, 1924. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed January 15, 1944.

178,688. **FLEUR-DE-LIS.** LINEN GOODS IN THE PIECE, HANDKERCHIEFS AND HOUSEHOLD OR DOMESTIC GOODS MANUFACTURED FROM LINEN. Registered January 15, 1924. IRELAND BROS. INC., New York, N. Y. Renewed January 15, 1944, to Ireland Bros. Limited, Belfast, Northern Ireland, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

179,073. **"U.S.L." AND DESIGN.** POWDERED ALUM, BORIC ACID, POWDERED BORAX, CAMPHORATED OIL, AROMATIC CASCARA, CASTOR OIL, COMPOUND LICORICE POWDER, CREAM OF TARTAR, EPSOM SALTS, ESSENCE OF PEPPERMINT, GLYCERIN, GROUND FLAXSEED, WHOLE FLAXSEED, ROCHELLE SALTS, SODA BICARBONATE, AND OTHER CERTAIN NAMED MEDICINAL PREPARATIONS. Registered February 5, 1924. U. S. PURE DRUG LABORATORIES. Renewed February 5, 1944, to Hy-Pure Laboratories, Inc., Cincinnati, Ohio, a corporation of Ohio, successor.

179,199. **"DAWES IDEAL" AND DESIGN.** CORN REMOVER. Registered February 5, 1924. JOHN C. DAWES, Irvington, N. J. Renewed February 5, 1944, to J. C. Dawes, San Jose, Calif.

179,232. **MOHAWK.** COAL. Registered February 5, 1924. LAURENCE E. TIERNEY FUEL COMPANY. Renewed February 5, 1944, to Eastern Coal Sales Company, Bluefield, W. Va., a corporation of West Virginia, assignee.

179,310. **OVENOMETER.** THERMOMETERS. Registered February 5, 1924. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y., a corporation of New York. Renewed February 5, 1944.

179,340. **CHAMPLAIN.** TEXTILE ARTICLES—NAMELY, HOSIERY. Registered February 5, 1924. THE PARAMOUNT KNITTING COMPANY, Chicago, Ill., assignor to Bear Brand Hosiery Co. Renewed February 5, 1944, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois, assignee.

179,425. **"OAKWOOD" AND DRAWING.** SOLDERING PASTE OR FLUX. Registered February 12, 1924. CARTTER WEAVER, doing business as Weaver Specialty Company. Renewed February 12, 1944, to Alice P. Weaver, doing business as Weaver Specialty Co., Pittsburgh, Pa., successor.

179,606. **GOLD BOND.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS: CREAM SODA, LEMON SOUR, ROOT BEER, AND STRAWBERRY, LEMON, GRAPE, ORANGE, CHERRY, RASPBERRY, AND BLACKBERRY SODAS, AND FOR EXTRACTS AND CONCENTRATED SIRUPS FOR USE IN THE MANUFACTURE OF SOFT DRINKS. Registered February 12, 1924. JAMES A. MITCHELL, doing business as The Gold Bond Products Co., Denison, Iowa. Renewed February 12, 1944.

179,608. **"ECLIPSE" AND DRAWING.** SWEATERS. Registered February 12, 1924. ISODOR BERGER, doing business as Eclipse Knitting Mills. Renewed February 12, 1944, to Eclipse Knitting Mills, Newark, N. J., a partnership, assignee.

179,617. **BARNEY GOOGLE AND SPARK PLUG.** CARTOONS. Registered February 12, 1924. KING FEATURES SYNDICATE, INC. Renewed February 12, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

180,302. **PEEK-IN.** CANDY. Registered February 26, 1924. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed February 26, 1944.

180,717. **ACTA.** BAKING POWDER. Registered March 4, 1924. FRANK C. VANDERBOGET. Renewed March 4, 1944, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

180,727. **"F" AND DESIGN.** VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER AND RUBBER TUBES THEREFOR. Registered March 4, 1924. THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Renewed March 4, 1944, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

180,853. **SMOOTH O FOAM.** LIQUID SOAP. Registered March 11, 1924. UNITED SANITARY PRODUCTS COMPANY INC., New York, N. Y. Renewed March 11, 1944, to Benjamin Newman, doing business as Creco Company, Long Island City, N. Y., successor.

180,880. **SUGAR PLUMS.** CANDIES. Registered March 11, 1924. RIDLEY'S, THE OLD CHAMBERS STREET CANDY MANUFACTORY, Long Island City, N. Y. Renewed March 11, 1944, to The Metro Chocolate Co., Inc., Brooklyn, N. Y., a corporation of New York, successor.

181,039. **BETSY ROSS.** COFFEE, OLIVE OIL, AND SUGAR. Registered March 11, 1924. THE AKRON GROCERY CO. Renewed March 11, 1944, to Akron Wholesale Coffee Company, Akron, Ohio, a partnership, assignee.

181,165. **"CONTINENTAL OAK" AND DRAWING.** SOLE LEATHER. Registered March 11, 1924. THOMAS COVER, JR., doing business as Cover & Company. Renewed March 11, 1944, to Cover & Company, Philadelphia, Pa., a firm, assignee.

181,238. **"IT PAYS" AND DRAWING.** MINERAL MIXTURE USED AS TONIC FOR SWINE. Registered March 18, 1924. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Renewed March 18, 1944.

182,151. **MOUNTAIN ROSE.** WHEAT FLOUR. Registered April 1, 1924. THE COLORADO MILLING & ELEVATOR COMPANY, also doing business as The Denver Flour Mills, Hungarian Branch, Denver, Colo., a corporation of Colorado. Renewed April 1, 1944.

182,701. **"JERSEY PEACH" AND DRAWING.** DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. Registered April 15, 1924. PHILLIPS-JONES CORPORATION, New York, N. Y., a corporation of New York. Renewed April 15, 1944.

182,759. **NYMPHORM.** LADIES', MISSES', AND CHILDREN'S MUSLIN, SILK, AND FLANNELETTE UNDERGARMENTS IN ONE, TWO, AND THREE PIECE ITEMS. Registered April 15, 1924. MITCHELL BROS. INC., New York, N. Y., a corporation of New York. Renewed April 15, 1944.

183,014. **COLLINS' WALNETTOS.** CANDIES. Registered April 22, 1924. J. N. COLLINS COMPANY, Minneapolis, Minn. Renewed April 22, 1944, to Peter Paul, Inc., Naugatuck, Conn., a corporation of Delaware, successor.

183,168. **REPRESENTATION OF AN ARABIAN MAN.** COFFEE AND COFFEE SUBSTANTIALLY FREED OF CAFFEIN. Registered April 22, 1924. COFFEE PRODUCTS CORPORATION. Renewed April 22, 1944, to General Foods Corporation, New York N. Y., a corporation of Delaware, assignee.

183,207. **LYRIC.** SPOOL COTTON. Registered April 22, 1924. W. WARREN THREAD WKS., Westfield, Mass. Renewed April 22, 1944, to W. Warren Thread Works, Inc., New York, N. Y., a corporation of Massachusetts.

183,211. **OLD MONK.** GINGER ALE, ORANGE, LEMON, LIME, AND PUNCH, ALL BEING NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered April 22, 1924. SOUTHWESTERN COCA-COLA BOTTLING CO., Deming, N. Mex. Renewed April 22, 1944, to Old Monk Punch Company, El Paso, Tex., a corporation of Arizona, assignee.

183,462. **GANISAND.** REFRACTORY LININGS FOR FURNACE STRUCTURES. Registered April 29, 1924. QUIGLEY FURNACE SPECIALTIES COMPANY, INC. Renewed April 29, 1944, to Quigley Company, Inc., New York, N. Y., a corporation of New York, by change of name.

183,600. **"JERSEY PEACH" AND DRAWING.** SILK PIECE GOODS, COTTON PIECE GOODS, AND SILK AND COTTON PIECE GOODS. Registered May 6, 1924. PHILLIPS-JONES CORPORATION, New York, N. Y., a corporation of New York. Renewed May 6, 1944.

183,656. **BOUQUET DES AMOURS.** SOAPS—NAMELY, SOAP IN CAKE FORM, SOAP PASTES, AND SOAP POWDERS. Registered May 6, 1924. PARFUMERIE ROGER ET GALLET, S. A., Paris, France, a corporation of France. Renewed May 6, 1944.

183,984. **"ORANGE LAKE" AND DESIGN.** FRESH CITROUS FRUITS. Registered May 13, 1924. THE CROSBY-WARTMANN PACKING CO., Citra, Fla., a corporation of Florida. Renewed May 13, 1944.

184,123. **CELASTOID.** SHEETS, BANDS, FILMS, RODS, AND TUBES MADE WHOLLY OR PRINCIPALLY OF CELLULOSE DERIVATIVES. Registered May 20, 1924. BRITISH CELLULOSE AND CHEMICAL MANUFACTURING COMPANY, LIMITED, now by change of name British Celanese Limited, London, England. Renewed May 20, 1944, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, assignee.

184,199. **BOUQUETS DES AMOURS.** PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. Registered May 20, 1924. PARFUMERIE ROGER ET GALLET, S. A., Paris, France, a corporation of France. Renewed May 20, 1944.

184,237. **ETERNAL.** WATERPROOF BUILDING PAPER. Registered May 20, 1924. J. J. WHITE PAPER COMPANY, Canton, Mass., a corporation of Massachusetts. Renewed May 20, 1944.

184,476. **TOPS-ALL.** WHEAT FLOUR. Registered May 27, 1924. MINNEAPOLIS MILLING CO. Renewed May 27, 1944, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

184,477. **REPRESENTATION OF A LITTLE GIRL.** WHEAT FLOUR. Registered May 27, 1924. MINNEAPOLIS MILLING CO. Renewed May 27, 1944, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

184,596. **COLOBROMIDINE.** LIQUID IODINE AND BROMINE PREPARATION. Registered May 27, 1924. HARRY J. NOVAK, Philadelphia, Pa. Renewed May 27, 1944.

184,668. **MISS MINNEAPOLIS.** WHEAT FLOUR. Registered May 27, 1924. MINNEAPOLIS MILLING CO. Renewed May 27, 1944, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

184,694. **MINUTE.** FRESH TROPICAL FRUITS—NAMELY, PINEAPPLES, GRAPEFRUIT, AND ORANGES. Registered May 27, 1924. MINUTE TAPIOCA COMPANY. Renewed May 27, 1944, to Minute Tapioca Company, Inc., Orange, Mass., a corporation of Massachusetts, assignee.

184,762. **PHILLIPSCLOTH.** COTTON PIECE GOODS. Registered June 3, 1924. PHILLIPS-JONES CORPORATION, New York, N. Y., a corporation of New York. Renewed June 3, 1944.

184,863. **U-FIN.** FIN-TURE HEAT EXCHANGERS—NAMELY, AIR HEATERS, AIR COOLERS, MOTOR COOLERS, GENERATOR COOLERS, AND CONDENSERS. Registered June 3, 1924. THE GRISCOM-RUSSELL COMPANY, New York, N. Y., a corporation of Delaware. Renewed June 3, 1944.

184,892. **66 ALUNDUM.** ABRASIVE PRODUCTS—NAMELY, POLISHING GRAIN, SHARPENING AND ABRADING STONES, AND GRINDING, POLISHING AND CUTTING WHEELS. Registered June 3, 1924. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed June 3, 1944.

184,893. **38 ALUNDUM.** ABRASIVE PRODUCTS—NAMELY, POLISHING GRAIN, SHARPENING AND ABRADING STONES, AND GRINDING, POLISHING, AND CUTTING WHEELS. Registered June 3, 1924. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed June 3, 1944.

185,101. **LATH O WELL.** LIQUID SOAP. Registered June 10, 1924. UNITED SANITARY PRODUCTS COMPANY INC., New York, N. Y. Renewed June 10, 1944, to Benjamin Newman, doing business as Creco Company, Long Island City, N. Y., successor.

185,110. **WHITE RIBBON.** SOAP. Registered June 10, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 10, 1944.

185,165. **REVELATION.** SMOKING TOBACCO. Registered June 10, 1924. CONTINENTAL TOBACCO COMPANY, INC. Renewed June 10, 1944, to Philip Morris & Co. Ltd. Incorporated, New York, N. Y., a corporation of Virginia, assignee.

185,171. **TEA TIME.** BREAD. Registered June 10, 1924. THE H. PIPER CO., Chicago, Ill., a corporation of Illinois. Renewed June 10, 1944.

185,217. **MANRU.** COFFEE. Registered June 10, 1924. SCHREIBER PRODUCTS CORPORATION. Renewed June 10, 1944, to Schreiber Brewing Company, Inc., Buffalo, N. Y., a corporation of New York, by change of name.

185,246. **"SOUTH SEA CREPE" AND DRAWING.** SILK PIECE GOODS, COTTON PIECE GOODS, AND SILK AND COTTON PIECE GOODS. Registered June 10, 1924. PHILLIPS-JONES CORPORATION, New York, N. Y., a corporation of New York. Renewed June 10, 1944.

185,327. **IMPERIAL.** FRESH CITROUS FRUITS. Registered June 10, 1924. W. L. BENCHLEY, doing business as Benchley Fruit Co. Renewed June 10, 1944, to Eadington Fruit Co., Fullerton, Calif., a corporation of California, assignee by mesne assignments.

185,397. **"LASSEN'S PERFECTION" AND DRAWING.** WHEAT FLOUR. Registered June 17, 1924. THE KANSAS MILLING COMPANY, Wichita, Kans., a corporation of Kansas. Renewed June 17, 1944.

185,477. **SPARKLE BAND.** HOSIERY. Registered June 17, 1924. CHIPMAN KNITTING MILLS, Easton, Pa. Renewed June 17, 1944, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

185,516. **BONE DRY.** STORAGE BATTERIES. Registered June 17, 1924. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio, a corporation of West Virginia. Renewed June 17, 1944.

185,527. **IRV-O-SLOT.** ELECTRICAL INSULATION MATERIAL—TO WIT, FLEXIBLE LAMINATE SHEET MATERIAL MADE OF TEXTILE FABRIC AND FIBROUS PAPER WITH AN INTERMEDIATE LAYER OF NON-DRYING PLASTIC COMPOUND HAVING DIELECTRIC PROPERTIES. Registered June 17, 1924. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Renewed June 17, 1944.

185,675. **NACO.** BAGS OF METAL MESH, SILK OR LEATHER, WITH METAL FRAMES, VANITY CASES, CIGARETTE CASES, FLASKS, POWDER OR ROUGE CASES, COIN CASES, CARD CASES, MATCH CASES, LIP-SALVE CONTAINERS, BELT BUCKLES, AND OTHER CERTAIN NAMED GOODS, ALL MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. Registered June 24, 1924. THE NAPIER COMPANY, Meriden, Conn., a corporation of Connecticut. Renewed June 24, 1944.

185,743. **AMBASSADOR.** IMPORTED FRENCH GRUYÈRE CHEESE. Registered June 24, 1924. GERBER & CO., INC., New York, N. Y., a corporation of New York. Renewed June 24, 1944.

185,745. **"RED LILY" AND DRAWING.** COFFEE AND TEA. Registered June 24, 1924. MARTIN L. HALL COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed June 24, 1944.

185,760. **PHILLIPSCLOTH.** WAISTS, DRESS SHIRTS, NEGLIGEE SHIRTS, VESTS, CAPS, BOYS' BLOUSES, AND MEN'S SUITS. Registered June 24, 1924. PHILLIPS-JONES CORPORATION, New York, N. Y., a corporation of New York. Renewed June 24, 1944.

185,776. **"N" IN AN OVAL.** BAGS OF METAL MESH, SILK, OR LEATHER WITH METAL FRAMES, VANITY CASES, CIGARETTE CASES, FLASKS, POWDER OR ROUGE CASES, COIN CASES, CARD-CASES, MATCH CASES, LIP-SALVE CONTAINERS, BELT BUCKLES, AND OTHER CERTAIN NAMED GOODS, ALL MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. Registered June 24, 1924. THE NAPIER COMPANY, Meriden, Conn., a corporation of Connecticut. Renewed June 24, 1944.

185,880. **C B SLATER.** MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, RUBBER, OR TEXTILE MATERIAL. Registered June 24, 1924. C. B. SLATER COMPANY, South Braintree, Mass., a corporation of Massachusetts. Renewed June 24, 1944.

185,884. **PYROCHROME.** COMBINATION OF CHEMICAL MATERIALS WHICH HAS THE PROPERTY OF CHANGING COLOR WHEN IT REACHES A PARTICULAR TEMPERATURE. Registered June 24, 1924. THE ENGINEERING PRODUCTS CORPORATION, INCORPORATED, New York, N. Y., a corporation of New York. Renewed June 24, 1944.

186,021. **BLONDEX.** HAIR SHAMPOO AND HAIR WASHES. Registered July 1, 1924. ROBERT ROUTH, doing business as Swedish Litehair Shampoo Company, New York, N. Y., assignor to Guaranteed Products, Inc. Renewed July 1, 1944, to Guaranteed Products, Inc., Long Island City, N. Y., a corporation of New York, assignee.

186,037. **SPEEDWELL.** FRESH MILK AND CREAM, CHEESE, COTTAGE CHEESE, BUTTER, AND ICE CREAM. Registered July 1, 1924. LYNDONVILLE CREAMERY ASSOCIATION, Lyndonville, Vt., a corporation of Vermont. Renewed July 1, 1944.

186,108. **SONGALOGUE.** SONG AND STORY LEAFLETS OR BOOKLETS WHICH ARE A COMBINATION OF SONG AND STORY. Registered July 1, 1924. TULLAR-MEREDITH CO., New York, N. Y., a corporation of New York. Renewed July 1, 1944.

186,149. **"L. C. SMITH BEARINGS CO." AND DESIGN.** BALL, ROLLER, AND THRUST BEARINGS, AND STEEL BALLS, AND CONNECTING ROD AND CRANK-SHAFT BEARINGS. Registered July 1, 1924. L. C. SMITH BEARINGS CO., Chicago, Ill., a corporation of Illinois. Renewed July 1, 1944.

186,300. **"PRIZE BRAND" AND DESIGN.** FRESH FRUITS—VIZ, ORANGES, LEMONS, APPLES, PEARS, CANTALOUPES, AND FRESH VEGETABLES—VIZ, ASPARAGUS. Registered July 8, 1924. HUNT, HATCH & CO., Oakland, Calif., a corporation of California. Renewed July 8, 1944.

186,344. **BIG 4.** TOILET SOAP, LAUNDRY SOAP, AND WASHING POWDER. Registered July 8, 1924. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Renewed July 8, 1944.

186,353. **"SOUTH SEA CREPE" AND DRAWING.** DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. Registered July 8, 1924. PHILLIPS-JONES CORPORATION, New York, N. Y., a corporation of New York. Renewed July 8, 1944.

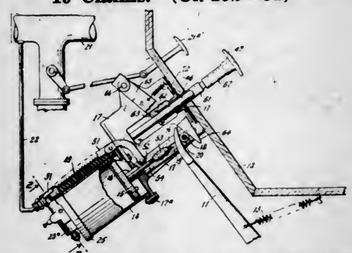
186,379. **STYLUS.** HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. Registered July 1, 1924. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y., a corporation of New York. Renewed July 8, 1944.

186,385. **FLEXOR.** HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. Registered July 8, 1924. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y., a corporation of New York. Renewed July 8, 1944.

186,403. **"POPPY" AND DRAWING.** FRESH CITROUS FRUITS. Registered July 8, 1924. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif., a corporation of California. Renewed July 8, 1944.

186,434. **"MARIPOSA DE ORO" AND DRAWING.** WHEAT FLOUR. Registered July 8, 1924. MINNEAPOLIS MILLING COMPANY. Renewed July 8, 1944, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

22,451
CONTROL MECHANISM
Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.
Original No. 2,225,682, dated December 24, 1940, Serial No. 725,167, May 11, 1934. Application for reissue October 2, 1942, Serial No. 460,575
19 Claims. (Cl. 192—91)



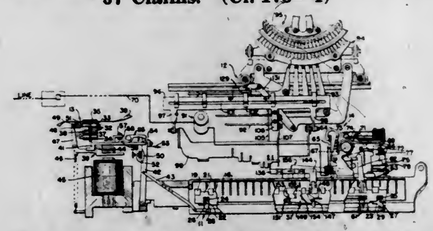
1. Apparatus of the character described comprising a power device connected to an operating member of a motor vehicle clutch having a normal bias to operative position, a control device for rendering the power device operative to move the clutch elements to inoperative position and releasable to permit the clutch elements to return to normal position, and automatic means rendered operative as the elements of the clutch approach operative position for retarding the movement of such elements, said control device including an element controllable to render said automatic means substantially ineffective for retarding the clutch elements.

22,452
METHOD OF MAKING POWDERED IRON
Frank O. Clements, Westerville, Ohio, and Robert H. Terry and Donald J. Henry, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original No. 2,164,198, dated June 27, 1939, Serial No. 206,234, May 5, 1938. Application for reissue June 14, 1940, Serial No. 340,622
21 Claims. (Cl. 75—22)



3. The method of making powdered iron which consists in preparing iron in the form of pieces of small thickness, carburizing the pieces all the way through, rapidly cooling them to make them brittle, and breaking them up into particles of the desired size and annealing the particles to make them relatively soft and briquettable.

22,453
PRINTING TELEGRAPH APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original No. 2,253,532, dated August 26, 1941, Serial No. 212,038, June 6, 1938. Application for reissue May 16, 1942, Serial No. 443,298
37 Claims. (Cl. 178—4)



35. In a telegraph system, a keyboard controlled signal transmitter normally operative to transmit a single code group of impulses on each actuation of a key lever, a recording mechanism selectively responsive to code groups of impulses transmitted from said transmitter, key lever controlled means for initiating the transmission of a succession of code groups and means including said receiving mechanism for terminating the transmission of said succession of code groups.

22,454
CARBON BLACK AND THE PROCESS OF MAKING SAME
William B. Wiegand, Old Greenwich, Conn., and Louis J. Venuto, New York, N. Y., assignors to Binney & Smith Co., New York, N. Y., a corporation of New Jersey
No Drawing. Original No. 1,889,429, dated November 29, 1932, Serial No. 237,330, December 2, 1927. Application for reissue January 6, 1943, Serial No. 471,496
8 Claims. (Cl. 23—209.2)

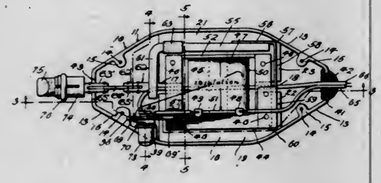
1. Substantially pure carbon black in the form of round smooth-surfaced aggregates less than one-quarter of an inch in diameter, free from binders and porous throughout in such degree that approximately twice the number of pounds of aggregates of fairly uniform size can be placed in a container of a given size than is the case with the untreated carbon black.

3. The process of treating carbon black which includes the steps of mixing the carbon black with a liquid to form a very thin paste, adding a second liquid in smaller amount and which is immiscible with the first liquid, agitating, separating the carbon black and second liquid from the first liquid, and then separating the carbon black and the second liquid.

PATENTS

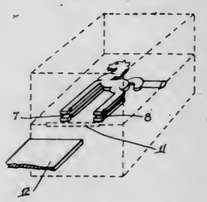
GRANTED MARCH 7, 1944

2,343,237
ELECTRIC ERASER
John H. McElroy, Pearl River, and Fred W. Kalkhuis, Orangeburg, N. Y.
Application September 16, 1943, Serial No. 502,680
12 Claims. (Cl. 120—36)



11. In an electric eraser, a support to be held in the hand and moved toward the work, an electric motor mounted upon the support and including a reciprocatory part, and a resilient element mounted upon the reciprocatory part, said resilient element being flexible in the direction of movement of the reciprocatory part, said resilient element having means for holding an eraser.

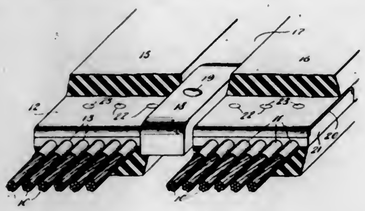
2,343,238
METHOD OF PRODUCING ARTICLES FROM THERMOPLASTIC MATERIAL
Daniel T. Manning and William T. Manning, Jr., Rochester, N. Y.
Application December 31, 1940, Serial No. 372,588
1 Claim. (Cl. 18—58)



The method of producing a cast figure from thermo plastic material which consists in casting a substantially flat thin body of substantially uniform thickness having spaced projecting portions, then making plastic the junctions of the projecting portions of the figure with the body of the figure by the application of heat at said junctions and bending said portions at said junctions transversely to the body and away from each other to complete the figure.

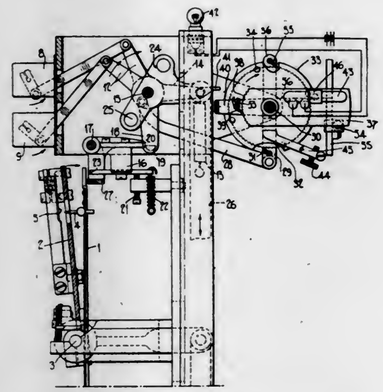
2,343,239
TRACK FOR SELF-LAYING TRACK VEHICLES
Robert Mayne, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 9, 1942, Serial No. 442,295
10 Claims. (Cl. 305—10)

1. In a track for self-laying track-type vehicles in which laterally spaced reaches of flexible cable extend along the track, a composite cross-bar comprising a metallic backing member and a facing of cast metal thereon having recesses in an exposed face thereof for accommo-



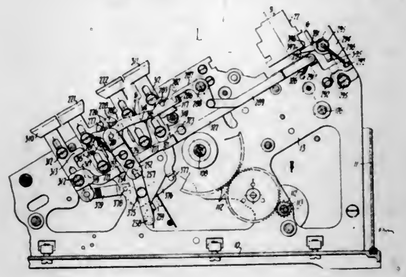
dating the cable reaches, said facing including means integral therewith interlocked with said backing.

2,343,240
CIGARETTE MAKING MACHINE
Desmond Walter Molins and Cyril Best, Deptford, London, England, assignors to Molins Machine Company Limited, Deptford, London, England
Application May 21, 1941, Serial No. 394,542
In Great Britain June 18, 1940
4 Claims. (Cl. 177—311)



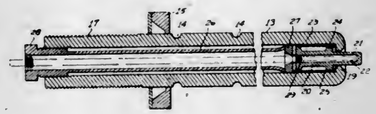
1. Signalling equipment for use with apparatus for testing articles to determine the conformity thereof with a standard and desired characteristic of such articles, comprising a device movable step by step from a first position toward a second position, means connecting said apparatus to said device to impart one step of movement to the latter on the testing by said apparatus of a non-conforming article, signalling means operable by said device on the completion of movement thereof to said second position, means operable by said apparatus for restoring said device to said first position on the completion by said apparatus of a predetermined number of tests of articles, and means for retaining said signalling means in operation when rendered operable by said device irrespective of restoration of said device to said first position.

2,343,241
CALCULATING MACHINE
John L. Moody, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application July 23, 1938, Serial No. 220,982
13 Claims. (Cl. 235—63)



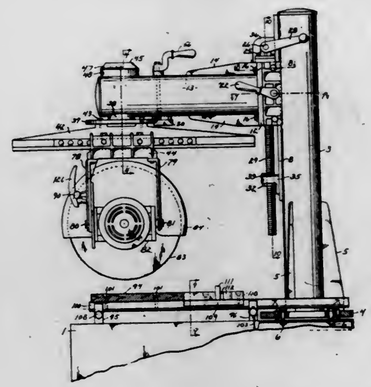
1. In a calculating machine, a register carriage mounted for endwise shifting movement, shift means for said register carriage, drive means for said shift means, a key for initiating operation of said drive means and controlling operation of said shift means to move said register carriage to a predetermined position if displaced therefrom, means for latching said key in drive initiating position, means for interrupting operation of said drive means with said register carriage in said predetermined position and with said key held in operative position, and means controlled by said register carriage for disabling said latching means when the register carriage is in said predetermined position, whereby to prevent latching of said key in said operative position with said register carriage in said predetermined position.

2,343,242
MOUNTING FOR THERMOSENSITIVE ELEMENTS
Harry H. Richmond, Portland, Oreg., assignor to Electric Steel Foundry Company, Portland, Oreg., a corporation of Oregon
Application October 9, 1941, Serial No. 414,329
7 Claims. (Cl. 136—4)



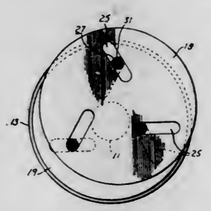
1. A wall mounting for a thermo-sensitive element comprising a thick walled elongated tubular housing of sufficient length to extend to within a processing chamber and having an inner end and an outer end, an inturned flange defining an aperture adjacent the inner end, a relatively short tubular receptacle arranged within the inner end of said housing for receiving a thermo-sensitive element, said receptacle having a closed end portion extending through said aperture and an annular flange, a heat insulator arranged between and separating said receptacle from said housing and extending between said flanges for sealing the interior of said housing from said chamber, and means removably attached to the housing and extending into the outer end of said housing for clamping said receptacle against said inturned flange.

2,343,243
POWER OPERATED MACHINE TOOL
Ralph R. Roemer, Cleveland, Ohio
Application July 31, 1940, Serial No. 348,943
5 Claims. (Cl. 143—6)



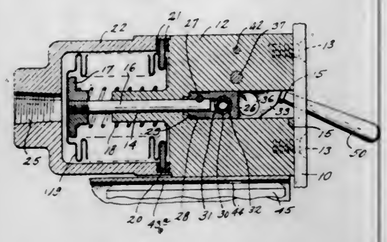
4. In a machine tool, a frame; a laterally extending arm on the frame supporting a horizontal trackway; a tool reciprocable on the trackway; means to support the trackway on the arm to rotatably swing in a horizontal plane to adjust its position, and to lock it in any adjusted position, comprising a vertical stem connected to the trackway; a disc connected to the trackway, and co-axial with the stem, and below the arm; the arm being provided with a vertical bearing bore, and the stem being rotatably mounted in the bore; a screw extending through the arm and rotatably supported therein; a handle on the screw above the arm for turning the screw; a clamp device below the arm operable by the screw to grip the disc to lock it against rotation upon turning the screw by the handle.

2,343,244
MECHANICAL MOVEMENT
Henry Lasenby Rose, Burlington, Ontario, Canada
Application July 20, 1942, Serial No. 451,637
In Canada June 29, 1942
4 Claims. (Cl. 64—31)



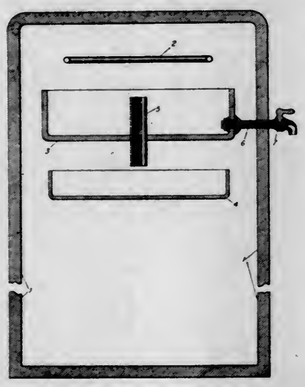
1. In combination a pair of shafts, said shafts having adjacent ends, a disc fixed on the adjacent end of each shaft having slots therein extending from the central portion of the disc outwardly toward the rim of the disc, the slots on one disc intersecting the slots on the other disc at an acute angle, and pins extending through the intersecting slots.

2,343,245
PRESSURE SWITCH STRUCTURE
Howard A. Satterlee, Cleveland, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application October 19, 1942, Serial No. 462,587
18 Claims. (Cl. 200—83)



1. In a pressure switch structure, a pressure-operated element, a pair of stops, a switch operating element movable between said stops, and detent means of coaction between said pressure-operated element and said switch operating element comprising a spring-pressed pin carried by one of said elements, and the other element having a series of three depressions to receive said pin, the center one of said depressions being sufficiently deep to cause said pressure-operated element to carry said switch operating element with it as the pressure-operated element moves, and the other two of said depressions being sufficiently shallow to permit said spring-pressed pin to ride out of them upon the pressure-operated element moving when the switch operating element is stopped by one of said stops.

2,343,246
DEFROSTING AND FROST PREVENTION
Milton S. Schechter and Herbert L. J. Haller, Washington, D. C.
Application August 31, 1940, Serial No. 354,949
15 Claims. (Cl. 62—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

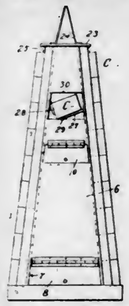


1. In combination with a refrigeration system having an evaporator unit, said evaporator being disposed in a compartment, a vessel beneath said unit to catch drippings therefrom, another vessel in the compartment at a region normally warmer than the evaporator containing a volatile water-miscible liquid.

2,343,247
UREA-FORMALDEHYDE COMPOSITION
John Kenson Simons, Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application March 27, 1943, Serial No. 480,849
4 Claims. (Cl. 260—9)

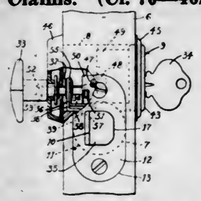
2. A thermosetting composition comprising a urea-formaldehyde reaction product, cellulosic material and a latent curing catalyst selected from the class consisting of phenyl diamido phosphate, cresyl diamido phosphates and xylenyl diamido phosphates.

2,343,248
COMBINED DISPLAY RACK, OIL SAVER, AND WASTE CAN RECEPTACLE
Harvey J. Smith, Danville, Va., assignor to W. Ira Barker, Danville, Va.
Original application September 19, 1940, Serial No. 357,475. Divided and this application April 9, 1943, Serial No. 482,442
2 Claims. (Cl. 221—69)



1. In apparatus of the character described, a receptacle having front, back and side walls, one of said walls having an opening, an inclined rollway in alignment with said opening and constructed to receive and retain a plurality of used cans side by side at the same time, and a can end engaging plate, said plate and said rollway having between them an oil discharge opening, the arrangement being such that a first can placed on the rollway will be discharged therefrom by a last can placed on the rollway when the rollway is full, the placing of a can on the rollway resulting in pushing or rolling the other cans along the rollway.

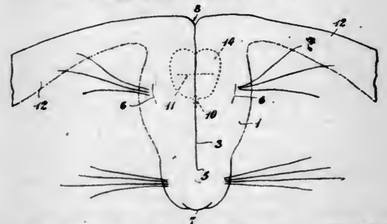
2,343,249
DOOR LOCK
Matthew Spinello, Rockford, Ill.
Application April 6, 1942, Serial No. 437,774
15 Claims. (Cl. 70—462)



1. In a device of the character described, the combination of a casing, a bolt supported in the casing for endwise movement, a spring actuated catch pivoted in the casing and arranged to have locking engagement with the bolt under spring

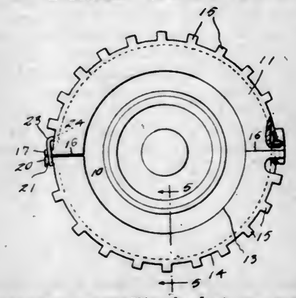
pressure in different positions of endwise movement of the bolt, a cam plate having a lost motion connection with the bolt and adapted to move the same endwise in either direction, said cam plate having cam surfaces provided thereon arranged to have sliding engagement with the catch to release the same in the free movement of the cam plate relative to the bolt, and manually operable means connected with the cam plate for moving the bolt endwise through the medium of the cam plate.

2,343,250
BRAIN OBTENTION
Norbert H. Vollé, Cincinnati, Ohio, assignor to The Kroger Food Foundation, Cincinnati, Ohio
Original application July 27, 1940, Serial No. 348,061. Divided and this application August 1, 1942, Serial No. 453,274
7 Claims. (Cl. 17—45)



1. The method of obtaining a complete and uninjured animal brain which comprises stunning the animal with a blow insufficient to crush the skull, severing the skin and fur along the median line of the head to a point beyond the eyes and approaching the nose, rendering an incision of the skull along said median line to a point substantially between the eyes, rendering a horizontal incision of the skull substantially bisecting said median line incision, exerting a substantial force on the ears of the rabbit in opposing directions to open the skull, and inverting the open skull to permit the brain to emerge from its cavity.

2,343,251
NONSKID TWO-PIECE METAL JACKET
Louis Aaron Beard, Silsbee, Tex.
Application October 21, 1942, Serial No. 462,861
1 Claim. (Cl. 152—57)

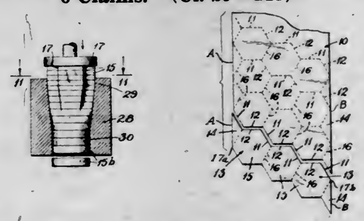


A protective metallic jacket or resilient tire, the jacket comprising two sections having an arcuate interior fitting the exterior peripheral surface of the tire, said jacket being in two sections, contacting cleats at one joint of the sections, screw means joining said cleats, projections of the cleats extending in opposite directions peripherally of the tire between the fastening means, a cleat on one of the sections at the other joint having openings therethrough, a cleat on the opposed section contacting the latter cleat and of less width than the width of the jacket, the last mentioned cleat being undercut, and a U-shaped latch on one of the sections passing through the openings and engaging the undercut of the last mentioned cleat.

2,343,252
FLUORO-HALOGENO COMPOUNDS
Anthony F. Benning, Woodstown, N. J., assignor to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1941, Serial No. 379,473
11 Claims. (Cl. 260—653)

1. An addition process for the manufacture of fluoro-halogeno hydrocarbons which comprises reacting hydrogen chloride with a fluoro olefine in the presence of a catalyst comprising a manganese phosphate at elevated temperature and at superatmospheric pressure.

2,343,253
METHOD OF PREPARING BLANKS FOR PRODUCING CONTAINERS SUCH AS METALLIC CARTRIDGE CASES OR THE LIKE
Walter R. Clark, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application February 12, 1941, Serial No. 378,592
6 Claims. (Cl. 29—148)



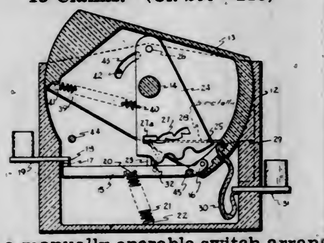
1. That improvement in the preparation of metallic blanks for the production of casings comprising providing sheets of metal, dividing said sheets into strips along zigzag lines defining outer edges of a plurality of hexagons arranged adjacent each other in echelon, separating individually hexagonally shaped blanks from said strips, so that in each strip one apex only of each of the two outermost blanks separated therefrom lies in its respective marginal edge of said strip, while the edges of said blanks adjacent respective of said apices are at an angle with the respective marginal edges of said strip, and operating on each of said hexagonal blanks individually to cause metal from the blank to fill out the straight edges of the hexagon and transform the said blank into one having a substantially circular perimeter.

2,343,254
PROCESS FOR RECOVERING RIBOFLAVIN FROM ADSORBATES
Julian K. Dale, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 2, 1940, Serial No. 350,113
8 Claims. (Cl. 167—81)

1. In a process for obtaining riboflavin concentrates of high potency from concentrated solu-

tions thereof, the steps which comprise adsorbing the riboflavin from the solution on an inorganic adsorbent, separating the adsorbate from the body of the solution, and subjecting the said adsorbate to desorption with an agent containing as a major constituent, a hydroxy compound chosen from the class consisting of lower polyhydric alcohols and partially-etherified lower polyhydric alcohols.

2,343,255
SWITCH
Lawrence E. Fisher, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application December 15, 1941, Serial No. 423,117
15 Claims. (Cl. 200—116)

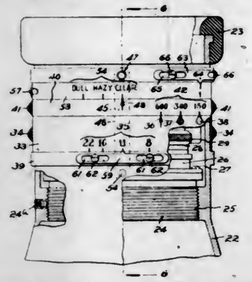


10. In a manually operable switch arranged for opening automatically on a circuit abnormality and for automatically reclosing a limited number of times, a movable contact, a toothed ratchet cam for controlling its position, a circuit responsive pawl for engaging the ratchet teeth and thus holding the cam, means for biasing the cam to advance through a complete stroke, step by step, between successive releases and reholds thereof by the pawl, until cam advance is terminated with the pawl holding it at the end of its advance, the contact being repeatedly moved to open and closed positions by the advancing cam, manually operable means for moving the contact manually to open and closed positions and for returning the cam from the point where the pawl holds the cam at the end of cam advance to the point where the pawl holds the cam at the beginning of cam advance, the parts being so formed that a single movement of the manual means is required to return the cam to the starting point of its advance stroke, the cam, pawl, and contact being so formed that the contact is held in open circuit position by the cam when the latter is at either end of its advance stroke, and means constantly biasing the contact to closed position and adapted to be overcome by certain of the steps of the cam advance stroke.

2,343,256
PROCESS FOR THE CONDENSATION OF MONONITROALKANES AND ALIPHATIC KETONES
Henry B. Hass, West Lafayette, Ind., and James F. Bourland, Martinsville, N. J., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 25, 1941, Serial No. 408,207
6 Claims. (Cl. 260—644)

1. In a process for the condensation of nitromethane with a ketone of the group consisting of aliphatic ketones and alicyclic ketones, the step which comprises effecting said condensation in the presence of at least 5 mole per cent of an amine having a dissociation constant in water in excess of 1×10^{-7} and at a temperature ranging from about 80° to 125° C.

2,343,257
EXPOSURE GUIDE FOR PHOTOGRAPHIC CAMERAS, PARTICULARLY AERIAL CAMERAS
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application March 12, 1942, Serial No. 434,356
25 Claims. (Cl. 95—64)



2. In combination, a photographic exposure guide and a correlated aerial camera, said camera having a lens cone with a movable lens diaphragm operating ring therein, said exposure guide being mounted exteriorly upon the lens cone in the vicinity of the lens diaphragm operating ring, and consisting of several co-related members all movably mounted, and one of said members being operatively connected to said lens diaphragm operating ring, each of said members carrying indicia and an index, all said members being mounted in respective edge-to-edge relation and guided in their movements upon the surface of said lens cone and being relatively movable along each other lengthwise of said respective edges, to bring such indicia markings and indices thereon into the desired accord.

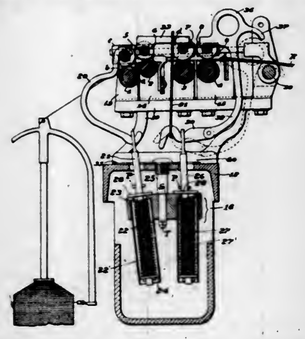
2,343,258
METHOD OF OBTAINING HIGH LUSTER UPON AND PRESERVATION OF FRUITS AND VEGETABLES
James F. Hussey, Cynwyd, Pa., assignor to Brunhilde Weller Skinner, Dunedin, Fla.
No Drawing. Application August 3, 1940, Serial No. 351,272
17 Claims. (Cl. 99—168)

1. A method of imparting a lustrous finish to the skin or rind of fruits or vegetables, comprising covering the fruit with a non-aqueous continuous substantially water-impervious coating comprising a non-toxic substantially translucent carrier selected from the group consisting of paraffin wax and spermaceti and constituting the continuous phase having dispersed therein a finely divided solid light-reflecting agent, whereby a lustrous appearance is imparted to the fruit due to the reflection of the light by said reflecting agent and whereby also dehydration of the fruit is prevented by the water impervious film of the carrier.

2,343,259
DRAWING MECHANISM FOR SPINNING AND ROVING FRAMES
Robert M. Jones, Biddeford, and Virgil A. Burnham, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application November 25, 1939, Serial No. 306,064
7 Claims. (Cl. 19—135)

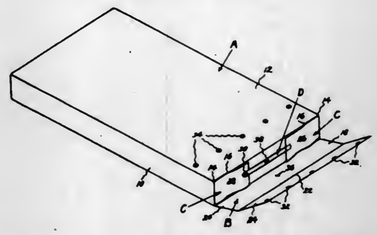
1. In a drawing mechanism for spinning frames, the combination with a series of pairs

of top and bottom rolls and a roll stand supporting them for operation successively on a strand of roving, during which they feed the roving continuously through the entire series; of weighting mechanism for the top rolls of said drawing mechanism comprising a spring weighting unit including two compression springs disposed in approximately upright positions, a supporting bracket for said springs, two rods connected, respectively, with the lower ends of said springs and extending upwardly through them



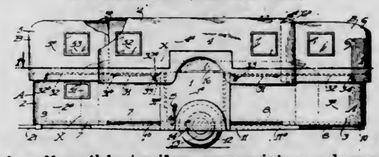
to points above the bracket, and means for limiting the movements of said rods relatively to said bracket; means for releasably securing said unit to the machine frame at a point immediately under said drawing mechanism, a weight hook releasably connecting the upper front top roll with one of said rods, and additional weighting elements for the top rolls behind said front roll including a plurality of hangers and an equalizing element connecting them and, in turn, connected with the other rod of said weighting unit.

2,343,260
MATTRESS COVER
Zeleg Leader and Sophia Leader, New York, N. Y.
Application July 9, 1940, Serial No. 344,559
1 Claim. (Cl. 5—354)



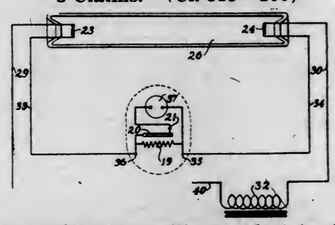
In a fabric cover for mattresses and the like comprising a rectangular casing having top, bottom and side walls defining an end opening, extensions of said side walls forming side flaps, said side flaps being folded over said end opening and having their upper edges stitched to said top wall from the fold inwardly for part of their length, a cross-tie member having one end fastened to one of said side flaps and having the other end detachably connected to the other side flap, whereby to hold said side flaps in folded position over the end opening, an extension of the bottom wall forming an end flap, said end flap being proportioned and arranged to overlap the end opening and the top wall and to enclose the folded side flaps, fastening means located centrally of said tie member detachably to secure said tie member to the overlying end flap and means detachably to secure to the top wall the overlapping portion of the end flap.

2,343,261
COLLAPSIBLE TRAILER
Ernest H. Marple, San Diego, Calif.
Application August 11, 1941, Serial No. 406,251
12 Claims. (Cl. 296—23)



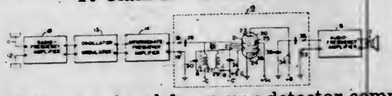
1. A collapsible trailer, comprising a lower and an upper telescoping unit, each consisting of a center section and end sections, the latter being slideably mounted with respect to the walls of the center sections, and the sections of the upper unit being slideably mounted over the corresponding sections of the lower unit, the side walls being substantially rigid with respect to the several sections, and substantially enclosing the trailer when collapsed or when expanded.

2,343,262
ELECTRIC DISCHARGE LAMP STARTING DEVICE
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application November 1, 1941, Serial No. 417,544
3 Claims. (Cl. 315—100)



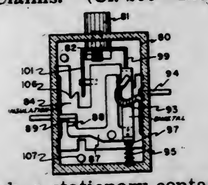
1. In combination with an electric discharge lamp and operating circuit therefor, a starting unit including: a switch, for relatively fast repetitive operation in a series of attempts to start said lamp, comprising heating means and a thermally responsive switch member in such arrangement that repetitive full energizations of said heating means consistently and continually cause said switch member to close said switch in like repetition; and a second switch, separate, distinct, and spaced from said repetitive switch, for relatively slow operation to automatically terminate said repetitive operation of said repetitive switch and thereafter, upon deenergization of said circuit, to automatically reset itself to again permit said repetitive starting attempts; said second switch including a contact and a thermally responsive switching arm arranged to remain in closed relation with each other with the switching arm unmoved during a plurality of said repetitive starting attempts, and to thereafter separate to break a lead to said repetitive switch and terminate the operation thereof, and a heating element, in operative relation with said switching arm to automatically cause said separation, and in shunt with a series arrangement comprising said thermal arm, said contact, and said repetitive switch.

2,343,263
CARRIER-SIGNAL FREQUENCY DETECTOR
Jasper J. Okrent, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 6, 1942, Serial No. 441,895
10 Claims. (Cl. 250—27)



1. A carrier-signal frequency detector comprising, an input circuit adapted to have applied thereto a carrier signal the frequency of which deviates over a predetermined range of frequency deviation, a vacuum tube including two input electrodes and an anode, means coupled to said input circuit for deriving from said applied carrier signal two carrier signals having a relative phase which varies with the frequency deviation of said applied carrier signal from a predetermined frequency and for individually applying said derived carrier signals to said input electrodes, means for effecting anode-current saturation of said tube to render said detector substantially unresponsive to amplitude variations of said applied carrier signal, and an output circuit coupled to said anode for deriving therefrom a signal the amplitude of which varies substantially only with deviations of the frequency of said applied carrier signal from said predetermined frequency.

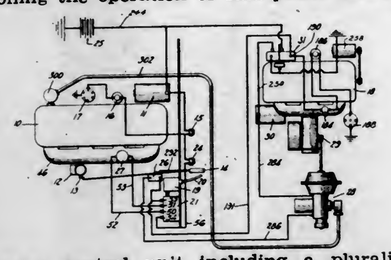
2,343,264
SWITCH
Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application November 6, 1942, Serial No. 464,774
3 Claims. (Cl. 200—116)



1. In a switch, a stationary contact, a movable contactor for engaging it, a latch for the contactor, spring means for moving the contactor towards and for urging the contactor against the contact when the contactor is latched, and for moving the contactor from the contact when the contactor is unlatched, an actuator, an unlatching means for unlatching the contactor, when it is latched, and a relatching means for relatching the contactor when it is unlatched, the relatching means being movable by the contactor when the latter moves upon being unlatched for moving to a position where it can cause contactor relatching on the next movement of the relatching means, the unlatching and relatching means being carried by the actuator to move in unison with each other and the actuator, and being separate elements.

2,343,265
ENGINE CONTROL MECHANISM
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 6, 1939, Serial No. 307,745
13 Claims. (Cl. 180—54)

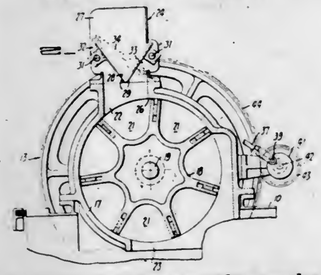
9. In an automotive vehicle provided with a power plant including two internal-combustion engines, means, including a starting motor and a throttle, for cranking one of said engines and controlling the speed thereof, and automatically operable means for operating and controlling the operation of said aforementioned means including a starter control unit for in part controlling the operation of said starting motor, a motor operably connected to the throttle, a valve for controlling the operation of said motor, power means for actuating said valve, means for controlling the operation of said power means and



starter control unit including a plurality of switches, and further including means operable when the vehicle is traveling at certain speeds to so actuate said switches as to make possible an operation of said starter control unit and throttle operating power means.

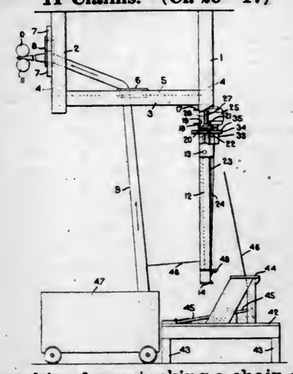
12. In an automotive vehicle having a power plant including an accelerator, means for controlling the operation of said power plant to effect an increase in the speed of the vehicle when the accelerator is substantially fully depressed said means including a pressure differential and spring operated motor and an accelerator operated switch constituting a part of means for controlling the operation of said motor.

2,343,266
FEEDER FOR PRESSURE COOKERS
Burnell E. Richmond, San Jose, Calif.
Application April 20, 1942, Serial No. 439,739
5 Claims. (Cl. 198—211)



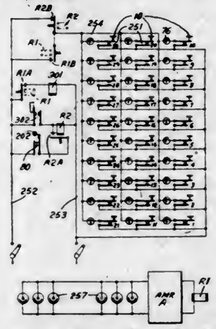
1. In a pressure cooker, a valve mechanism for carrying fruit from a zone of one pressure to a zone of a different pressure without disturbing the pressure differential therebetween, said valve comprising a member having a pocket mounted for successive movements between respective fruit receiving and fruit discharging positions, pivotally mounted gate means for controlling the feed of fruit to said valve mechanism in charges individually no greater than the capacity of said pocket, and means operable in time with the operation of said member for opening said gate means when said pocket is positioned in fruit receiving position and for closing said gate means before said pocket leaves said fruit receiving position.

2,343,267
DETACKING MACHINE FOR ROPE FABRIC
Hinkley R. Swett, Sanford, Maine, assignor to Sanford Mills, Sanford, Maine, a corporation of Maine
Application February 11, 1943, Serial No. 475,564
11 Claims. (Cl. 28—17)



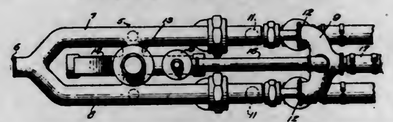
1. A machine for untacking a chain stitch seam uniting the adjoining edges of a longitudinally traveling tubular rope of fabric comprising a rotating reel for the tacking thread located in suitably spaced relation to and in axial parallelism with the path of movement of the fabric having means for maintaining constant substantially uniform tension upon the stitching thread irrespective of variations in the movement of the fabric.

2,343,268
SORTING MACHINE
John N. Wheeler, Hawthorne, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 26, 1941, Serial No. 408,339
12 Claims. (Cl. 235—130)



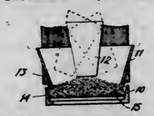
12. A sorting machine for checking the accuracy of the sorting of records and for determining item entry operations of a machine coordinated with said sorting machine, said item entry machine comprising sorting control keys, and other keys manually operated to represent data on a record and including a motor release bar operated to effect item entries in said item entry machine according to the keys operated, the combination of a plurality of sorting compartments, a plurality of photocells, one for each sorting compartment and disposed at said compartments, a plurality of signal lights, each associated with the related photocell, means controlled by said sorting control keys which are operated in accordance with the classification of the record to cause the selective illumination of the signal lights to cause the selective energization of the related photocell by a beam of light received from the associated illuminated signal light, said energized photocell being differently conditioned when the beam of light is interrupted by the record inserted in the compartment associated with the illuminated signal light, locking means for said motor release bar, and means controlled by said photocells when energized to cause said locking means to lock said motor release bar, and for disabling said locking means to unlock said motor release bar and for extinguishing the illuminated signal light when the selected photocell is differently conditioned upon insertion of the record in the selected compartment.

2,343,269
BILGE PUMP
Solomon E. Aaron, Charlestown, Mass.
Application November 27, 1941, Serial No. 420,721
3 Claims. (Cl. 103—262)



1. A bilge pump of the ejector type comprising an ejector casing divided into a plurality of branches between its ends and having a common inlet orifice near one end for the admission of an actuating stream to said branches, an ejector nozzle in each branch, individual inlet suction pipes to each branch for the entrained streams communicating with the said ejector nozzles, and a common outlet passage for the combined actuating and entrained streams whereby the actuating stream in one branch may entrain water from its suction pipe when the water seal in a suction pipe to another branch is broken, an equalizing pipe interconnecting the said branches to maintain equal pressures in each branch.

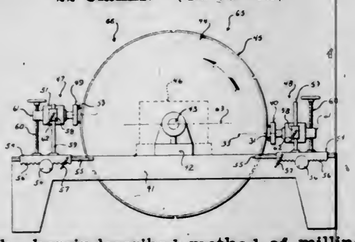
2,343,270
PREPARATION OF RETURN MATERIAL
Charles E. Agnew, Norristown, Pa.
Application August 23, 1941, Serial No. 408,113
2 Claims. (Cl. 75—5)



1. In the art of sintering iron ore of a particle size range from fines of 100 mesh and smaller to a maximum of between one tenth and one eighth inch, with over fifty percent composed of particles less than one tenth of an inch, to form a sinter cake and wherein the sinter cake is broken up on grizzly bars to reduce it to a size suitable for use in a blast furnace and the fines and coarse rubble resulting from the breaking up is screened through the grizzly bars and returned to the mixture forming a charge to be sintered; the improvement which comprises establishing a substantially uniform porosity throughout the depth of the charge by adjusting the grizzly bars to by-pass for use as return material an amount of material of not less than ten percent nor more than 45 percent of the mixture of material being sintered, sizing those particles of the by passed material which are over one-eighth of an inch, down to substantially one-eighth of an inch with a minimum production of

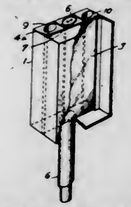
additional fines, and mixing the whole of the bypassed material thus treated, with the raw material to form a charge to be sintered.

2,343,271
METHOD AND APPARATUS FOR CUTTING FILES
Alfred Anheuser, West Allis, Wis., assignor to Ernest A. Anheuser, Milwaukee, Wis.
Application September 4, 1942, Serial No. 457,376
22 Claims. (Cl. 76—12)



1. The hereindescribed method of milling file teeth in a blank which comprises: longitudinally flatwise bending the blank to a predetermined arc; and milling closely spaced arcuate grooves transversely across the longitudinally convex face of the blank with a suitable tool revolved about an axis parallel to a radial plane of the arcuate blank and which plane lies close to the area of the blank swept by the tool in the cutting operation.

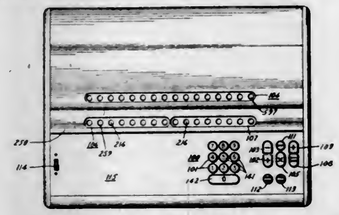
2,343,272
EMERGENCY AND SIGNALING OUTFIT
Lily Armstrong, Southsea, England
Application May 31, 1941, Serial No. 396,129
In Great Britain April 21, 1941
1 Claim. (Cl. 206—16)



Emergency and signaling outfit for use in accidents comprising an outer case, partitions therein to provide compartments, a transverse plate with bent edges forming slideways, secured in said case, a reflecting surface carried by said plate and slidable in said bent edges, said case being raised by extension of a telescopic member rigidly secured by one of its sections to one face of the transverse plate so that its reflecting surface can serve for signaling purposes, a recessed lid closing the case.

2,343,273
CALCULATING MACHINE
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application July 20, 1938, Serial No. 220,260
38 Claims. (Cl. 235—61)

1. In a calculating machine; multiplicand and multiplier factor receiving mechanisms, an accumulator comprising a plurality of ordinal accumulator units; a driving mechanism; an actuator comprising a plurality of ordinal actuator units, each intermediate ordinal unit of which includes a units actuator member and a tens actuator member each member being operable to control the transmission of movement from the driving mechanism to the accumulator; ordinal groups of digital members selectively operable to control said units and tens actuator members to cause the amounts of movement transmitted under the control of said members to correspond to the units digits and the tens digits, respectively, of the partial products of the factor digits entered in said factor receiving mechanisms, each intermediate ordinal group of digital members including, certain digital members which are each operable under control of said factor receiving mechanisms to control only the units actuator member of one ordinal actuator unit, certain digital members which are each operable under control of said factor receiving mechanisms to control only the tens actuator member of an adjacent ordinal actuator unit, and certain other digital members; and means operable under control of said factor receiving mechanisms for operating each of said last mentioned other digital members to control either said units actuator member or said tens actuator member.

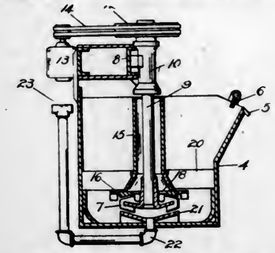


13. In a calculating machine, a multiorder factor set-up mechanism, including a plurality of similar selection elements in a row and a travelling set-up carriage and an associated 10-key keyboard, for first selectively setting a first leftmost group of the selection elements in accordance with successive digits of a multiplicand, and subsequently selectively setting a second rightmost group of selection elements in accordance with successive digits of a multiplier; multiorder accumulator means and computing means, including actuators, associated therewith, said actuators being jointly controlled by said multiplicand and multiplier selection elements to enter partial products of numbers set up therein into said accumulator; shift means for selectively bringing said selection elements into operative relationship with different groups of orders in the accumulator; an operating key and means responsive to actuation thereof for automatically moving said set-up carriage past all unselected elements in said leftmost or multiplicand group and advancing it into operative relationship with the highest order of selection element in the rightmost or multiplier group, and for simultaneously operating said shift means to bring the multiplicand selection elements into operative relationship with the higher orders of the accumulator mechanism.

2,343,274
FLOTATION MACHINE
Thomas S. Bailey, Jr., Arthur C. Daman, and Leland H. Logue, Denver, Colo., assignors to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Application October 29, 1940, Serial No. 363,278
12 Claims. (Cl. 261—93)

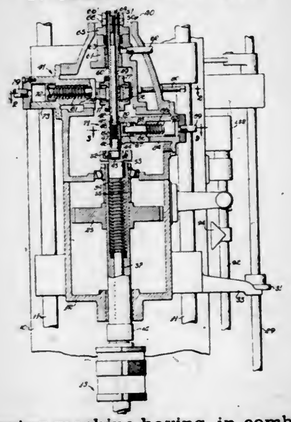
1. Froth flotation apparatus comprising a tank for pulp, a rotary dished impeller in the lower portion of the tank, a dished plate supported on the bottom of the tank directly beneath the impeller and in close proximity thereto to provide

a pulp-free zone immediately underneath the impeller, a hood overhanging the impeller, a hollow column extending upwardly from the hood and terminating above the tank, means for delivering



pulp through the column onto the upper surface of the impeller, and conductive means for delivering gas between the dished plate and the bottom of the impeller centrally thereof for movement through said pulp-free zone.

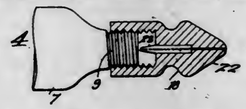
2,343,275
HONING MACHINE
Harry J. Caldwell and Earnest Y. Seborg, Rockford, Ill., assignors to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application August 1, 1941, Serial No. 404,962
17 Claims. (Cl. 51—34)



4. A honing machine having, in combination, a support for an expansible and contractible honing tool, a support for work to be operated on by the tool, means for effecting relative rotation and simultaneous relative reciprocation of the tool and work supports, power actuated mechanism operable to effect rapid continuous expansion of the tool, other power actuated mechanism operable to effect positive expansion of the tool in intermittent steps, control means operative to initiate the operation of said other mechanism upon engagement of the work by the tool, and timing means operative to determine the rate of expansion of the tool by said other mechanism while the tool is operating on the work.

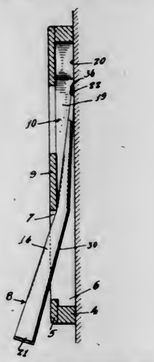
2,343,276
DEVICE FOR INFLATING BALLOONS AND THE LIKE
Arthur W. Carlson, Worcester, Mass.
Application September 27, 1940, Serial No. 358,703
1 Claim. (Cl. 221—73.5)

In a device of the class described, the combination of a gas cartridge having a threaded end with a member for piercing the cartridge, said member comprising a hollow body interiorly threaded for cooperative engagement with the threaded end of the cartridge, a pin fixed in said body, a passage leading from adjacent the



pin to an exterior surface of the body, the exterior of said body being conical in part and having a wide base for the cone, a relatively deep annular balloon-mouth receiving depression at the base of the cone, the remainder of the body being cylindrical.

2,343,277
COMBINED PACKAGE AND HOLDER
Louis Clark, Pomona, Calif., assignor to Protecto Products Co., Inc., Pomona, Calif., a corporation of California
Application July 14, 1942, Serial No. 450,839
6 Claims. (Cl. 206—56)

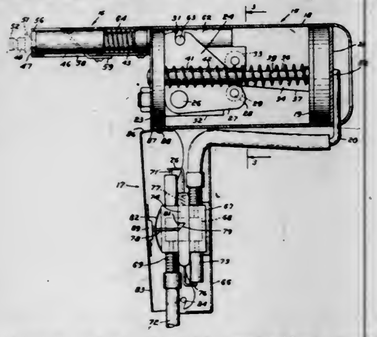


1. In a combined seat-cover package and holder for the same, the combination of a holder to be secured against a substantially vertical surface, said holder having an outer wall removed from the plane of the surface so that a pocket is formed within the holder to receive the package, said outer wall having a receiving opening therethrough with an inwardly projecting flange at its edge, said package including a tapered envelope for the seat-covers, with an enlarged butt end, and tapering toward its opposite edge, said envelope capable of being forced into the said pocket through said receiving opening with the small end first, and so that the butt end of the envelope can be forced into the opening over the said flange and lodged thereafter back of the said flange.

2,343,278
RIVETING DEVICE
Carl W. Cherry, Carmel, Calif.
Application August 3, 1940, Serial No. 351,279
6 Claims. (Cl. 218—19)

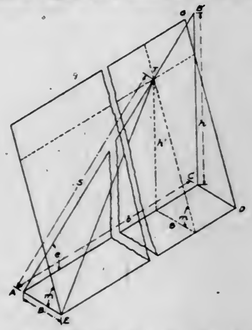
2. A riveting apparatus for a hollow rivet having a former stem extending therethrough, comprising a cylinder, a piston working in the cylinder, a riveting tool extended from the outside of said cylinder, said riveting tool including a member projecting beyond said cylinder to apply a reactive force on the hollow rivet, a movable element in said member adapted to engage said former stem so as to pull said former stem

oppositely to said reactive force for forming the tail of said rivet, an oscillating frame in said cylinder, an end of said oscillating frame being connected to said movable element for moving the same oppositely to the direction of the strokes of said piston, a projection extended from the piston to the other end of said oscillating frame, anti-friction means on the end of the oscillat-



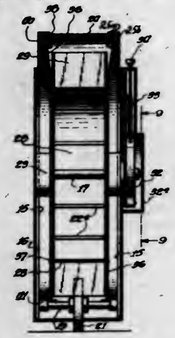
ing frame adjacent said projection, means on said projection bearing on said anti-friction so as to oscillate said frame for pulling said stem when the piston is moved toward the end of the cylinder at which said riveting tool is located, a guide element engaging said projection to hold said projection in position against said frame, and means to control the working of said piston in the cylinder.

2,343,279
RANGE FINDER
Joseph H. Church, Austin, Minn.
Application February 28, 1941, Serial No. 381,055
13 Claims. (Cl. 88—2.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



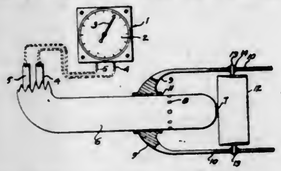
1. In a rangefinder, a base of known length, an optical receiver at each end of said base, means for sighting each of said receivers on a point of finite range and for determining said finite range as a function of said base and the projection of the angle between the line of sight of at least one of said receivers and said base in a plane through said base and offset from the plane of the lines of sight by an angle, said means comprising means for rotating said one of said receivers about a pair of axes normal to said base and to each other whereby it may be brought into sighting relationship to said point and means for determining the component of such rotation about an axis normal to said offset plane whereby the said projection is determined.

2,343,280
ROTARY INDEX FILE
William W. Cory, Chicago, Ill.
Application January 23, 1942, Serial No. 427,991
10 Claims. (Cl. 45—3)



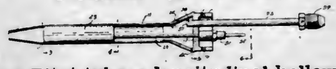
3. A rotary file comprising a rotatable drum formed with side and cross walls to define a circularly arranged series of compartments opening radially, an enclosure journaling the drum and having an entrance opposite and partway around the drum periphery, a series of elements carried externally by each side wall of the drum and along the course of said compartments, the elements opposite said entrance clearing the compartments, said elements having outer portions directed toward the related side walls, and means projecting the portions of such elements as occur away from said entrance over correspondingly-located compartments to form barriers therefor.

2,343,281
STALL, SKID, AND SLIP WARNING DEVICE FOR AIRCRAFT
Carl J. Crane, Phoenix, Ariz.
Application February 26, 1942, Serial No. 432,460
7 Claims. (Cl. 73—152)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stall warning device for aircraft, comprising a Pitot-static head exposed to the air stream, a differential-pressure-responsive indicator connected to said head to indicate air speed, a spoiler device situated in the line of air flow into the dynamic pressure opening of said Pitot-static head, and said spoiler device comprising an annular ring having any longitudinal cross section therethrough in the form of a thin airfoil section with the upper camber thereof forming the boundary of the inner surface of the ring, said ring being mounted concentric with respect to the axis of the dynamic pressure opening of said Pitot-static head and being positioned forward of said opening, and said spoiler device permitting a smooth air flow into said dynamic pressure opening at angles of inclination with respect to the relative air stream below a predetermined value, but creating a turbulent flow at angles of the relative air stream above said predetermined angle, whereby the turbulent flow causes a corresponding fluctuation in the indication of said pressure-responsive indicator to thereby give a warning signal.

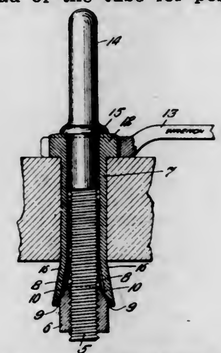
2,343,282
PITOT TUBE
Emil Dalber, Cleveland, Ohio
Application May 28, 1942, Serial No. 444,872
8 Claims. (Cl. 73—212)



1. In a Pitot tube, a longitudinal hollow casing, said casing having an open forward end for receiving air under dynamic pressure, an electrical heating element mounted in said casing rearwardly of said open forward end, said heating element substantially filling the internal cross-sectional area of the casing to form a first chamber in the casing intermediate the heating element and said open forward end, a closure closing the rear end portion of the casing and forming a second chamber in the casing intermediate of the closure and said heating element, said heating element including an electrical resistance coil and a metallic sheath enveloping said coil, said sheath having a channel formed therein and extended longitudinally of the element to provide passageway for said air under dynamic pressure between the said casing and the said heating element and connecting said first chamber and said second chamber, a conduit member adapted to communicate with an air speed indicator and extending through said closure into said second chamber and opening into the upper portion of said second chamber, the said conduit member having a shield portion in advance of the conduit opening to prevent direct ingress into the conduit member axially and rearwardly of the casing, said first chamber and said second chamber each having a discharge port extended through the bottom of the casing, and electrical connecting means for energizing said heating element, the arrangement of the casing, the discharge ports, the heating element, the closure, and the conduit member providing for entrapment of moisture in the first chamber in advance of the heating element and the discharge thereof through the respective discharge port, for the entrapment of moisture in the second chamber in advance of the closure and the discharge thereof through the respective discharge port, for the passage of air along the channeled sheath of the heating element intermediate of the first and second chambers, for the heating of the casing and the air within said casing to maintain moisture in the air at above freezing temperature, and for the passage of air under dynamic pressure from said forward end through the casing and into said conduit member.

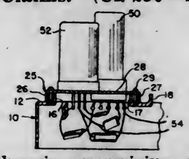
2,343,283
SCREW FASTENING WITH SELF-RIVETING HEAD
Frank L. Davis, College Point, Long Island, N. Y.
Application September 23, 1943, Serial No. 503,572
1 Claim. (Cl. 85—40)

A screw operated fastening in the nature of a rivet and comprising a rivet tube to pass through a hole in the material to be riveted, said tube having an enlarged head at one end to engage over the outer face of the material and slotted inwardly from the opposite end into a plurality of segments to be spread over the inner face of the material, the head of said rivet tube having means for enabling holding of the same against rotation, a bolt extended inward through the headed end of the tube, said bolt having a head in abutting engagement with the head portion of the tube and provided with means for effecting rotation of the bolt within the tube while the tube is held against rotation, said bolt having a screw-threaded portion within the slotted end portion of the tube, and a nut engaged on said screw-threaded portion of the bolt beyond the slotted end of the tube and of no greater external diameter than the tube, to be thereby capable of being passed through a hole in the material ahead of the tube for positioning the



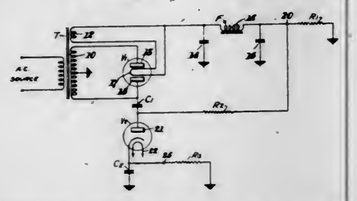
separated end segments of the tube inward beyond the inner face of the material, the end of the nut opposed to the slotted end of the tube being composed of inwardly inclined radially convergent flat wedge faces tapered radially inwardly toward the bolt, said radially disposed inclined flat wedge faces equalling in number the number of the tube segments and having radially extending inwardly inclined sharp corners at their meeting edges equal in number to the number of slots in the end of the tube to thereby enter the slots between the segments when the end of the nut is engaged with the slotted end of the tube by rotation of the bolt within the tube, whereby to effect automatic holding of the nut against rotation and alignment of the wedge faces with the ends of the tube segments.

2,343,284
RADIO EQUIPMENT AND METHOD OF ASSEMBLY
Sven H. M. Dodington, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application July 4, 1942, Serial No. 449,785
10 Claims. (Cl. 250—16)



1. A radio chassis comprising a main chassis structure a wall portion of which has at least one opening therein, upright flanges defining at least in part the outline of said opening, a sub-chassis member on which radio parts and wiring are mountable as a sub-assembly, said member having side flanges mountable on said structure in juxtaposed relation with said upright flanges with the body portion of said member in overlying relation with respect to said opening so that some of the wiring thereon may extend into the structure, and means to secure the sub-assembly in place on said structure.

2,343,285
RECTIFIER
Sven H. M. Dodington, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application August 26, 1942, Serial No. 456,219
5 Claims. (Cl. 175—363)



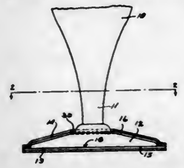
3. Rectifier means comprising a first rectifier connected to a source of alternating current to provide a first direct current output having a given voltage, a filter to smooth out pulsations in the voltage of said direct current output, a second rectifier, a condenser, a resistance, means connecting the input of the second rectifier through said condenser to said alternating current source and through said resistance to the output of said filter, and said second rectifier having a direct current output at a voltage equal to approximately the sum of the voltages of said alternating current source and said first direct current output.

2,343,286
CLOSURE FOR SHEET-METAL CONTAINER OPENINGS
Howard W. Dodson, Philadelphia, Pa., assignor, by mesne assignments, to United Steel Barrel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 20, 1939, Serial No. 285,477
1 Claim. (Cl. 220—39)



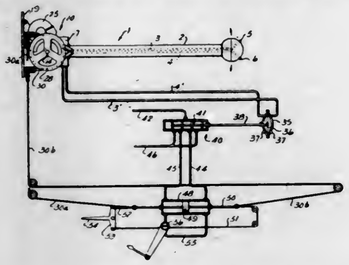
A sheet-metal container including a generally cylindrical bung-flange drawn outwardly and integrally from the container and defining an opening in a wall thereof, said bung-flange being helically corrugated to provide an external screw-thread and an internal screw-thread thereon, a gasket-seat formed at the outer end of said bung-flange, an annular gasket disposed upon said gasket-seat, a second gasket seat formed peripherally adjacent the base of said bung-flange, an annular gasket disposed upon said second gasket-seat, an annular stiffening rib pressed out of the wall of said container peripherally of said second gasket-seat, a sheet-metal bung having a pair of annular concentrically-adjacent screw-threads formed thereon, said bung being removably disposed within said bung-flange with the annular screw-threads of said bung engaging both the outer screw-thread and the inner screw-thread of said bung-flange, said bung having an annular shoulder formed thereon for compressing and confining the gasket upon said first-mentioned gasket-seat, the outer screw-thread of said bung being adapted to compress the gasket upon said second gasket-seat, and a tamper-resistant cap fitted over said bung and said bung-flange, said cap being locked against said stiffening rib whereby it cannot be removed without deformation.

2,343,287
ANTIDRIP DEVICE
Frank S. Elsaesser, Cincinnati, Ohio
Application January 23, 1941, Serial No. 375,659
4 Claims. (Cl. 65—53)



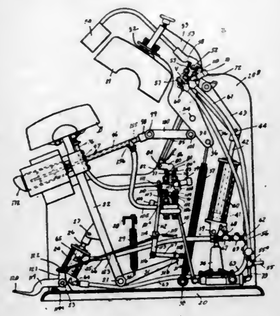
1. In an anti-drip device of the class described, the combination of a base member adapted to underlie the foot of a receptacle and a top member adapted to overlie a portion of said foot, said top member having a portion of its periphery coincident with and secured to the periphery of the base member, and having the remaining portion of its periphery as an edge extending transversely of the base member substantially intersecting the center of the base member, said edge of the top member being of a greater dimension than a line on the base member immediately therebelow, whereby said edge of the top member is permanently arched across the base member and whereby said top member extends downwardly from its free edge to the periphery of the member to form a pocket and entrant throat for a receptacle foot member.

2,343,288
AUTOMATIC PILOT
Rudolph Fink, United States Army, Patterson Field, Ohio
Application May 22, 1942, Serial No. 444,059
6 Claims. (Cl. 244—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



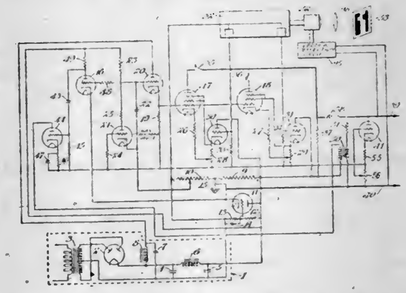
1. In an automatic control device for controlling an aircraft about at least one of the axes of movement thereof, reversible servomotor means operatively connected to a control element of the aircraft, control means for said servomotor adapted to cause selective actuation of said servomotor, pivotally supported means exposed to the air stream and adapted to generate a differential pressure proportional to the change in attitude of the aircraft from a predetermined attitude with respect to the relative air stream, pressure-responsive means responsive to differential pressures generated by said last named means, said pressure-responsive means being operatively connected to said servomotor control means to cause selective actuation of the same and follow-up means operatively connecting said servomotor and said pivotally supported means to cause a rotation of the latter in a direction opposite the deviation of the aircraft from the said predetermined attitude.

2,343,289
APPARATUS FOR PRESSING SHIRTS AND THE LIKE
Harry D. Forse, Anderson, Ind.
Application October 3, 1940, Serial No. 359,525
31 Claims. (Cl. 223—57)



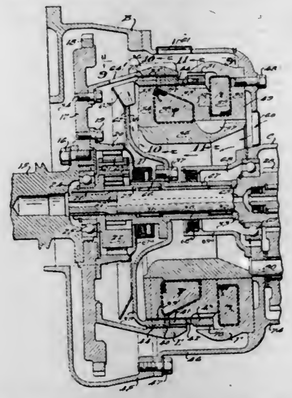
1. In a press adapted for laundry service, the combination of a base, a pressing head element pivoted thereon and movable downwardly and forwardly into pressing position, a pressing buck element pivoted on the base and movable upwardly and rearwardly into pressing position, and means for moving both elements towards and away from each other, said elements when operatively engaged, having a predetermined position and being arranged for pressing purposes and when in disengaged position the buck element is positioned forwardly of and below that predetermined position for garment laying and removal purposes and the head element is then positioned rearwardly and upwardly of that predetermined position for operator clearance.

2,343,290
MEANS FOR SIGNALING WITH ELECTRONIC COMMUTATORS
Oliver T. Francis, Renville, Minn.
Application October 23, 1941, Serial No. 416,179
16 Claims. (Cl. 178—22)



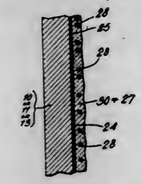
1. The method of synchronously shifting the sequence of operability of transmitting and receiving devices in accordance with a secret record focused on a mosaic electrode upon which electrostatic charges are adapted to accumulate, located at signal transmitting and receiving stations which consists in synchronously scanning said mosaic electrode at each of said stations to produce a current varying with said electrostatic charges, and in producing identical changes in the sequence of operability of said transmitting and receiving devices with said current.

2,343,291
POWER TRANSMISSION
Henry W. Gilfillan, Detroit, and Edgar L. Bailey, Birmingham, Mich., assignors to Chrysler Corporation, Highland Park, Mich, a corporation of Delaware
Application September 20, 1940, Serial No. 357,528
39 Claims. (Cl. 74—260)



1. In a power transmission having an input structure, an output structure and a shaft adapted to drivingly connect said structures, electric power operated means for drivingly connecting said input structure with said shaft; gear means for drivingly connecting said shaft with said output structure; means for shifting said gear means between neutral and a plurality of drive-establishing positions; switch means associated with said shift means operable to energize said electric power means only upon movement of said shift means to drive-establishing position; and a lost motion connection between said gear means and said shift means for permitting movement of said shift means to neutral position without disturbing the drive-establishing setting of said gear means thereby to effect deenergization of said electric power means without disengaging said gear means.

2,343,292
DESTRUCTIBLE FORM
Lillian L. Greneker, New York, N. Y.
Application January 16, 1943, Serial No. 472,559
8 Claims. (Cl. 18—45)

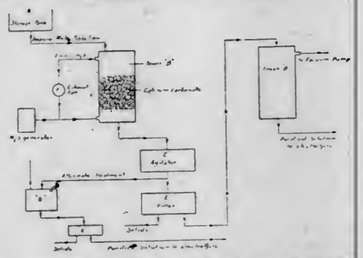


5. A hollow form which in outside shape and size conforms to the space within a hollow article having an opening therein which is to be made on said form, the wall of said form being made of frangible molded material having a fabric buried therein near its outer surface and also having a rope buried in the wall of said form interiorly of said fabric, and the wall of said form being so thin that pulling out of said rope will reduce the form to pieces which may be withdrawn from the hollow article with the rope and the fabric through said opening.

2,343,293
PROCESS FOR THE PURIFICATION OF MANGANOUS SULPHATE SOLUTIONS

William Henry Hannay, Trail, British Columbia, and Basil Joseph Walsh, Quebec, Quebec, Canada, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a company of the Dominion of Canada

Application February 28, 1942, Serial No. 432,878
7 Claims. (Cl. 23—117)



1. A process for the purification of manganous sulphate solutions which comprises reacting a manganous sulphate solution, containing metallic impurities in sulphate form, with hydrogen sulphide gas, in amount sufficient to cause the substantially complete conversion of the metallic sulphate impurities to sulphide form, in the presence of calcium carbonate maintained in substantial excess of the amount necessary to neutralize the sulphuric acid formed in the reaction between the hydrogen sulphide and the metallic sulphate impurities to assure the presence of solid calcium carbonate during the course of the treatment, said carbonate compound being effective in the presence of hydrogen sulphide and manganous sulphate in maintaining the pH value of the solution within the range of from pH 5 to pH 6, and maintaining the solution at a temperature not higher than 25° C. during the course of the treatment.

2,343,294
TRAVELING MESSAGE SIGN

Merton L. Haselton, Rye, and Charles S. Whitney, Jr., Brooklyn, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application July 24, 1940, Serial No. 347,336
22 Claims. (Cl. 40—53)

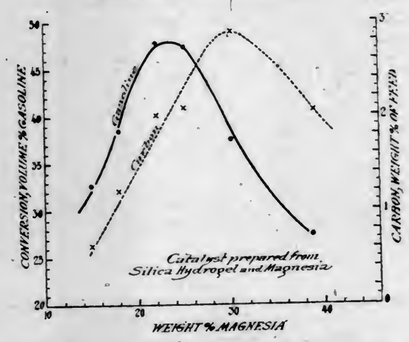


1. A traveling display sign comprising a series of indicator units respectively for displaying the successive characters of a message or other information, said indicator units being mounted to travel in serial order across a display area of the sign, each indicator unit comprising a bank of display elements selectively energizable so as collectively to form any of a plurality of desired characters to be displayed, driving means for causing said series of indicator units to move across said display area at a predetermined speed to display the information, a composing unit comprising a bank of composing elements responsive to predetermined character signals for selectively energizing the display elements of certain of said indicator units to form desired characters thereon, and means operating in synchronism with the movement of said series of indicator units for causing said composing unit to be operatively associated with selected ones of said indicator units and including means to cause the composing unit to travel with a selected indicator unit while operatively associated therewith during a portion of its travel prior to reaching said display area to selectively energize the display elements of the associated indicator unit to form the desired character to be displayed thereby.

2,343,295
PETROLEUM OIL CONVERSION WITH CATALYSTS

James C. Bailie and Melvin J. See, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application April 26, 1941, Serial No. 390,612
7 Claims. (Cl. 196—52)



1. The process of converting hydrocarbon oils wherein said oils are contacted at conversion temperatures with a catalyst consisting essentially of active magnesia and active silica containing more than 15% and less than 30% of magnesia prepared by intimately mixing finely divided magnesia with silica hydrogel and thereafter drying and igniting the resulting mixture.

2,343,296
RESINOUS CONDENSATION PRODUCT AND PROCESS OF MAKING IT

Herbert Hönel, Vienna, and Alois Zinke, Graz, Germany; vested in the Alien Property Custodian

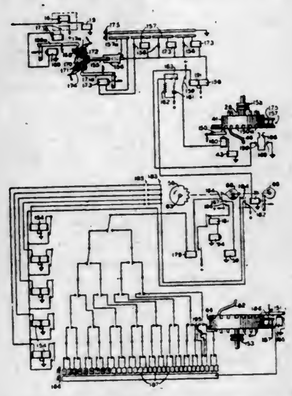
No Drawing. Application March 24, 1941, Serial No. 385,008. In Germany May 25, 1935
11 Claims. (Cl. 260—51)

1. A process for producing resinous phenol formaldehyde condensation products, which comprises subjecting a soft terpene phenol condensation product which has at least one double linkage and which is derived from a terpene and a phenol in the proportion of more than one molar weight of the terpene to each molar weight of the phenol, to a prolonged heat treatment in the presence of a metal halide of the Friedel-Crafts type and hydrogen halide until a solid resin is obtained and then condensing the said resin with an aldehyde.

2,343,297
TELEGRAPH SYSTEM AND APPARATUS

Philo Holcomb, Jr., Great Neck, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application March 7, 1942, Serial No. 433,774
27 Claims. (Cl. 178—17.5)

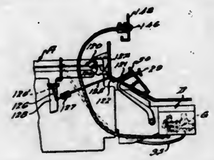


1. In a signal storage telegraph system, a plurality of different types of mechanical elements, a plurality of conveying and storage means for said mechanical elements, a plurality of associated means for arranging said mechanical elements in accordance with received signals in said associated conveying and storage means, a plurality of transmitting means for converting said mechanical elements into respective telegraph signals and means including said conveying and storage means for conveying said mechanical elements from any one of said element arranging means to any one of said transmitting means.

2,343,298
TRANSMISSION CONTROL

Teno Iavelli, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application August 19, 1942, Serial No. 455,279
20 Claims. (Cl. 74—335)

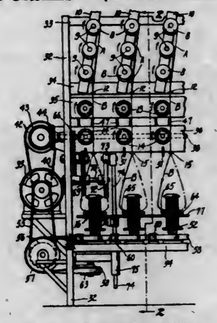


1. In a power transmission for driving a motor vehicle having an engine; a speed ratio varying transmission comprising change speed means operable to provide step-up and step-down change in the speed ratio drive from the engine to the vehicle and including a shift lever; a motor for controlling operation of said shift lever; means for mounting said shift lever so as to accommodate operation thereof in a predetermined path under control of said motor whereby to effect a predetermined change in said speed ratio drive, and for movement of said lever to and in a second path outside said predetermined path and control of said motor to effect said predetermined change in drive; and means for effecting movement of said shift lever from each of said relationships to the other.

2,343,299
APPARATUS FOR DOUBLING AND TWISTING THREAD

Hayden B. Kline, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application February 14, 1939, Serial No. 256,364
4 Claims. (Cl. 57—55.5)

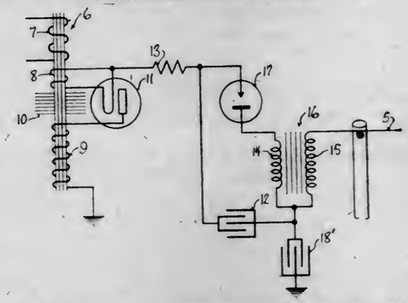


1. In apparatus for doubling and twisting thread or the like including a plurality of supply packages each of which serves as a source of thread or the like, means for combining the individual threads or the like into a thread bundle and a twisting device, the improvement in means for feeding said thread bundle to said twisting device which comprises at least two cantilever thread-advancing reels so disposed that each in turn accepts the thread bundle at its supported end and advances it toward the unsupported end thereof.

2,343,300
ELECTRIC FENCE

Stanley G. Klumb, Milwaukee, Wis.

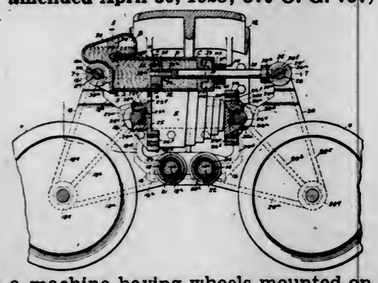
Application October 3, 1941, Serial No. 413,555
7 Claims. (Cl. 256—10)



1. A control for an electric fence by which a fence wire insulated from ground is charged with electricity derived from a suitable source whenever an animal or other grounding connection imposes a resistance across the wire and ground, comprising: a transformer having a primary and a secondary; a condenser; a two-element gaseous discharge tube; means for electrically connecting the transformer secondary with the fence wire and ground to provide a high potential fence charging circuit; means electrically connecting the transformer primary, the tube and the condenser in series circuit so that discharge of the condenser, which can take place only when the charge thereon exceeds the breakdown voltage of the tube, sends a surge of current through the transformer primary to energize the secondary and send an impulse out onto

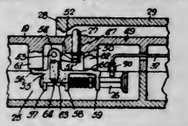
the fence wire; and a condenser charging circuit for electrically connecting the same condenser across the source to charge the same above the breakdown voltage of the tube including the fence wire and ground and completed whenever an animal or other grounding connection contacts the fence wire.

2,343,301
HYDRAULIC CHECK
Harry A. Knox, Washington, D. C.
Original application January 6, 1942, Serial No. 425,717. Divided and this application September 7, 1942, Serial No. 457,596
1 Claim. (Cl. 280—124)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



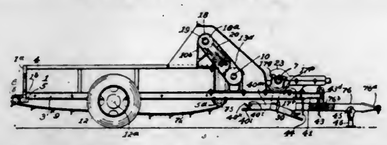
In a machine having wheels mounted on axles and having a frame, means for pivotally mounting two wheel axles on the frame with their axes parallel, a spring between the two wheel axles and having two opposite ends movable with respect to one another, rigid means extending from one axle to one of said opposite ends and rigid means extending from the other axle to the other opposite end, a fluid cylinder, a piston in the fluid cylinder, a rigid arm extending from one axle to the cylinder and having pivotal connection with said cylinder, and rigid means extending from the other axle to the piston having pivotal connection with said piston.

2,343,302
LUBRICATION
Edward H. Kocher, Boonton, N. J., assignor to Auto Research Corporation, a corporation of Delaware
Application August 3, 1940, Serial No. 350,650
7 Claims. (Cl. 184—6)



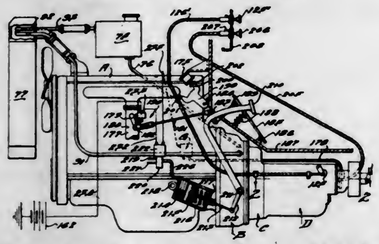
1. In a horizontal hydraulic broaching machine having a bed, an operating slide reciprocating on said bed having parallel elongated longitudinal slide bearings to be lubricated, said slide having a recess forming a reservoir and a reciprocatory actuator member projecting vertically past the upper part of said slide, two legs projecting downwardly alongside of said pusher member from said upper part of the slide, an inverted U-shaped bracket with its base mounted on the lower ends of the legs, a horizontally disposed spring returned, reciprocating plunger pump, with an angle lever pivotally mounted on said bracket actuated by said actuator member to actuate said pump, said bed carrying a cover having a downwardly extending cam-like boss to reciprocate said actuator member on each reciprocation of said slide.

2,343,303
FERTILIZER DISTRIBUTOR
Henry J. Kuhlman, Waterloo, Iowa
Application February 24, 1941, Serial No. 380,189
5 Claims. (Cl. 275—6)



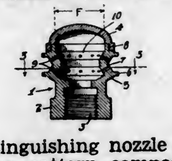
1. In combination, in a fertilizer distributor, a wagon box mounted on and between a medial pair of wheels without the box, the box being open in front and rear and having a floor and side walls, the front end of the box having a horizontal forwardly projecting open prow, an endless traveling apron mounted longitudinally around the box floor, a forwardly rotatable beater drum having radially directed spikes distributed therearound outwardly, the drum being in advance of the forward end of the traveling apron to receive material therefrom and comminute it while delivering it forwardly and downwardly through the open prow, transversely spaced adjustably rearwardly tilted oppositely rotatable depending shafts having seating radial members on and therearound on their lower ends, with their upper ends rotatably mounted on the prow, a medially forwardly projecting rotary shaft composed of sections connected by a universal joint, and movable rotary connecting devices between the rear section thereof and the upper parts of the depending shafts respectively and separately, to rotate the latter and independently scatter the material from the forward parts of the seating members in opposite directions laterally from them upon the ground alongside.

2,343,304
HYDRODYNAMIC TRANSMISSION
Ludger E. La Brie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 13, 1940, Serial No. 329,398
3 Claims. (Cl. 74—189.5)



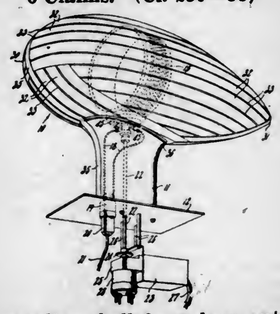
1. In a power transmission for a vehicle having an engine, an accelerator control, a driving shaft and a driven shaft; a casing; an impeller wheel rotatably mounted in the casing and connected with the driving shaft; a fluid operated turbine wheel connected to the driven shaft and adapted to be driven by fluid set in motion by said impeller wheel; a fluid operated guide wheel disposed in series relation with said impeller and turbine wheels; means operable automatically to lock said guide wheel against reverse rotation at low speeds of the turbine wheel thereby to provide a torque multiplying drive between said shafts, said means being releasable automatically in response to forward rotational tendency of said guide wheel; means operable automatically to lock said guide wheel to the driven shaft at relatively high speeds of the turbine wheel thereby to provide a high-efficiency slip-coupling drive between said shafts; a variable ratio gear train connected between the driven shaft and the vehicle drive wheels; a control means for said gear train normally operable to maintain said gear train in direct drive at all vehicle speeds, and means connecting said control means with said accelerator control whereby a shift to underspeed ratio in said gear train may be obtained by operation of said accelerator control to predetermined position and whereby said variable ratio gear train is operable to provide a torque multiplying drive during all aforesaid drive operations of said fluid operated wheels.

2,343,305
FIRE EXTINGUISHING NOZZLE
Raymond B. Larter, West Los Angeles, Calif., assignor to The Fog Nozzle Co., Los Angeles, Calif., a corporation of California
Application February 17, 1941, Serial No. 379,178
5 Claims. (Cl. 299—143)



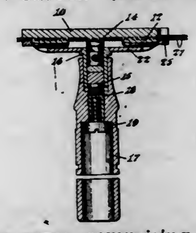
1. A fire extinguishing nozzle for producing a combined spray pattern composed of particles of substantially uniform size by secondary impingement of the sprays produced by the primary impingement effected by individual pairs of orifices, which nozzle comprises a body having a plurality of pairs of orifices, the orifices of each pair being spaced apart and angularly related in such manner as to cause issuing jets to have a center point of impingement at distances from the discharge faces of the orifices not exceeding twice the diameter of the orifices and to cause the inside point of impingement of the jets leaving the orifices to be in advance of the discharge faces of the orifices, whereby each of such pairs of orifices is capable of producing at the zone of impingement a leaf-like liquid pattern, said pairs of orifices being arranged and spaced in said nozzle to cause the leaf-like patterns produced by adjacent pairs of orifices to contact at their points of maximum width.

2,343,306
LOOP ANTENNA SYSTEM
William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois
Application December 14, 1939, Serial No. 309,137
6 Claims. (Cl. 250—33)



1. A streamline shell for a loop antenna, constructed of insulation material, and having shielding means comprising a plurality of conducting strips spacedly arranged along the outside surface of said shell in a direction substantially conforming with the streamline path of air currents around the shell and substantially covering the outside surface thereof, whereby impacting atmospheric charges are smoothly conducted past the shell.

2,343,307
SAFETY RAZOR
Felix J. Lewando, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application June 23, 1943, Serial No. 491,957
7 Claims. (Cl. 30—71)

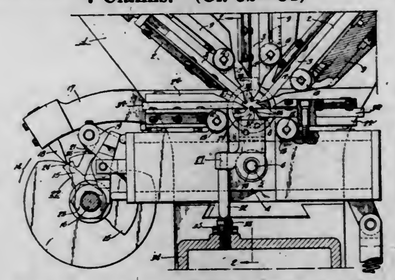


1. A safety razor comprising cap and guard members, one of which has a projecting detent and the other a substantially convex blade-supporting surface, a threaded spindle rotatable to draw said members into blade-clamping relation or to release them for relative movement toward or from each other in a limited definite path under finger pressure, whereby an interposed perforated blade may be bowed into interlocking engagement with said detent and so held while a protective cover is withdrawn from the blade.

2,343,308
TEXTILE FIBER AND METHOD OF PRODUCING
Julius G. Little, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 2, 1941, Serial No. 391,464
13 Claims. (Cl. 117—143)

1. The method of sizing textile fibers prior to weaving which comprises treating the fiber with a composition comprising a solution of 10% to about 85% of a wood rosin in mineral oil.

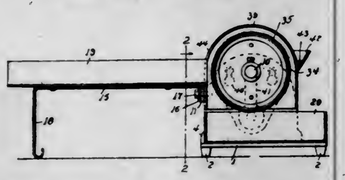
2,343,309
SETTING GAUGE FOR CUTTING TOOLS
Nicholas P. Lloyd, Wynnewood, Pa.
Application December 18, 1942, Serial No. 469,482
7 Claims. (Cl. 82—34)



1. For automatic machine tools of the type comprising a relatively fixed tool support, a rotary

work spindle axially traversable with respect to the support, a tool carrier adjustably mounted on the support for reciprocation in a path substantially radial to the axis of said spindle, and cam actuated mechanism for so reciprocating said carrier; a gauge comprising in combination, means for setting said mechanism to a position from which the cam is capable of advancing the carrier a known maximum distance toward the spindle axis, and a gauge element predeterminedly positionable with respect to said axis and in the path of the tool and providing for setting the tool independently of the first named setting to a position such that the aforesaid maximum advance movement of the carrier will bring the cutting edge of the tool to a known position with respect to the said axis.

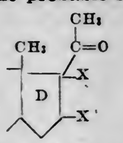
2,343,310
FRUIT AND VEGETABLE COMMINUTING MACHINE
Edward Lohmann, Greenville, Ohio
Application September 2, 1941, Serial No. 409,285
10 Claims. (Cl. 146—89)



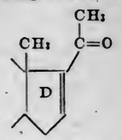
1. In a machine of the class described, a wheel having a periphery, and wire mesh bent to approximately U-shape in cross section encircling said periphery and secured thereto, the sides of the U-shaped wire mesh extending in a radial direction so that the ends of the wires of the arms or sides of the U serve to do the comminuting.

2,343,311
HALOSTEROID AND PREPARATION OF THE SAME
Russell Earl Marker, State College, Pa., and Harry M. Crooks, Jr., Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Original application September 4, 1941, Serial No. 409,590. Divided and this application September 28, 1942, Serial No. 460,000
6 Claims. (Cl. 260—397.4)

1. Process for the preparation of a halosteroid having at ring D the probable structure

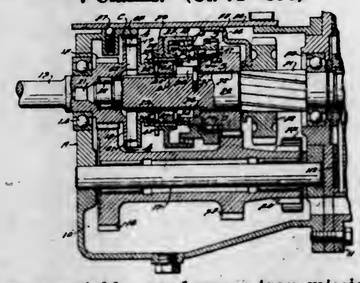


where X is a member of the class consisting of chlorine and bromine which comprises reacting a steroid having at ring D the structure



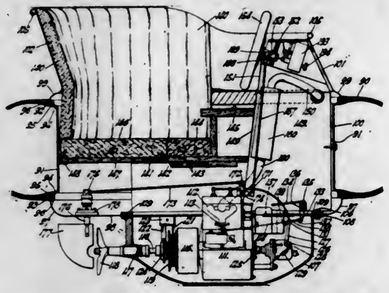
with a member of the class consisting of chlorine and bromine.

2,343,312
POWER TRANSMISSION
Edwin R. Maurer, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application October 9, 1940, Serial No. 360,461. Divided and this application April 2, 1942, Serial No. 437,311
7 Claims. (Cl. 74—336)



1. In a variable speed power transmission having a driving shaft and a driven shaft, means for driving the driven shaft from and at a reduced speed relative to the driving shaft comprising a gear train including a gear journaled on said driven shaft; means for driving the driven shaft in direct drive with the driving shaft comprising a centrifugal member driven by said driving shaft and non-rotatable relative thereto and a second centrifugal clutch member adapted to be clutched by said first mentioned centrifugal clutch member under control of said driving shaft for driving said driven shaft; a toothed clutch member for associating said second centrifugal clutch member in drive with said gear, said toothed clutch member connected by splines to said driven shaft and shiftable axially thereof; a second toothed clutch member having external teeth adapted for engagement by internal teeth on said first toothed clutch member; and an overrunning connection between said second clutch member and said gear, said overrunning connection permitting said driven shaft to overrun said gear in forward direction of rotation when said toothed clutch members are engaged.

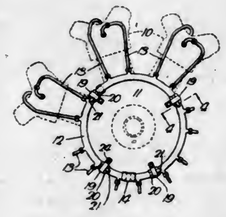
2,343,313
AQUATIC AMUSEMENT APPARATUS
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C Maynes, North Tonawanda, N. Y.
Application August 4, 1939, Serial No. 288,407
6 Claims. (Cl. 9—1)



2. In amusement apparatus, a boat having propulsion means including an engine with a throttle valve, a steering gear for said boat, means operable by and upon steering movement of the steering gear for opening said throttle valve, and means for slowly closing said throttle valve when said steering gear operable means is ineffective.

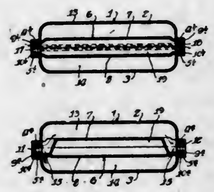
5. In apparatus of the class described, a hull having a substantially circular bottom wall and a substantially cylindrical side wall extending upwardly therefrom, a pneumatic tire mounted upon and extending around said side wall, a well in said circular bottom wall depending therefrom in substantially diametrical relation thereto, and drive means including a motor in said well and a rotatable shaft for a screw propeller extending through an end wall of said well in a vertical plane in substantially diametrical relation to said cylindrical side wall.

2,343,314
AIRPLANE IGNITION HARNESS
Kenneth W. Miller, Chicago, and Hiram W. Sheridan, Oak Park, Ill.
Application May 24, 1941, Serial No. 395,112
12 Claims. (Cl. 123—148)



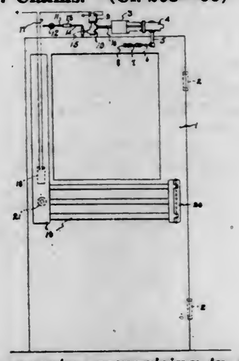
1. Means for protecting insulated ignition wires of airplane engines from high frequency induction, including a continuous ring-shaped metal manifold enclosing the wires and forming a closed circuit.

2,343,315
TANK
Willard L. Morrison, Lake Forest, Ill.
Application April 6, 1939, Serial No. 266,241
3 Claims. (Cl. 257—245)



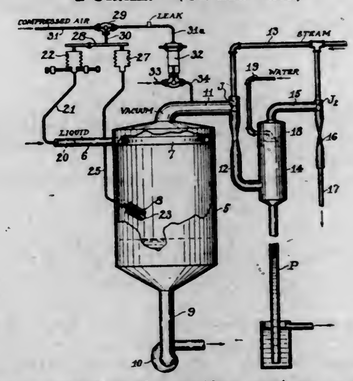
3. A tank comprising outer separate sheets shaped to provide a receiving space for material, and inner separate sheets shaped to provide a separate space for material on the interior of the space formed by the outer sheets, outwardly extending overlying flanges on all of said sheets, said flanges being shaped to form separate admission openings for the space between the outer sheets and the space between the inner sheets and separate discharge openings for the space between the outer sheets and the space between the inner sheets, a line connecting the admission opening and the discharge opening for the space between the outer sheets crossing the line between the admission opening and the discharge opening for the space between the inner sheets.

2,343,316
DOOR OPERATOR
John R. Newkirk, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application March 30, 1943, Serial No. 481,107
7 Claims. (Cl. 268—66)



1. A door operator comprising in combination a movably mounted door, a differential door engine connected to said door, means when energized for controlling the exhaust of pressure fluid from the large cylinder of said engine and for supplying pressure fluid to both cylinders when de-energized and means mounted on said door for energizing said controlling means, whereby when said large cylinder is exhausted the air in the other cylinder operates the engine to open the door a short distance.

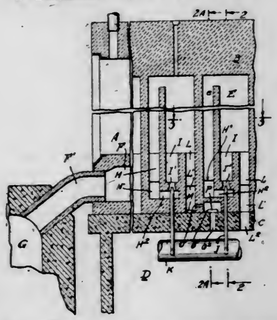
2,343,317
APPARATUS FOR GOVERNING DEAERATION
Raymond E. Olson, Pittsford, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application April 4, 1941, Serial No. 386,891
1 Claim. (Cl. 183—2.5)



In a controlled deaerating system, a deaerating tank having a trough located at an intermediate point on the inside wall thereof above the maximum level of the treated solution in the tank, means including an untreated solution inlet pipe terminating in spray outlets in the upper portion of the tank, an outlet pipe for the treated solution communicating with the bottom of the tank, a vacuum pipe connectible to vacuum generating means and communicating with the top portion of the tank, a thermosensitive device responsive to the temperature of the untreated solution in the inlet pipe, a second ther-

mosensitive device having its thermosensitive element located in said trough, and means responsive to the joint action of said devices for maintaining a given relation between the amount of untreated solution admitted into said tank through said inlet pipe and the degree of vacuum maintained in said vacuum pipe.

2,343,318
UNIFLOW TYPE COKE OVEN
Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware
Application April 25, 1942, Serial No. 440,495
3 Claims. (Cl. 202—135)



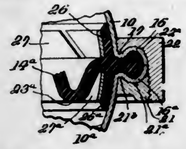
1. In a uniflow heat coke oven battery of the uniflow type, the combination with horizontal elongated coking chambers, of heating walls alongside the coking chambers and each formed with vertical flues connected at their upper ends in pairs to form hairpin flues each comprising an upflow flue and a downflow flue, means for supplying fuel gas and combustion air to the lower end of each upflow flue, means for returning a portion of the gases flowing down in each downflow flue to the lower end of an adjacent upflow flue and means for withdrawing the gases flowing down in each downflow flue and not returned to an adjacent upflow flue.

2,343,319
DRILLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 2, 1940, Serial No. 349,471
6 Claims. (Cl. 279—93)



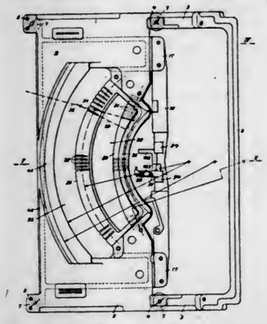
1. In a driving means for a drill bit, a chuck comprising a chuck sleeve having a bore for receiving a cylindrical portion on a bit driving element and carrying means providing a tapered seat coaxial with the bore of the chuck sleeve, said chuck sleeve also carrying at least one locking and driving pin, a tubular element constituting driving means for a drill bit and having a cylindrical portion receivable in said bore and having a bayonet groove for the reception of said pin and further having a tapered portion engageable with said tapered seat for centering said tubular element relative to said chuck sleeve, and sealing means housed in said chuck sleeve for sealingly engaging the exterior periphery of said tubular element.

2,343,320
ACCUMULATOR
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application March 18, 1940, Serial No. 324,720
4 Claims. (Cl. 138—30)



1. An accumulator comprising a pair of members defining a casing and having edge portions shaped to provide opposed recesses, a diaphragm extending across the casing and having around the edge thereof an enlarged annular bead disposed between the edge portions of said members, clamping means for effecting movement of said members toward one another whereby to clamp the said bead, and means providing annular flange portions on the diaphragm and disposed within the casing and abutting against the inner surfaces of the said members whereby to provide an additional fluid seal.

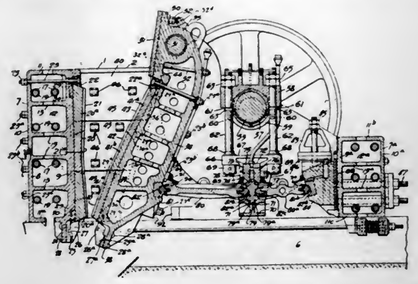
2,343,321
TYPEWRITING MACHINE
Leopold Ferdinand Pascher, Schweizertal, Germany; vested in the Alien Property Custodian
Application November 1, 1940, Serial No. 363,851
In Germany October 17, 1936
3 Claims. (Cl. 197—186)



1. In a type writing machine, comprising the type levers, the key levers, the intermediate levers, and a frame provided with slotted segments providing bearings respectively for said type levers, key levers and intermediate levers, the bearings of said intermediate levers and type levers being concentric, the bearings for said key levers being curved along a larger radius than the bearings of said type levers, and the lengths of the segments carrying the intermediate levers and key levers being substantially alike.

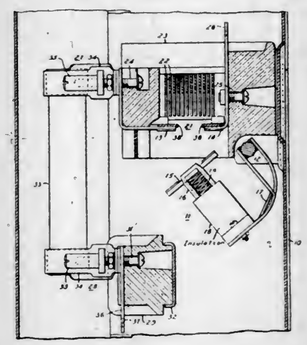
2,343,322
CRUSHING MACHINE
Edward T. Peterson, Reading, Pa.
Application October 13, 1941, Serial No. 414,895
6 Claims. (Cl. 83—53)

1. In a crushing machine of the type having a housing formed by spaced side walls with a drive axle spanning and journaled to said walls, a stationary jaw and a swing jaw, the combination of a bearing block spaced from said stationary jaw, means for actuating said swing jaw comprising an eccentric formed on said drive axle, a vertically adjustable pitman having a box formed by segmental top and bottom bearings encircling said eccentric, a head spaced from said box and interposed between said swing jaw and bearing block, means extending between said swing jaw and bearing block and head, a plurality of rods



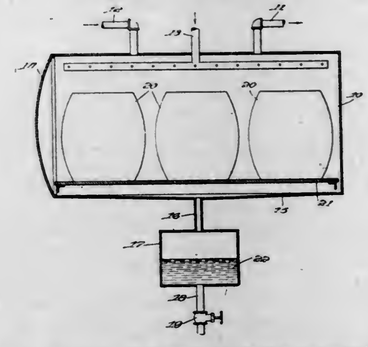
joining said segmental top bearing and head, said head having a lower tie bar Y-shaped in vertical cross section, and a top connecting plate inverted L-shaped in vertical cross section, a wear block interposed between said tie bar and top connecting plate, and a retainer bar removably secured to said top plate and adapted to maintain said wear block in fixed position.

2,343,323
ELECTRIC SWITCH
Lawrence Pierce, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,357
5 Claims. (Cl. 200—147)



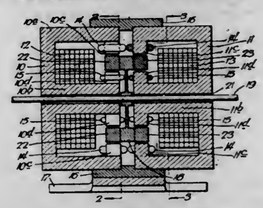
1. In an electric switch, in combination, a pair of spaced stationary contact members, a bridging contact member for engaging and disengaging said stationary contact members to establish and interrupt an electric circuit therethrough, an arc extinguishing device disposed adjacent the stationary contact members, and a piece of magnetic material mounted on the side of each stationary contact member opposite the side engaged by the bridging member and disposed between the stationary contact members and the arc extinguishing device for moving the arcs formed during the interruption of the circuit between said stationary contact members into said extinguishing device.

2,343,324
VACUUM MOISTENING SYSTEM
Orrin H. Pilkey, Chicago, Ill., assignor to The Guardite Corporation, a corporation of Illinois
Application April 15, 1940, Serial No. 329,817
3 Claims. (Cl. 131—133)



1. A vacuum moistening device comprising an airtight chamber adapted to contain material to be treated, a door on said chamber, means for evacuating the chamber to a low absolute pressure, means for supplying liquid water within the chamber, a closed drain tank outside the chamber, and a permanently open pipe of small cross-section connecting the drain tank and the chamber, said drain pipe being not substantially greater than two inches inside diameter when said chamber is adapted to hold material equivalent in volume to three hogsheads of tobacco.

2,343,325
ELECTRIC IMPULSE MOTOR
Emil L. Ranseen, Chicago, Ill.
Application March 14, 1942, Serial No. 434,737
20 Claims. (Cl. 172—36)



16. A magnetic-electrical device including a rotor having a plurality of sets of circumferentially spaced armature members thereon, the angular spacing of circumferentially adjacent members being substantially uniform throughout, and stator means including magnetic means forming magnetic circuits through each of said sets, the magnetic means in each path including pole portions forming an air gap therebetween in which one of said sets rotates, and at least one of the pole portions adjacent each set being subdivided into separate poles having an angular spacing correlated to that of the armature portions, the angular relationship between the sets and the poles adjacent thereto being such that when one set lies closest to its adjacent poles, the other armature members considered collectively lie approximately midway between their cooperative poles circumferentially; and coil means surrounding the rotor axis and a portion of each magnetic circuit to cooperate with the rotor and spaced poles in said circuit.

2,343,326

AMINOPHENOL DERIVATIVE AND PHOTOGRAPHIC DEVELOPER CONTAINING IT

Verne H. Reckmeyer, Binghamton, N. Y., and August H. Brunner, Jr., Bel Air, Md., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application May 20, 1941, Serial No. 394,286. Divided and this application February 20, 1943, Serial No. 476,628

5 Claims. (Cl. 95—88)

1. A photographic developer containing a water soluble sulfite and as a developing agent the reaction product of a monomethyl amino phenol with a compound selected from the class consisting of sulfamic acid and dry sulphur dioxide.

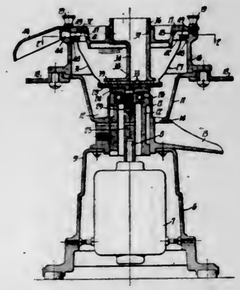
2,343,327

FRUIT AND VEGETABLE JUICE EXTRACTOR

Albert G. Reynolds, Oakland, Calif., assignor to R. Y. P. Mfg. Co., Oakland, Calif., a corporation of California

Application August 8, 1939, Serial No. 288,982

4 Claims. (Cl. 210—68)



1. A fruit and vegetable juice extractor comprising, a rotary food basket mounted on a substantially vertical axis of rotation and having an annular concentric perforated side wall and a bottom wall and adapted to receive ground food such as fruits and vegetables and the like adjacent the bottom thereof, means to deliver food to be ground to said bottom wall, means for rotating said basket about its axis at a high velocity of several thousand revolutions per minute to effect a centrifugal movement of the ground food outwardly against the lower part of said wall, the lower part of said wall being formed with a shoulder to receive and break up the ground food centrifugally thrown thereagainst, the remainder of said wall sloping upwardly and outwardly from said shoulder to facilitate the upward travel of the ground food thereover in a relatively thin layer, and juice collector means surrounding said wall and adapted to receive the juice centrifugally expelled through said wall.

2,343,328

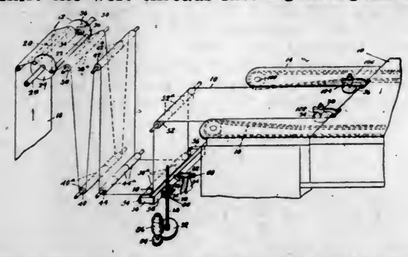
WEFT STRAIGHTENING METHOD AND APPARATUS

John D. Robertson and Joseph L. Dube, Taunton, Mass., assignors, by mesne assignments, to said Robertson

Application December 14, 1940, Serial No. 370,168

14 Claims. (Cl. 26—51)

1. A method of straightening the weft threads of a cloth web, which consists in advancing the web of cloth and twisting a spread section of the web to increase the length of travel of one edge of the web over the length of travel of the other edge of the web in direction and amount to shift the weft threads into right angular relation with the warp threads while maintaining that portion of the web free from any material tendency toward lateral displacement.



2,343,329

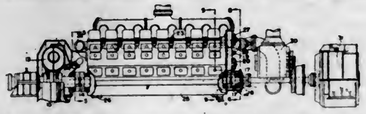
DIESEL ENGINE

Robert J. Ruths, Baltimore, Md.

Application December 16, 1942, Serial No. 469,209

10 Claims. (Cl. 123—53)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



8. An inverted-V type internal combustion engine having a common combustion chamber at the vertex of the V for each pair of cylinders on opposite legs of the V connected to a pair of crankshafts which are geared to a common drive shaft, a fuel injection nozzle, a pair of exhaust valves at the top of the chamber, and a series of tangentially arranged inlet ports around the bottom of each cylinder controlled by the pistons for introducing scavenging air under pressure in a whirling motion to sweep out the burnt gases and furnish a charge of supercharged air after the exhaust valves are closed and prior to the compression.

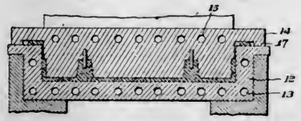
2,343,330

METHOD OF MANUFACTURING RESIN-BEARING FIBROUS PULP ARTICLES

Edward E. Sawyer, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, as trustee

Application May 6, 1943, Serial No. 485,790

2 Claims. (Cl. 18—47.5)



1. In the method of manufacturing a resin-bearing fibrous pulp article by hot pressing a mold charge to the desired article shape and thickness between a pair of imperforate heated dies, the steps which comprise intimately mixing resin and fibres in a liquid vehicle, suction-forming substantially flat blanks from said liquid mixture on foraminous forming dies, removing said blanks from the forming dies and drying the same, placing at least one of said blanks into one of said pair of dies, said dies having a configuration substantially different from the configuration of said blanks, closing said die pair on the mold charge under sufficient heat and pressure to melt the resin and cause the mass of melted resin and fibres to flow as a substantially uniform mixture into every contour of the die cavity, maintaining the dies closed and under pressure until the resin has hardened, and opening the die pair and removing the article.

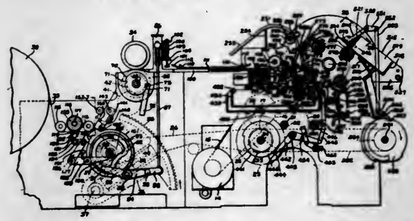
2,343,331

MANUFACTURE OF CONTAINERS AND THE LIKE

Lino Scusa, Phoenix, N. Y., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application January 12, 1939, Serial No. 250,477

44 Claims. (Cl. 93—81)



6. A process of the character described for forming container bodies from paper material which comprises feeding a strip of paper material suitable for winding on a mandrel into the form of a convolute container body, bending the side edges of said strip, winding said strip convolutely in such manner as to cause said bent edges to turn outwardly from the mandrel and provide outwardly flaring ends on the formed container body with a main intermediate portion in which planes including the axis of the body intercept the surface thereof in straight lines, and applying a label to said main intermediate portion of the outer surface of said container body and inwardly of said outwardly flaring ends.

21. A machine of the character described for forming container bodies having a coating on one side thereof from a sheet of paper material comprising means for feeding said sheet, means including a plurality of slitter knives arranged adjacent the coated side of said sheet for slitting said sheet from the coated side into a plurality of strips having widths equal to the height of the formed container bodies, means for bending the side edges of said strips in such manner as to cause the ends of the formed container bodies to flare outwardly, mandrel means for simultaneously winding said plurality of strips into the form of container bodies, and means including a roller for ironing said strips against the mandrel during the winding operation, said roller being provided with a plurality of spaced grooves positioned to correspond with the slits in said paper sheet and said grooves being adapted to receive the outturned ends of the container bodies and prevent flattening of the paper strips during the winding operation.

2,343,332

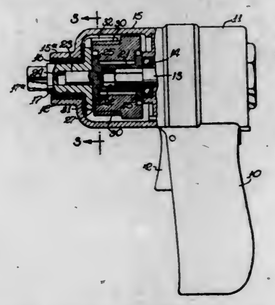
IMPACT CLUTCH

Ernest H. Shaff, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a corporation of Michigan

Application August 6, 1941, Serial No. 405,599

14 Claims. (Cl. 192—30.5)

1. An impact clutch comprising, in combination, a revoluble driver having a first pair of abutments thereon located at points spaced circumferentially about the axis of driver rotation, said abutments presenting substantially flat abutment surfaces facing respectively generally forwardly for corresponding opposite directions of driver rotation, a weight having a portion loosely embracing the portion of the driver between said first pair of abutments and having a second pair of abutments rigid with said weight



and slidably contacting said surfaces of said first pair of abutments, a driving tooth rigid with the outer portion of said weight and disposed generally equidistantly between said second pair of abutments, and a driven member revoluble coaxially with said driver and presenting a pair of impact shoulders engageable alternatively by said driving tooth during rotation of said weight by said driver in respective opposite directions.

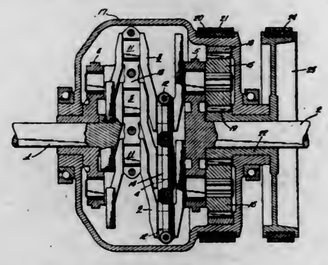
2,343,333

MECHANICAL DEVICE

John S. Sharpe, Haverford, Pa.

Application November 3, 1942, Serial No. 464,377

6 Claims. (Cl. 74—269)



1. In a mechanical movement, coaxial driving and driven members; a planetary system comprising rotary orbit and sun elements coaxial with said members, and a planetary element journaled eccentrically on one of said members and having a driving connection with the other member, said driving connection affording equal speeds of rotation for said other member and the planetary element; and means for selectively immobilizing said orbit and sun elements.

2,343,334

MECHANICAL MOVEMENT

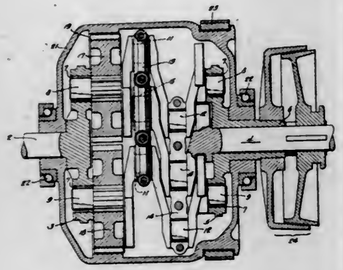
John S. Sharpe, Haverford, Pa.

Application December 31, 1942, Serial No. 470,740

17 Claims. (Cl. 74—298)

1. In a mechanical movement, coaxial shafts, a planetary assembly comprising a member coaxial with the shafts and a plurality of planetary elements journaled on one of the shafts on axes

offset from the shaft axis and coactive with said member, a plurality of cranks on the other of said shafts angularly offset with respect to each other, a plurality of cranks connected with each



of the planetary elements and correspondingly angularly offset about the axis of the element, and means for connecting the cranks of said shaft respectively with the corresponding cranks of the planetary elements.

2,343,335

ELECTRICAL CONTROL CIRCUIT

Roscoe H. Smith and Lloyd E. Miller, Cleveland, Ohio, and Leon M. Dunning, Boston, Mass., assignors to The Reliance Electric and Engineering Company, a corporation of Ohio

Original application August 17, 1940, Serial No. 353,102. Divided and this application April 21, 1942, Serial No. 439,924

7 Claims. (Cl. 172—239)

1. In a control system, the combination of a motor having an armature and a field, a normal voltage generator having an armature and a field, a low voltage generator having an armature and a field, electrical means for energizing the said fields, variable resistance means for varying the field excitation of the normal and low voltage generators, first circuit means for connecting the armature of the motor in circuit relation with the armature of the low voltage generator, second circuit means for connecting the armature of the motor in circuit relation with the armature of the normal voltage generator, selective control means for selectively operating the first and second circuit means, common means for operating the variable resistance means and the selective control means, and protective means responsive to the voltage difference of the generators for also operating the selective control means.

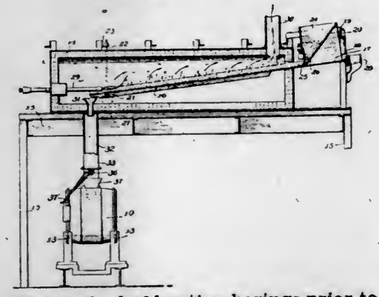
2,343,336

METHOD OF HEATING BORINGS PRIOR TO MELTING

Howard E. Somes, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application August 9, 1937, Serial No. 158,009. Divided and this application December 23, 1940, Serial No. 371,354

7 Claims. (Cl. 75—65)



1. The method of heating borings prior to their delivery to a melting furnace which comprises moving the borings longitudinally down an incline, directing a flame at a small acute angle up said incline and redirecting hot gases longitudinally toward said incline after rising therefrom.

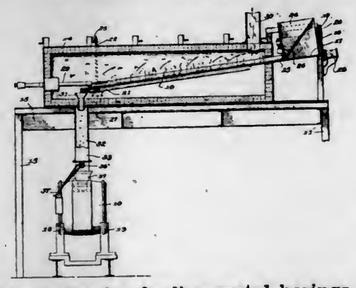
2,343,337

APPARATUS FOR MELTING METAL

Howard E. Somes, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 11, 1941, Serial No. 374,120

6 Claims. (Cl. 263—21)



1. Apparatus for feeding metal borings or the like to a melting furnace comprising an elongated kiln, an inclined vibratory conveyor mounted in the kiln, means for vibrating the conveyor to feed borings downwardly therealong, means carried by the conveyor and vibrated therewith for feeding of borings at a uniform rate to the higher end of the conveyor, an exhaust stack communicating with the upper interior of the kiln near the higher end of the conveyor, a burner mounted within the kiln near the lower end of the conveyor, and arranged to direct a flame upwardly and inclined along the conveyor in the direction of the exhaust stack, a closed chute for conveying the borings from the lower discharge end of the vibratory conveyor, a hopper surrounding the lower end of the chute, a slide valve for the lower end of the chute, said hopper being arranged to feed borings from said chute into a melting furnace, and means for controlling the opening and closing of said slide valve for admission of borings to the furnace.

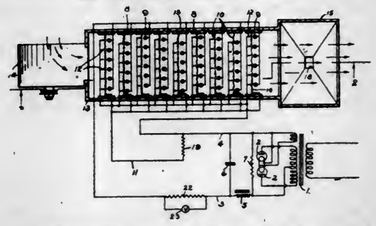
2,343,338

METHOD AND MEANS FOR PURIFYING AIR

Van H. Steel, Portland, Oreg.

Application September 13, 1941, Serial No. 410,787

19 Claims. (Cl. 21—54)



1. The method of purifying air comprising directing a stream of air thru an electric field, lying between closely spaced positive and negative electrodes, such field being of such intensity as to ionize the oxygen molecules therein but of insufficient intensity to ionize substantial amounts of nitrogen therein.

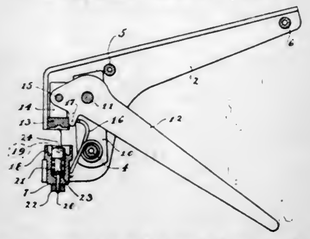
2,343,339

HAND PRESS FOR AFFIXING SEALS

William Stelzer, Detroit, Mich.

Application August 17, 1942, Serial No. 455,141

4 Claims. (Cl. 81—9.1)



1. A hand press for affixing a two part seal consisting of a capsule and a disc to a cord or the like, said hand press having a housing consisting of two stamped halves, a curling die to curl the rim of said capsule over said disc, an ejector pin slidable within said curling die backed by a resilient member, a punch in axial alignment with said curling die to press said capsule against said curling die when said hand press is in a closed position, a lever to actuate said punch member, said housing halves being shaped to form a guide for said punch member so that the latter may move in axial alignment with said die, one end of said housing being extended to serve as a lever, and resilient means urging said hand press in an open position.

2,343,340

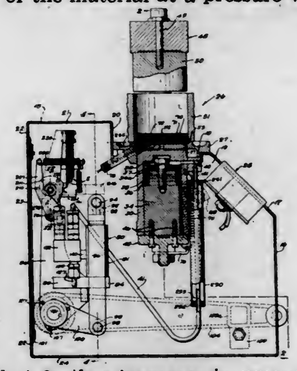
METHOD FOR MEASUREMENT OF MOISTURE CONTENT IN GRANULAR MATERIALS

Robert L. Stevens, Santa Monica, Calif., assignor, by mesne assignments, to Moisture Register Company, Los Angeles County, Calif., a corporation of California

Application October 24, 1940, Serial No. 362,700

5 Claims. (Cl. 175—183)

1. The method of making a moisture test of granular, powdered, shredded or other loose or compressible materials, that comprises compressing a sample of the material, creating a high frequency field in said material, and determining the moisture content of the material by its influence on said field while sustaining the compression of the material at a pressure value sufficient that further increases in pressure do not materially influence the result.



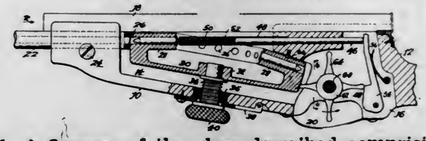
2,343,341

FIREARM

Herman Sundquist, Worcester, Mass.

Application December 1, 1941, Serial No. 421,096

3 Claims. (Cl. 42—59)



1. A firearm of the class described comprising a barrel, a stock, a forepiece for said stock, a recess in said forepiece, an adjustable and removable pin in said forepiece extending into said recess at an angle to said barrel, a rotary shell holder on said pin, a series of substantially radial bores in said holder for successive alignment with said barrel, a central recess in said holder with which said bores communicate, said holder being in the form of a flat cup having its major plane at an angle to said barrel, a firing pin extending into said holder recess in alignment with said barrel, a hammer pivoted in said stock and having a free end in normal engagement with said firing pin to urge it to firing position, a spring urging said hammer into engagement with said firing pin, a shoulder on said hammer, a series of separate angular slots in the periphery of said holder, a rotary trigger having a plurality of radial fingers adapted to rotate in a plane at right angles to said holder, each finger engaging in successive angular slots to rotate said holder as the trigger is rotated, said fingers also successively engaging said hammer shoulder to retract the latter against its spring as the holder is rotated, means effective to provide successive pauses in the rotation of said holder at firing stations thereof regardless of the rotation of said trigger, and means to retract said firing pin as said hammer is retracted.

2,343,342

RAILWAY BRAKE

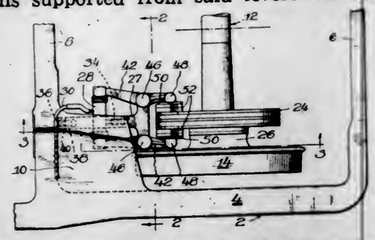
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application May 1, 1942, Serial No. 441,257

10 Claims. (Cl. 188—59)

1. In a brake arrangement, a vehicle frame, a supporting wheel and axle assembly, a brake

disc supported therefrom, a brake frame spaced from said assembly, power means on said brake frame, brake levers pivotally fulcrumed therefrom and engaged with said means, friction means supported from said levers for engagement with opposite sides of said disc, and a support for said brake frame, said support being characterized by a connection between the top of said brake frame and said vehicle frame and another connection between said vehicle frame and the end of said brake frame remote from said disc.

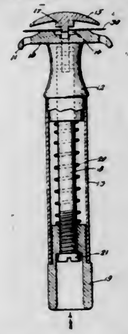


2,343,343

SAFETY RAZOR

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application May 26, 1943, Serial No. 488,571
10 Claims. (Cl. 30—70)



1. A safety razor having a blade-supporting member, a cap having a concave face for transversely flexing an apertured blade presented upon said member and a projecting retaining device, a spring for moving said cap into blade-flexing position and thereby bowing the blade into engagement with said retaining device, and screw-threaded means for thereafter clamping the cap upon the blade.

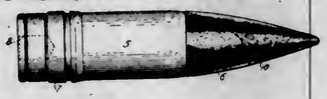
2,343,344

PROJECTILE

Russell G. Thompson, Elmira, N. Y.

Application December 26, 1941, Serial No. 424,405
14 Claims. (Cl. 102—52)

2. A projectile comprising a cylindrical body having a bluntly pointed end, a molded on windshield of rigidly thermosetting plastic material,



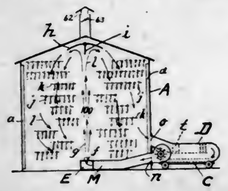
and means bonding said windshield to the end of said body.

2,343,345

METHOD OF CURING GREEN TOBACCO

Rush D. Touton, Cynwyd, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 11, 1940, Serial No. 369,652
17 Claims. (Cl. 131—140)



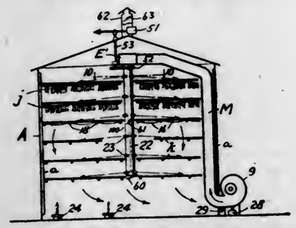
1. The method of curing green tobacco leaves after harvesting which comprises supporting green tobacco leaves in superimposed banks, opposite ends of the banks being exposed to atmospheric air and adjacent ends of the banks being separated to form a free zone and causing conditioned air from said free zone at a positive pressure therein to flow laterally outwardly into the banks of tobacco leaves whereby the tobacco leaves in the opposite end portions of the banks will be cured by atmospheric air and the tobacco leaves in the adjacent end portions of the banks will be cured by conditioned air.

2,343,346

APPARATUS FOR CURING GREEN TOBACCO

Rush D. Touton, Cynwyd, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 11, 1940, Serial No. 369,653
11 Claims. (Cl. 131—135)



1. Apparatus for the treatment of tobacco comprising a chamber, louvers in a pair of opposite walls of the chamber, ventilating means in the top of the chamber, air conditioning means, means for the support of tobacco leaves in banks within the chamber, a duct extending vertically within said chamber intermediate a pair of the walls thereof and provided with lateral discharge openings along its length and means connecting said duct with the air conditioning means.

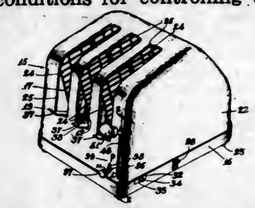
2,343,347

OPERATION CONTROLLING METHOD AND MEANS

Charles Roger Turner, Evanston, Ill.

Application April 13, 1940, Serial No. 329,452
26 Claims. (Cl. 161—1)

1. The method of controlling the action of a working device through a cycle of operation involving variable temperature conditions which includes the steps of driving a liquid of predetermined heat sensitivity from one chamber to a second chamber as an incident to commencement of the cycle of operation, returning the liquid from the second chamber to said one chamber through a bleeder passage, and in the passage subjecting the liquid to the variable temperature conditions for controlling the viscosity



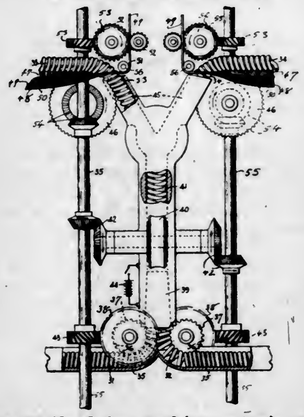
of the liquid and thereby determining the rate at which the liquid returns to the said one chamber so as to substantially synchronize the time of the cycle of operation in inverse ratio to the prevailing temperature.

2,343,348

MAKING SEPARABLE FASTENERS

Nicolas Wahl, New York, N. Y.

Application October 30, 1941, Serial No. 417,154
16 Claims. (Cl. 18—59)



1. The method for making a pair of rows of links which are positively interlocked in slide fastener fashion, comprising making a pair of rows of interconnected filament loops composed of a material which can be set to have such loops assume the natural form into which they are pressed, placing a loop of one row upon a loop of the other row and a loop of the other row upon a loop of the one row so that the free sides of the rows overlap each other from the respectively interconnected sides of the loops, shaping the loops by successively applying to the overlapping loops pressure pushing the free side of each loop into a loop of the other row while the interconnected side thereof is less distant from an adjacent loop of the respective row than it is wide in the direction of that row, and causing the loops to set and assume as their natural form the shape into which they are pressed.

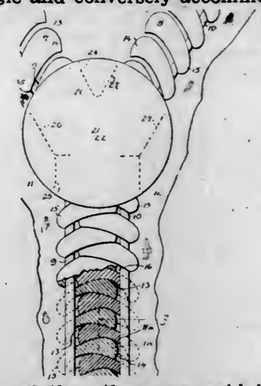
2,343,349

SEPARABLE FASTENER

Nicolas Wahl, New York, N. Y.

Application November 5, 1941, Serial No. 417,938
22 Claims. (Cl. 24—205)

8. A separable fastener comprising interlockable rows of links, each separate link being closed by a continuous, convex surface on one side, having a recess in the other side, and extending in an interlocked position endwise into a corresponding recess of a link of the other row at an obtuse angle and conversely accommodating an-



other link of the other row, said links of the other row being revolvable about substantially parallel axes on said separable link when interlockedly positioned thereon.

2,343,350

ANCHOR

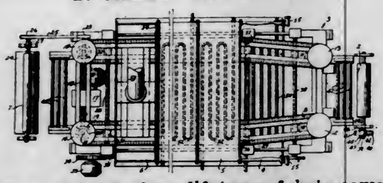
Walter F. Warren, Hermosa Beach, Calif., assignor, by mesne assignments, to Cooper Aircraft Mooring Co., a copartnership

Application November 25, 1941, Serial No. 420,391
8 Claims. (Cl. 189—91)



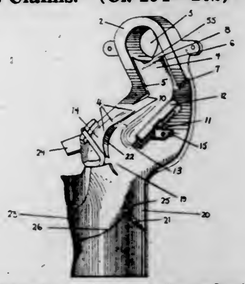
1. An anchor comprising a tubular body member adapted to be penetrated into the ground and having a fluke-opening therein, a fluke adapted to be moved between a retracted position lying substantially completely within said tubular body member and parallel thereto and an extended position in which the fluke is extended through said opening, means movable longitudinally in said body member for projecting and retracting said fluke through said opening, said opening being substantially filled by said fluke when the latter is in retracted position within and extending parallel to said body member and said body member and the underside of said fluke having cooperating similar contact surfaces which contact with each other over a substantial area extending inwardly from the orifice of said opening when said fluke is in retracted position, whereby entry of soil through said opening during ground-penetrating movement of said anchor member is minimized.

2,343,351
METHOD AND APPARATUS FOR MODIFYING TEXTILE FABRICS
Frederick Charles Wedler, Media, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 26, 1942, Serial No. 432,416
17 Claims. (Cl. 26—51)



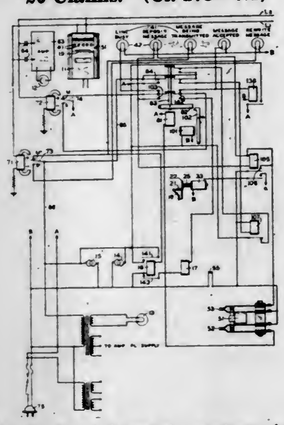
1. In a method of modifying a fabric comprising yarns containing thermoplastic material, the steps of engaging spaced points along the boundaries of said fabric while continuously moving said fabric in a longitudinal path, bringing the points of engagement of the fabric without releasing the fabric into effective separation distances defining the desired final dimensions of the fabric along a portion of its path, heating said fabric to its softening point along said portion of the path to effect partial coalescence of the yarns thereof and to cause said fabric to attain the desired final dimensions, and subsequently setting said fabric while maintaining it without slack in said final-dimension condition by reducing its temperature below the softening point.

2,343,352
COIN SELECTOR FOR COIN CONTROLLED MACHINES
Edward G. Weller, Columbus, Ohio
Application May 28, 1938, Serial No. 210,692
8 Claims. (Cl. 194—102)



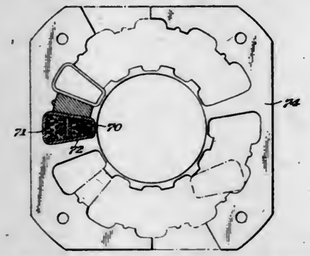
1. In combination in a coin selector, a coin entrance having a bore of the diameter of the respective genuine coin, a passageway leading therefrom having a thickness equal to the thickness of said coin, an elbow slightly curved laterally leading from said passageway to a coin channel, said channel being inclined laterally and also inclined edgewise, the lowermost edge of said channel comprising a V-groove and the uppermost edge of said channel comprising a coin-supporting surface so inclined as to tend to crowd the coins into the V-groove and to impart a somewhat spiral motion to the coins, said coin-supporting surface merging with an inclined surface below the lower end of said V-groove, said coin channel having its lower plate cut away to such a distance from the V-groove as to cause coins thinner or smaller in diameter than genuine coins to slip off the inner edge of said coin-supporting surface and be ejected, said coin-supporting surface being adapted to guide genuine coins into a deposit channel.

2,343,353
SYSTEM AND APPARATUS FOR FACSIMILE TELEGRAPHY
Raleigh J. Wise, Dunellen, and Garvice H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original application April 22, 1939, Serial No. 269,314, now Patent No. 2,262,715, dated November 11, 1941. Divided and this application April 19, 1941, Serial No. 389,278
20 Claims. (Cl. 178—7.1)



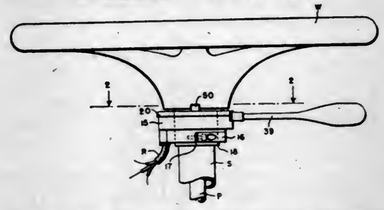
1. A facsimile telegraph system including a communication circuit, a transmitting apparatus connected to said circuit for transmitting message signals over said circuit, a receiving apparatus connected to said circuit for recording said message signals, a plurality of indicating signals located respectively at said transmitting apparatus and said receiving apparatus, means for transmitting a first group of supervisory signals over said circuit for controlling the operation of said transmitting apparatus and the associated indicating signals from said receiving apparatus, and means for transmitting a second group of supervisory signals over said circuit for controlling the operation of said receiving apparatus indicating signals from said transmitting apparatus.

2,343,354
ELECTRIC MOTOR
Frederick Wolf, Cleveland, Ohio, and Frantisek Sigmund, New York, N. Y., assignors to The Lake Erie Chemical Company, a corporation of Ohio
Application October 22, 1941, Serial No. 416,066
7 Claims. (Cl. 172—36)



7. A stator for electric motors comprising a stack of magnetic metal plates having a central rotor receiving bore extending therethrough, and an arcuate winding receiving slot extending concentrically around said bore and dividing said stator into inner and outer portions, a plurality of windings in said arcuate slot, said outer portion having an opening extending radially out from said slot, said opening having a relatively narrow width constituting a fraction of the circumferential extent of said slot to provide a throat to said slot to afford access to the arcuate slot whereby said windings may be positioned in the said slot through the said opening, and a plurality of magnetic elements positioned in said slot between adjacent windings and bridging the inner and outer portions of said stator, said bridging magnetic elements comprising particles of magnetic material.

2,343,355
TURN SIGNAL SWITCH
Basil J. Yanchenko and Harry A. Steele, Syracuse, N. Y., assignors to Protectall Motor Signal, Inc., Syracuse, N. Y., a corporation of Illinois
Application October 29, 1941, Serial No. 416,964
12 Claims. (Cl. 200—59)



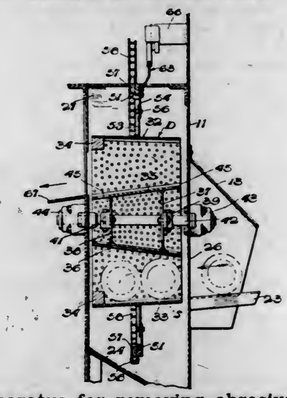
1. An automotive turn signal switch comprising, in combination, an annular casing adapted to be concentrically anchored on the housing of a steering shaft, a manually operable switch annulus mounted in the casing and carrying a switch blade to make and break a signal circuit, a driving ring mounted in the casing adapted for permanent connection with an automotive steering wheel and for turning continuously therewith, a segmental recess in the driving ring forming spaced notches, a segmental recess in the casing forming spaced cams, and an arcuate pawl pivotally mounted at its center on the switch annulus, the ends of the pawl engageable with the notches to establish a driving connection between the switch annulus and the driving ring in order to automatically break the signal circuit and engageable with the cams in order to disengage said driving connection.

2,343,356
COLLAPSIBLE DRAWER—SAGLESS BOTTOM
Philip Zalkind, New York, N. Y.
Original application October 19, 1935, Serial No. 45,715. Divided and this application May 7, 1940, Serial No. 333,744
2 Claims. (Cl. 45—7)



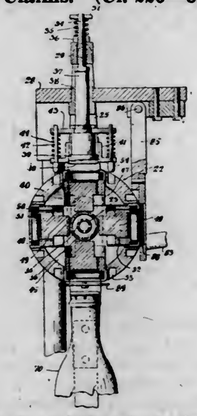
2. A slidable collapsible drawer having side and bottom walls, braces supported by the walls of said drawer, means forming a false bottom and comprising a panel having a width greater than the distance between said braces and being arched upwardly, said panel being supported by said braces.

2,343,357
ABRASIVE REMOVING APPARATUS
Harry R. Zimmerman, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application December 28, 1940, Serial No. 372,129
10 Claims. (Cl. 214—1.1)



9. Apparatus for removing abrasive from the interior of hollow articles each having an opening in an end thereof comprising, a drum supported to revolve about its axis, a chordal compartment in said drum at one side of said axis and having an article receiving opening at one end of the drum and discharge opening at an opposite end of said drum, said compartment being formed with a relatively flat wall to receive an article from a position at an end of the drum when the drum is in loading position, and a second wall inclined relative to the first wall to effect discharge of the article from an opposite end of the drum when the drum has rotated about its axis to a position where the article is supported by said second wall.

2,343,358
MACHINE FOR MANUFACTURING AND APPLYING BOTTLE CAPS
Emil Anderson, Briarcliff Manor, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application August 25, 1939, Serial No. 291,833
5 Claims. (Cl. 226—85)



5. An apparatus of the character described for forming and applying cap-like closures including a turret, presenting a plurality of openings,

tubes coextensive with said openings and adapted to hold said closures, plungers for forming and applying said closures, the applying plungers being opposed and slidably mounted within said tubes, a shaft for mounting said turret and a collar loosely encircling said shaft and contacting with said applying plungers, the collar being movable with and by opposed plungers whereby when one of said applying plungers is retracted in a closure forming stroke of the forming plunger, one of the opposed applying plungers will be projected by the movement of said collar and will thereby be effective to apply a formed closure underlying the same.

2,343,359
SPRAY MATERIAL AND METHOD OF MAKING THE SAME

Robert B. Arnold, Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware

No Drawing. Application July 17, 1940, Serial No. 345,985
11 Claims. (Cl. 167—33)

4. An insecticidal material suitable for use in making aqueous insecticidal combination sprays, comprising essentially a dry, solid, comminuted base-exchange material in chemical combination with an alkaloid selected from the group consisting of nicotine, nornicotine, and anabasine, and constituting a water-insoluble salt of the alkaloid, said water-insoluble salt carrying an adsorbed adherent dry compound of water-soluble non-volatile alkaloid selected from said group, said adherent dry-compound being material selected from the group consisting of; (1) non-volatile mono-basic acid salts of the said alkaloid, (2) volatile polybasic acid salts of said alkaloid, associated with a fixing component, the proportion of said water-soluble non-volatile alkaloid in said compound being in appreciable ratio relative to the amount of alkaloid in the water-insoluble salt.

2,343,360
PARASITICIDAL DUST FOR CONTACT USE AND PROCESS OF MAKING THE SAME

Robert B. Arnold, Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware

No Drawing. Application June 12, 1941, Serial No. 397,737
8 Claims. (Cl. 167—33)

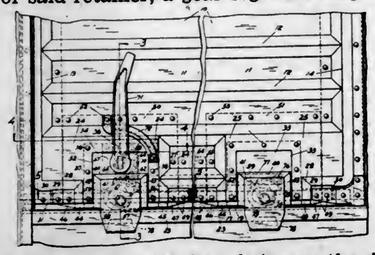
1. A contact dust parasiticidal material comprising a carrier consisting of finely pulverized alkalinized tobacco plant material substantially free from uncombined water, said carrier having a slight alkalinity but never exceeding that equivalent to 2 per cent sodium hydroxide, figured on the weight of the carrier, and a substantially anhydrous alkaloid selected from the group consisting of nicotine, nornicotine, anabasine, said alkaloid being carried in a free, chemically uncombined state by said plant material and constituting at least eight per cent and not substantially more than twenty per cent by weight of the combined weight of said carrier and alkaloid.

2,343,361
CAR DOOR MECHANISM

Wilfred A. Beauchamp, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application January 7, 1942, Serial No. 425,901
3 Claims. (Cl. 16—99)

1. Lift mechanism for a sliding lift door comprising spaced rollers, retainers carrying said rollers, means adapted to journal said retainers on said door between the inner and outer planes thereof, said journal means being offset relative to the centers of said rollers, teeth on one of said retainers disposed inwardly of the outer face of said retainer, a gear segment adapted to

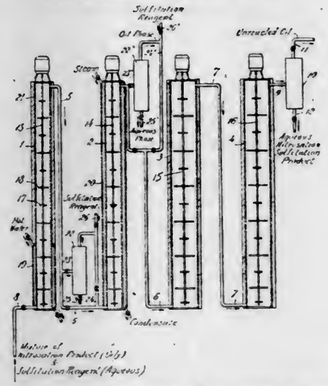


be journalled on said door between the inner and outer planes thereof in meshing relationship with said retainer teeth, operating means mounted upon said gear segment outwardly thereof, and means connecting said retainers for simultaneous operation.

2,343,362
SULPHITATION OF ORGANIC COMPOUNDS

Leland James Beckham, Geddes, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

Application December 30, 1941, Serial No. 424,943
10 Claims. (Cl. 260—513)



1. In the manufacture of nitrosation-sulphitation products involving sulphitation of a nitrosation product in a principal sulphitation step comprising heating at a sulphitation temperature, the improvement which comprises effecting partial sulphitation of the nitrosation product prior to said principal sulphitation step so as to convert between 10% and 50% of said nitrosation product to sulphitation product at a temperature between 15 and 85 centigrade degrees below the principal sulphitation temperature.

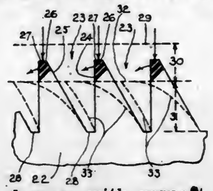
2,343,363
GLUE SPREADER, SURFACE COATER, AND THE LIKE

John E. Black and Robert S. Black, Mendota, Ill.

Application January 13, 1942, Serial No. 426,574
3 Claims. (Cl. 91—67.8)

1. As a new article of manufacture, a main roll for a surface coating machine, comprising a cylindrical roll having a surfacing of rubber

like material, the surface of said surfacing being provided with a series of encircling grooves of generally V-shaped cross-section lying in planes normal to the axis of roll rotation, and establishing ridges between them, each ridge being of inverted V-shaped formation and with both walls of such ridge lying at angles of less

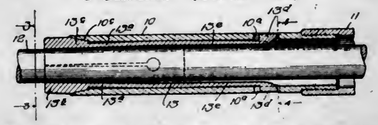


than ninety degrees with respect to the axis of roll rotation and measured in the same direction along said axis, whereby pressure against the ridges results in deflection of the ridges axially with consequent increase of expulsion of material from the grooves and improved action, substantially as described.

2,343,364
FEEDER FOR AUTOMATIC SCREW MACHINES

Walter H. Bochenek, Chicago, Ill.

Application March 4, 1943, Serial No. 477,923
5 Claims. (Cl. 29—62)

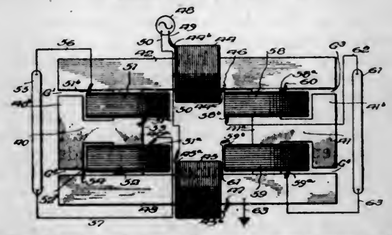


1. A feeder of the character described, including: a carrier; a collet reciprocably mounted in the carrier; resilient feeding fingers on the collet; cooperating beveled surfaces on the carrier and feeding fingers respectively, whereby reciprocations of the collet in the carrier cause alternate tightening and loosening of said fingers; a longitudinal slot in the carrier; and a spring extension on the collet having a lug adapted to be received by and to be longitudinally movable in said slot, the lug and slot cooperating to prevent rotation of the collet in the carrier during feeding and being the sole means for maintaining the collet in operative position in the carrier.

2,343,365
ELECTRICAL TRANSFORMER APPARATUS

Charles Philippe Boucher, Montreal, Quebec, Canada, assignor to Boucher Inventions Ltd., Washington, D. C., a corporation of Delaware

Original application September 20, 1935, Serial No. 41,476. Divided and this application January 4, 1937, Serial No. 119,033
5 Claims. (Cl. 171—119)

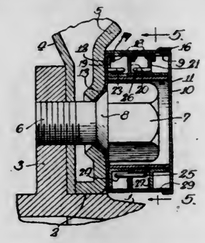


1. In electrical transformer apparatus of the character described, in combination, a primary winding, a secondary winding comprising two coil sections, and a core including an H-shaped portion one leg of which is included in a short main magnetic circuit of low reluctance interlinking primary and secondary windings, with the secondary coil sections being mounted on the upper and lower portions of said leg and the other leg and bar of which provide magnetic shunt paths of increased length and increased reluctance between and outwardly around said secondary winding coil sections during closed-circuit operation of the same.

2,343,366
TIRE LOCK

Olin Brummer, Oak Park, Ill., assignor of one-half to Joseph E. Barss, Riverside, Ill.

Application February 28, 1942, Serial No. 432,848
5 Claims. (Cl. 70—232)

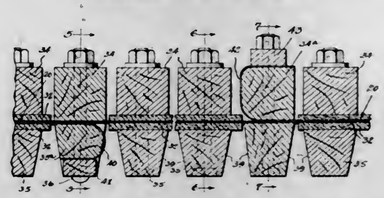


2. A locking device for uses such as described comprising a cup adapted for insertion of a threaded stem through its base and within which a fastening nut can be applied to and screwed on said stem, a closure therefor having a tubular protrusion within the cup adapted to enclose said nut, and combination-controlled locking means carried by said protrusion and cooperable with the cup to lock said closure thereto, said locking means in the locked condition of the device being around said nut between it and the surrounding body of the cup, the closure when locked being rotatable, and said locking means being operable to effect unlocking of the closure by a predetermined combination of rotative movements thereof.

2,343,367
POWER BELT CONSTRUCTION

Conrad M. Conradson, Detroit, Mich.; Frederick R. Walter, administrator of said Conrad M. Conradson, deceased, assignor, by mesne assignments, to Oscar Christianson, Madison, Wis., as trustee

Application March 1, 1939, Serial No. 259,117
7 Claims. (Cl. 74—237)

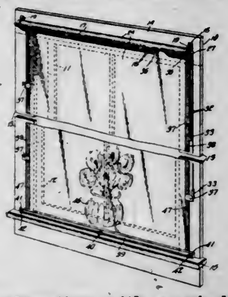


2. A belt for the transmission of rotary power comprising a thin metal strip wound upon itself to form a laminated band, and means applied to said band to form contacting surfaces therefor when the band is used as a belt and serving also to hold the ends of said strip close to the band.

2,343,368
GASKET MATERIAL
Le Grand Daly, Port Clinton, Ohio
No Drawing. Application July 10, 1940, Serial No. 344,733
9 Claims. (Cl. 288—33)

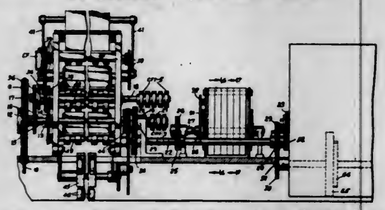
9. As an article of manufacture a gasket made from a synthetic compound containing lignin and rubber-like polymerized chloroprene and filler material, the amount of lignin being in excess of the amount of chloroprene, and the total amount of lignin and chloroprene being in excess of the amount of filler material, said gasket being characterized by improved resistance to oil impregnation, weathering, and permanent set.

2,343,369
WINDOW BLACK-OUT SHIELD
Harry Derman, Laurelton, N. Y.
Application January 1, 1942, Serial No. 425,265
5 Claims. (Cl. 160—268)



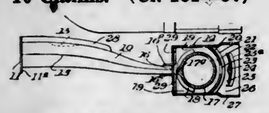
4. The combination with a window shade of means at side edge portions thereof to which adhesive tapes may be removably attached, and adhesive tapes having one edge secured to said means, and the other edge secured to a support to provide secure mounting of side edges of the shade to said support throughout the full length of the shade.

2,343,370
ACCOUNTING MACHINE
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 9, 1939, Serial No. 308,325
10 Claims. (Cl. 235—61.6)



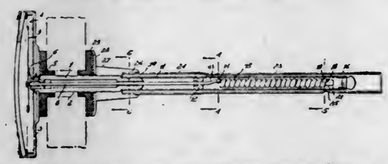
1. In a machine of the class described, the combination of an accumulator positionable to represent an amount, entering means for said accumulator comprising actuating means for each order, means comprising a set of digit impulse transmitting circuits for each denominational order of the accumulator, a source means for transmitting digit representing electrical impulses to said circuits to cause in each order through an impulse transmitting circuit the operation of the corresponding actuating means, amount representing means settable to an amount to which said accumulator is to be repositioned and means controlled jointly by said settable amount representing means and said accumulator for selecting, for each order of the accumulator and in accordance with the digital representation of the settable means and the related order of the accumulator, digit impulse transmitting circuits from the sets of circuits to cause the actuating means to set up in the accumulator the amount represented by said settable means under control of said selected circuits.

2,343,371
SUCTION MUFFLER FOR AIRPLANES, AUTOMOBILES, AND THE LIKE
John A. Fisher, Steinhatchee, Fla.
Application September 9, 1941, Serial No. 410,138
10 Claims. (Cl. 181—57)



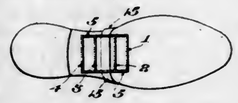
1. An improved baffle structure for the exhaust gases of internal combustion engines, comprising walls defining a compartment having a long slotted opening in its front wall for the admission of the gases in the form of a wide shallow stream, baffle means within the compartment to divide such stream into two diverging shallow sub-divisions flowing rearwardly, a second baffle means in the rear of the first baffle means to direct said sub-divisions toward each other, and an outlet for the escape of gases from the second baffle means.

2,343,372
BIMETALLIC THERMOMETER
George E. Ford and Warren W. Hastings, Brighton, N. Y., assignors to Rochester Manufacturing Co., Inc., Rochester, N. Y., a corporation of New York
Application May 17, 1943, Serial No. 487,204
15 Claims. (Cl. 73—367)



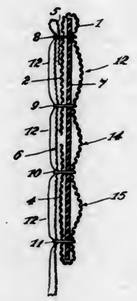
13. A bimetallic thermometer including a hollow support having an exteriorly threaded body portion and an outer end of reduced diameter, a tubular stem surrounding and attached to said outer end of the support, a plug secured in the opposite end of the tubular stem, an indicator shaft extending through said support and into said tubular stem, the outer end of the indicator shaft being offset radially from the axis of the shaft, a bearing for the indicator shaft located near its outer end and secured within said tubular stem, a bearing for the inner end of the indicator shaft located adjacent to the inner end of the support, a bimetallic helical coil located within said tubular stem and having its ends welded to the plug and to the outer end of the indicator shaft respectively at points along the inner periphery of the coil, a fastening nut threaded on said body portion of the support, said nut having an outer end portion with a cylindrical inner surface of greater diameter than the threaded portion of the support, and a sunshield surrounding said tubular stem and secured to said cylindrical inner surface of the nut, the interior diameter of the sunshield being greater than the diameter of said threaded portion on the support.

2,343,373
DETACHABLE ANTISLIPPING DEVICE FOR USE ON EITHER SHOES OR OVERSHOES
Michael L. Georgopoulos, Washington, D. C.
Application March 31, 1943, Serial No. 481,994
5 Claims. (Cl. 36—62)



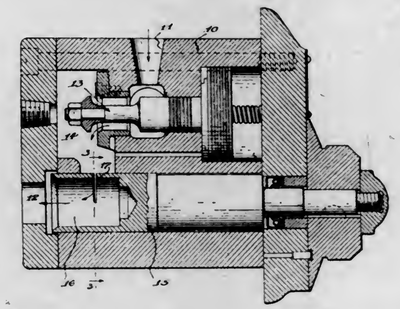
1. The combination in a detachable antislipping device, of a plurality of spaced transverse toothed bars, a pair of spaced longitudinal toothed bars affixed to the transverse bars to form a unit, a strap and buckle attached to said bars, the aforesaid bars being of suitable size to seat under the shank of a shoe or overshoe.

2,343,374
GARMENT SUPPORTING BAND
John F. Hargreaves, Baltimore, Md., assignor to The Faultless Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application June 12, 1940, Serial No. 340,032
1 Claim. (Cl. 2—237)



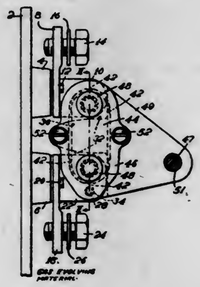
A garment band comprising a flat strip of sheet rubber, a sheath for said flat strip of sheet rubber, said sheath being formed of a strip of stretchable textile fabric having edge portions folded around said flat strip of sheet rubber to substantially enclose said strip of rubber and to form hems adjacent each edge thereof and with the edges of the hems approaching each other without overlapping, a garment formed of textile material to which said band is permanently attached by stitching, the upper edge of the garment material having a hem folded inwardly adjacent the upper hem on said stretchable textile fabric and being in contact with the said hem of the sheath, a plurality of rows of stitches extending longitudinally of said sheath and passing through said flat strip of rubber and said sheath and forming longitudinally extending cushions in the stretchable textile fabric on the inner side of said sheath and between the rows of stitches while said strip of rubber remains substantially flat; said strip of rubber, said garment material and each hem on said sheath being sewn through by a plurality of said rows of stitches whereby each of said rows of stitches passes through four layers of material, and one row of stitches also passing through the hem on the garment material.

2,343,375
VISCOSITY FLOW CONTROL
Kenneth R. Herman, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application November 21, 1938, Serial No. 241,565
7 Claims. (Cl. 137—152.5)



1. A flow control device for controlling the flow of a pressure liquid independent of changes in the viscosity of said liquid which comprises a housing having a restricted opening therein characterized by a relatively small length, compared to its cross section, and a regulator for maintaining a substantially constant pressure drop across the opening.

2,343,376
CIRCUIT INTERRUPTER
Julius Horst, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 9, 1941, Serial No. 422,199
In Germany November 25, 1939
11 Claims. (Cl. 200—162)



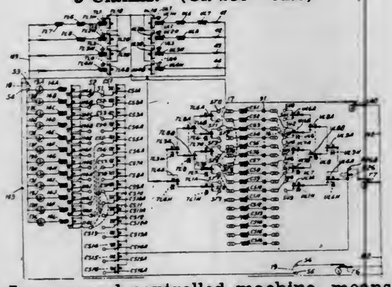
1. In a switch, movably mounted blade supporting means of insulating material, an elongated blade member supported on said means, said blade member extending in the plane of movement of said means and supported on said means for limited movement in a direction at an angle to the path of movement of said means, contact means positioned to engage one side of said blade member in the closed position of the switch, said blade member comprising a plurality of separate longitudinally extending conducting members positioned at one side of said contact means, and resilient means independently biasing said conducting members toward said contact means.

2,343,377

INDICATING DEVICE

Harold Hall Keen, Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 2, 1939, Serial No. 277,037
In Great Britain June 17, 1938
5 Claims. (Cl. 235—61.6)



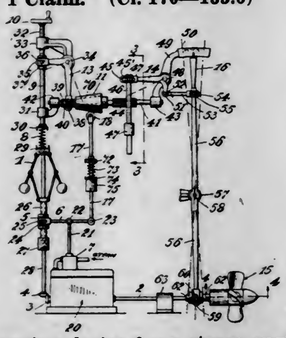
1. In a record controlled machine, means for sensing designations on the records, a plurality of primary control devices, means under control of said sensing means for operating a different combination of said primary control devices for each of the various designations sensed, a series of secondary control devices, means under control of said primary devices for making the secondary control devices selectively effective, and responsive to a plurality of different combinations of said primary devices, a plurality of indicators, means for selectively connecting each indicator to certain of the secondary devices for selectively operating an indicator representative of a plurality of sensed designations, whereby a single indicator is selectively responsive to secondary devices operated by a plurality of combinations of primary devices and thereby selectively responsive to a predetermined plurality of sensed designations.

2,343,378

GOVERNING DEVICE FOR ENGINES, ESPECIALLY FOR THE DRIVE OF SHIP SCREWS WITH VARIABLE PITCH

Hugo Kieser, Heidenheim, Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y.

Application December 6, 1940, Serial No. 368,892
In Germany October 9, 1939
1 Claim. (Cl. 170—135.6)



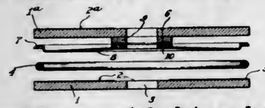
In a governing device for a steam engine having an engine shaft, a steam control valve for varying the steam supply to the steam engine, a speed responsive governor, a speed setting means for said governor, including an axially movable spindle, means actuated by the governor for actuating the steam control valve, and a screw blade propeller driven by said engine shaft and having blades of variable pitch and having means for changing the pitch of said blades, the combination of a cam drum having a protracted surface shape radially conforming to the necessary adjustment for the stroke of the steam control valve at different blade pitches and axially conforming to the necessary adjustment for the stroke of the steam control valve at different speed settings of the governor, means connecting said cam drum and spindle for axially moving said cam drum by the movement of the spindle, means connecting the drum and pitch changing means for rotating the drum upon the change in the pitch of the blades, a member in contact with and movable by the protracted surface of the cam drum, and a lever connecting said member with the governor and with the steam control valve, whereby the amount of steam supply to the steam control valve is controlled by the speed of the engine shaft and by the pitch of the blades.

2,343,379

WATERPROOF RECTIFIER

Chester A. Kotterman, Livingston, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application April 3, 1942, Serial No. 437,517
6 Claims. (Cl. 175—366)



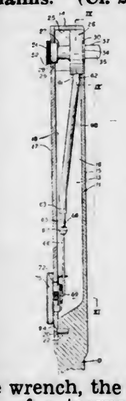
1. In a rectifier, a metal plate, a layer of selenium on said plate, a counter-electrode on the surface of the selenium, a ridge of insulating material enclosing an area of the counter-electrode covered selenium, and a contacting member of resilient material seated on and making a tight fit with said ridge normally out of contact with the surface of the enclosed area but movable into contact therewith substantially throughout its surface.

2,343,380

TORQUE RATCHET WRENCH

Kenneth R. Larson, Des Plaines, Ill., and George M. Walraven, Kenosha, Wis., assignors to Snap-On Tools Corporation, Kenosha, Wis.

Application October 30, 1941, Serial No. 417,126
6 Claims. (Cl. 265—1)



1. In a torque wrench, the combination with a handle member, of a torque resisting work engaging head member comprising complemental elements, one of said elements comprising a shank anchored to said handle member, the other of said members having work engaging means axially aligned with said anchored shank for rotation relative thereto, ratchet means interposed between said complemental elements, an elongated rod anchored at one extremity to one of said complemental elements of said head member, said rod extending along said handle member, and calibrated indicating means operatively connected to the other extremity of said elongated rod to measure the twist of said head member responsive to displacing said handle member with a turning force applied to the load.

2,343,381

HIGH TENSION APPARATUS

Raymond R. Machlett, New Canaan, Conn., assignor to Machlett Laboratories Incorporated, New Canaan, Conn., a corporation of Connecticut

Application October 16, 1942, Serial No. 462,268
8 Claims. (Cl. 250—104)



1. In X-ray apparatus, the combination of a tube including an envelope having a re-entrant portion at one end, an anode within the tube at the other end having a portion extending through the envelope wall, a cathode within the envelope, a terminal within the re-entrant end portion, a conductor sealed through the envelope wall and connected to said terminal and to the cathode filament, a housing enclosing the tube, a cable extending into the housing and having its end within the re-entrant end portion of the envelope, the cable containing at least one conductor, a terminal at the end of the cable connected to the conductor and in engagement with the first terminal, cooperating means on the insulator and envelope at the inner end of the re-entrant portion of the envelope for shutting off the engaged terminals from the atmosphere, a grounded flare encircling and connected to the cable outside the re-entrant end portion of the envelope, and means mounted on the housing and engaging the envelope, and a member mounted on the housing and clamping the flare to the housing to hold the end portion of the cable in the re-entrant end portion of the envelope with the terminals in engagement.

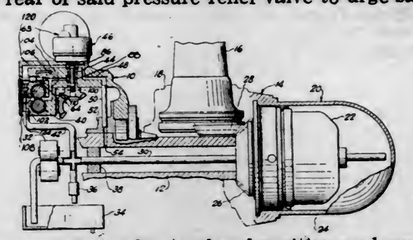
2,343,382

PROPELLER GOVERNOR

Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application August 2, 1939, Serial No. 287,874
6 Claims. (Cl. 170—163)

1. In a control for a hydro-controllable propeller, a pitch changing motor operated by hydraulic fluid under pressure, a speed responsive governor, a pump for creating said pressure, a pilot valve operated by said governor and connecting one side of said pitch changing motor with the outlet of said pump or with a drain vent, a pressure relief valve permanently connected to said pump outlet and urged to open position by the pump created fluid pressure for limiting the pressure which may be developed by said pump, and a channel, controlled by said pilot valve, and connected with the outlet of said pump when said pilot valve is in position to apply pressure fluid to said motor, for conducting pressure fluid to the rear of said pressure relief valve to urge said



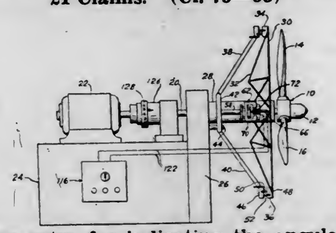
pressure relief valve to closed position and vented to drain when said pilot valve is in position to vent said one side of said motor, to relieve the pressure urging the valve to closed position.

2,343,383

MEANS AND METHOD OF BALANCING PROPELLERS

Erle Martin, West Hartford, and Murray C. Beebe, Jr., Glastonbury, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application April 11, 1941, Serial No. 388,104
21 Claims. (Cl. 73—53)



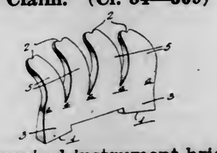
1. Apparatus for indicating the angular position with respect to the blades of a multi-blade aerodynamic propeller at which a vibration producing aerodynamic effect is produced when the propeller is rotated at operating speed comprising, means for supporting and rotating the propeller, a diaphragm pivotally supported immediately to the rear of the propeller position, a motion responsive device, including means for producing impulses upon movement of said diaphragm, operatively connected to said diaphragm, and means for correlating the impulses of said motion responsive device with the angular position of the propeller at the time the motion of the diaphragm occurs.

2,343,384

MULTISTRINGED MUSICAL INSTRUMENT

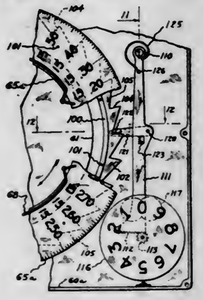
John Isaac McDonald, Pajaro, Calif.

Application February 25, 1943, Serial No. 477,046
1 Claim. (Cl. 84—309)



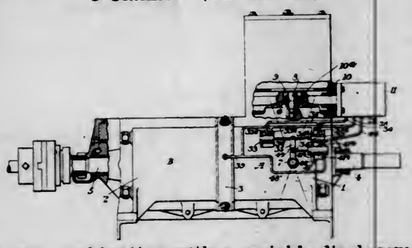
A stringed musical instrument bridge comprising a base having upwardly extending notched columns, said columns having a straight thickness taper outwardly from the base and also a decreasing width taper, the base side of each column being concave and the treble side thereof being convex.

2,343,385
CALCULATING MEANS
Walter E. Milestone, Lakewood, and Brenaan B. West, Cleveland, Ohio; said West assignor to said Milestone
Application October 15, 1941, Serial No. 415,054
6 Claims. (Cl. 235—134)



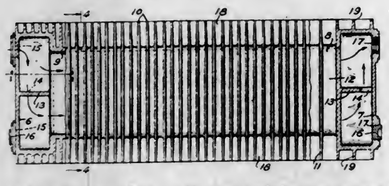
1. In a price indicator, an indicating element bearing a series of dimes graduations, index means providing a reading place with respect to which said element is movable, mechanism for creating relative movement between the element and said index means in a price indicating operation, a second indicating element bearing pennies graduations, a second index means providing a reading place with respect to which the second indicating element is movable, a member movable with the first indicating element and having cam parts each corresponding in length to a given number of tenths of the dimes graduations of said first indicating element, and means operated by said cam parts for effecting relative movement between the second indicating element and the second index means in the ratio of ten penny graduations of the second indicating element to one dimes graduation of the first indicating element.

2,343,386
TRANSMISSION SYSTEM
Edward J. Poitras, Jackson Heights, and James D. Tear, Great Neck, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application November 14, 1935, Serial No. 49,694
3 Claims. (Cl. 103—38)



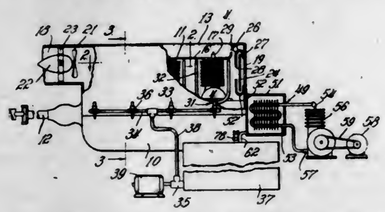
1. In combination with a variable displacement pump having means for varying the displacement of the pump, means for actuating the displacement varying means and control means therefor including means normally operative for controlling the operation of said actuating means, and additional control means for said actuating means operative to reduce the displacement of the pump including means operative in accordance with the displacement of the pump and the pressure of the hydraulic medium delivered by the pump and means operative by movement of the displacement varying means for selectively determining the direction of movement of said actuating means upon operation of said displacement and pressure operative means, and means for rendering said normally operative control means ineffective and said additional control means effective upon operation of said pressure and displacement operative means.

2,343,387
HEAT TRANSFER UNIT
John W. Sargent and Carl E. Staky, Wausau, Wis., assignors to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin
Application June 29, 1942, Serial No. 448,904
4 Claims. (Cl. 257—150)



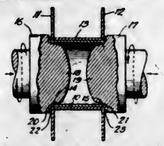
1. A heat transfer unit comprising, a one-piece cast-metal body having laterally spaced parallel elongated chambers communicating at their corresponding opposite ends with end chambers each of which spans the adjacent end of the space between said elongated chambers and is divided into two parts by a transverse partition extending longitudinally of the unit, each of said end chamber parts having an opening communicating with the extreme outer end thereof, parallel outer fins projecting outwardly away from the outer surfaces of said chambers, parallel inner fins extending away from said elongated chambers and into the space therebetween, and other inner fins spanning said space and rigidly uniting said elongated chambers at local places.

2,343,388
VAPOR COOLING FOR MOTORS
Joseph Sebo, Pekin, Ill., assignor of one-fourth to Charles K. Woodin, Chicago, and one-fourth to Edwin V. Champion and Fredric J. Lee, Peoria, Ill.
Application May 10, 1943, Serial No. 486,277
5 Claims. (Cl. 123—170)



1. A cooling system for an internal combustion engine having a plurality of cylinders to be cooled, passage means for carrying air about said cylinders, means for moving air through said passage means, a plurality of fluid spray means corresponding to said cylinders adapted to spray a cooling fluid on an associated cylinder and within said passage means, with said fluid being vaporized by the heat from said cylinders and mixed with said air, means for selectively controlling the operation of said spray means, and means for collecting free particles of said fluid for recirculating through said spray means.

2,343,389
METHOD OF MAKING FORMS FOR WINDINGS AND THE LIKE
William F. Stahl, Evanston, Ill.
Application November 27, 1941, Serial No. 420,667
1 Claim. (Cl. 93—1)



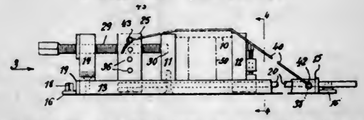
A method of making forms for windings and the like comprising providing a tubular core, placing a tubular spacing member about the core and in longitudinal slidable relation therewith, the ends of said member being spaced slightly from the ends of the core, placing flanges on the ends of the core in engagement with the ends of the spacing member, applying swaging means to both ends of the core, and simultaneously urging said swaging means toward each other to outwardly swage the ends of the core and to lock the flanges in position the spacing member being slidable on the core during the swaging operation to permit centering of the spacing member on the core.

2,343,390
METHOD OF STIFFENING SHOES
Alexis E. Ushakoff, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 26, 1941, Serial No. 420,557
6 Claims. (Cl. 12—142)



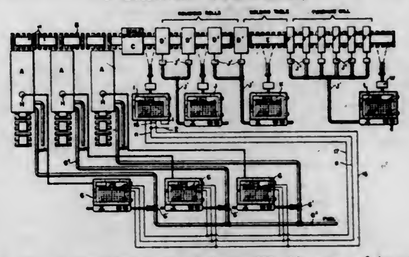
1. The method of shoemaking which includes providing a lining member containing throughout its whole extent flexible threads which may be caused to coalesce and become cementitious, incorporating said lining member in the assembled upper of a shoe, lasting the shoe, and thereafter causing the threads in selected localities of said lining member first to coalesce and then to harden and thus stiffen said localities.

2,343,391
VISE
David Wachsman, Brooklyn, N. Y.
Application October 31, 1942, Serial No. 464,035
2 Claims. (Cl. 90—60)



1. In a vise, a fixed jaw, a movable jaw, means for moving the latter towards the fixed jaw to grip work between the jaws and a chain having one end secured to said vise and the other end ajustably secured to the said moving means and operated by the latter into clamping engagement with the work to prevent upwards vertical displacement of the work between the jaws.

2,343,392
STRIP MILL CONTROL
James L. Whitten, Rocky River, Ohio, assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 18, 1939, Serial No. 251,557
9 Claims. (Cl. 80—2)

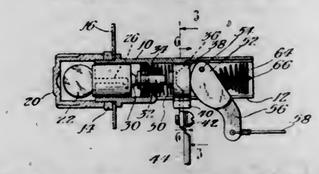


1. In a continuous strip mill, the combination of a plurality of heating furnaces, a plurality of stands of rolls distributed along path of travel of heated work pieces passing into said path from the different furnaces, and means for supplying heat to each of said furnaces at a rate jointly dependent on a temperature condition in that furnace and on the temperature of the work pieces passing through an intermediate portion of said pathway.

2,343,393
LUBRICANT
Daniel E. Bergen, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 19, 1940, Serial No. 370,903
3 Claims. (Cl. 252—47)

1. An improved lubricating oil composition comprising a mineral lubricating oil having incorporated therein a small quantity of piperazine dithiocarbamate sufficient to increase the stability of the so treated lubricating oil against oxidation and sludge formation at crank case temperatures.

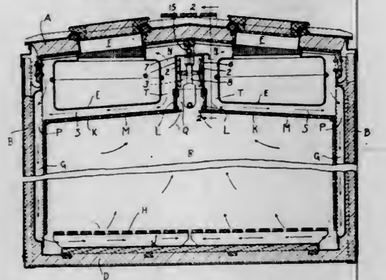
2,343,394
BRAKE SIGNAL
Otto J. Blomberg and Henning A. Eklind, Chicago, Ill.
Application March 8, 1941, Serial No. 382,404
4 Claims. (Cl. 177—311)



1. A brake signal for automobiles comprising a casing, means for mounting the casing on the instrument panel of the vehicle, a signal means in the casing, means for electrically operating the signal, and means connected to the hand brake of the automobile for completing the electrical circuit when the brake is in "on" position, said means comprising an insulating block fixed in the casing, a current-carrying pin in the block, another insulating block movably mounted in the casing, and a current-carrying element in said block, means for attaching a current-carrying wire to the movable block, and means for shifting the position of the movable block upon appli-

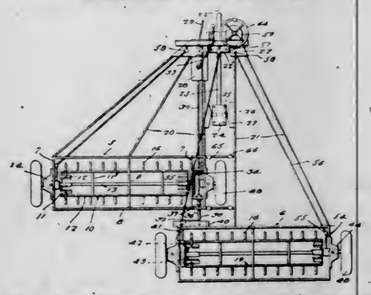
cation and release of the automobile brake, and an electrical connection between the signal means and the switch of the ignition system of the automobile whereby the signaling device will operate only when the switch is in "on" position.

2,343,395
AIR CIRCULATING MEANS FOR REFRIGERATOR CARS
Charles D. Bonsall, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application August 3, 1942, Serial No. 453,452
5 Claims. (Cl. 62—24)



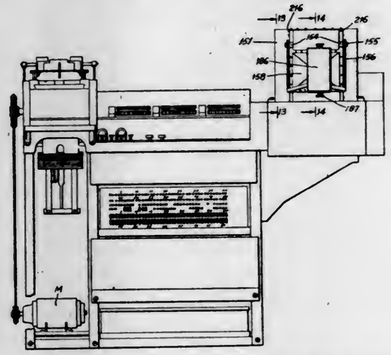
1. In combination with the roof and spaced apart walls of a refrigerator car, a pair of spaced apart refrigerant containers below said roof, means cooperating with each of said containers to form an air cooling passage adjacent the container, means to form a duct between said containers and air circulating means comprising a pair of fans revolubly mounted upon a horizontal axis within said duct externally of said passages, and arranged to induce a flow of air from said duct through both of said passages, means disposed between said fans for driving both of the fans, a shroud covering said fans, and openings through opposite sides of said shroud in alignment with said fans.

2,343,396
COMBINED GROUND WORKING AND SOIL PULVERIZING MACHINE
James Russell Bryant, Oshawa, Ontario, Canada
Application July 4, 1942, Serial No. 449,793
2 Claims. (Cl. 97—40)



1. A ground pulverizer comprising a pair of wheel supported frames, said frames extending transversely of the machine, and arranged in overlapping endwise relation with one frame forwardly of the other frame, a toothed pulverizing drum rotatably mounted on each frame, a forwardly extending towing frame connected to each of said first-named frames, said second frames being hingedly connected to each other along a longitudinal center line, spaced parallel transversely extending frame members swivelly connecting the overlapping end of the front frame member to the towing frame of the rear frame member drive means for the drums including a forwardly extending driven shaft, and means for vertically adjusting the frames on the wheels.

2,343,397
PHOTOGRAPHIC RECORDER FOR ACCOUNTING MACHINES
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 29, 1940, Serial No. 321,391
13 Claims. (Cl. 95—4.5)

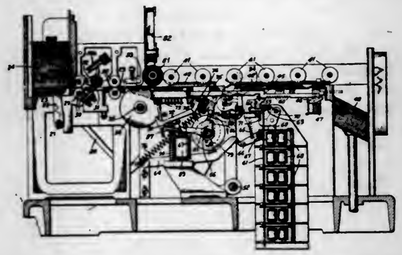


1. A recording device for a cyclically operable accounting machine, said machine including differentially operable plural designation control devices, said recording device comprising an illuminated character bearing element, automatic drive devices for moving said element continuously and synchronously in time with the accounting machine, said character bearing element having sets of different characters differentially disposed upon the element in the direction of movement thereof for exposure at differential times, a camera provided with a lens and carrying a film to be exposed to selected characters upon said element, shutter means individual to said sets and operable at differential or concurrent times for selecting which characters from a plurality of said character sets are to be exposed in a common row upon the film, and means for selectively and individually controlling said shutter means from the differentially operable plural designation control means of the accounting machine whereby a plurality of selected characters are exposed upon the film in a common row.

2,343,398
RECORD CONTROLLED INTERPRETING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 7, 1941, Serial No. 397,003
6 Claims. (Cl. 101—93)

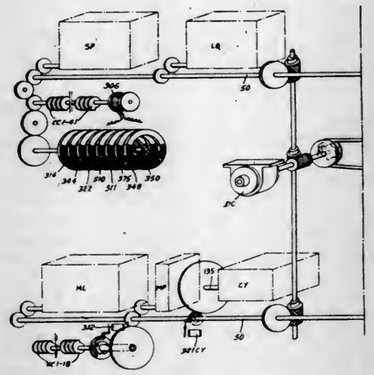
1. An interpreting machine controlled by records bearing data designations having means for recording the interpreting data on the related records, means for sensing the data designations on the records, means for feeding the records, one at a time, and transporting them first to the sensing means and then to the recording means,

said recording means including settable elements and means controlled by the sensing means for differentially positioning the said elements in accordance with the sensed designations, settable circuit closing means positioned by the differentially positioned elements, additional settable circuit closing means having means controlled by the sensing means for controlling the positioning



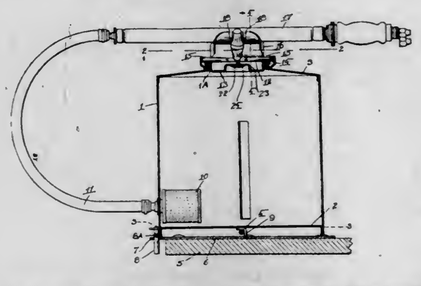
of the latter in accordance with the sensed designations, a control circuit including both the said circuit closing means and a control device, means operated in timed relationship with the feeding means for effecting energization of the said control circuit whenever both of the said positioned circuit closing means represent the same data, and error manifesting means controlled by said control device.

2,343,399
MULTIPLYING MECHANISM FOR CHECKING DIVIDING COMPUTATIONS
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application March 19, 1941, Serial No. 384,157, now Patent No. 2,315,686, dated April 6, 1943. Divided and this application September 14, 1942, Serial No. 458,206
2 Claims. (Cl. 235—61.8)



1. In a checking machine for checking the mathematical relationship expressed by designations on records, each record representing a dividend and a divisor amount and related quotient and remainder amounts derived by previous dividing operations, the combination of a quotient receiving means, a remainder receiving means, a divisor receiving means, a dividend receiving means, separate means to concurrently analyze the designations representing all of said amounts in one analyzing cycle and respective separate means to enter in the same cycle said quotient in said quotient receiving means, said remainder amount in said remainder receiving means, said dividend in said dividend receiving means and said divisor in said divisor receiving means, a product receiving means, multiplying means under control of said quotient receiving means and said divisor receiving means for effecting the multiplication of the amounts represented thereby in one or more multiplying cycles and for entering the computed product in said product receiving means, means for transferring the amount in said remainder receiving means into said product receiving means in a cycle subsequent to multiplying cycles of operation, means to thereafter transfer the complement of the amount in said dividend receiving means into said product receiving means in a cycle of operation subsequent to the completion of the first transfer cycle, the result of both of said transferring operations diminishing the product previously entered to zero, means cooperatively related to said product receiving means to test the zero condition thereof, and means to effect the operation of said testing means in the same cycle of operation the complement of the dividend amount is transferred.

2,343,400
KNAPSACK FIRE EXTINGUISHER AND SPRAYER
Giles E. Bullock, Rochester, N. Y.
Application February 13, 1941, Serial No. 378,765
1 Claim. (Cl. 299—97)

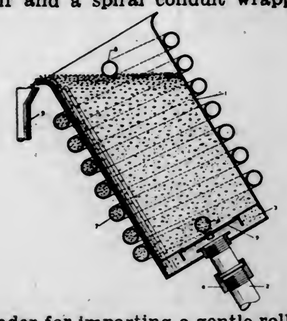


In a fire extinguisher and sprayer the combination of a tank having a filler opening in the top thereof, a rotating cover for opening and closing said filler opening, a handle carried by said cover, a channel provided on top of said handle, a pump adapted to be yieldingly held in place in said handle, and stop means for limiting the rotative movement of said cover and provide for the alignment of said handle with the pump supported thereon relative to said tank.

2,343,401
SEPARATION APPARATUS
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application June 26, 1939, Serial No. 281,294. Divided and this application May 28, 1942, Serial No. 444,897
4 Claims. (Cl. 259—3)

1. Apparatus for separating from a stream of air or gas, carbon black entrained therein as dust and at the same time agglomerating said removed carbon black to granules of carbon black comprising a rotating chamber filled with granules of carbon black, an entrance into the chamber for the stream of air or gas containing the carbon

black dust, an exit from the chamber for the clean air and a spiral conduit wrapped around



the cylinder for imparting a gentle rolling motion to the carbon black granules to agglomerate the carbon black dust to the granules.

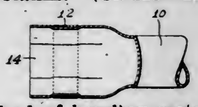
2,343,402

PROCESS FOR JOINING RADIATOR TUBES AND PRODUCT THEREOF

Walter B. Clifford, Boston, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware

Application April 11, 1941, Serial No. 388,087

4 Claims. (Cl. 113—118)



3. The method of bonding metallic tubes and the like, which consists in the formation of a tube of aluminum alloy, the formation of a ring of aluminum soldering material with enlarging flutes, assembling the ring with the tube end, deforming and expanding the tube end with the surrounding ring, assembling a bundle of tubes with expanded ends abutting, and raising the tube ends to the melting point of the soldering material to cause the material to spread along the abutting faces of the tube ends.

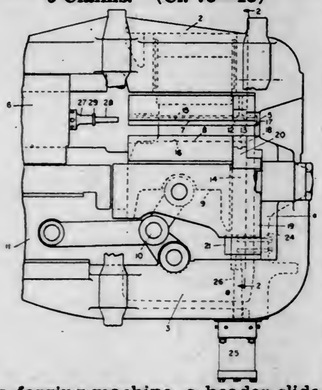
2,343,403

FORGING MACHINE

William W. Criley, Shaker Heights, Ohio, assignor to The Ajax Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application June 16, 1941, Serial No. 398,207

6 Claims. (Cl. 78—13)



1. In a forging machine, a header slide, a pair of main gripping dies, located adjacent the end of said header slide, a pair of auxiliary gripping dies located immediately adjacent said main gripping dies and on the side thereof opposite to that of said header slide, a common channel supporting said main and auxiliary dies for opening and closing movement alongside each other, and power means for opening and closing said auxiliary gripping dies independently of said main gripping dies.

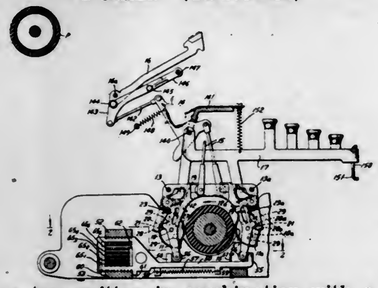
2,343,404

TRANSLATING DEVICE

Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 31, 1943, Serial No. 481,259

1 Claim. (Cl. 178—81)



In a transmitter, in combination with a keyboard mechanism, a driving mechanism comprising a power driven roller, cam levers having individual rotary cams to rock the respective levers by rotating against said roller, the levers being arranged alternately on opposite sides of the axis of the roller and those on one side of the roller being rocked oppositely to those on the other side, and key operated means for selectively releasing the cams for engagement with the roller; a set of code elements, a set of code element operating slides, one for each code element, said slides being mounted in a single group for individual longitudinal movement parallel to the axis of said power driven roller, to operate their respective code elements; a set of actuators, one for each of said cam levers, means to guide said actuators for reciprocating movement normal to the axis of said roller, said cam levers having means coacting with their respective actuators to cause the latter to execute operative movements guided by said guide means, the operative movements of the actuators operated by the cam levers on one side of the roller being opposite to that of the actuators operated by the cam levers on the other side of the roller; said slides having inclined cam edges thereon for coaction with said actuators to impart said longitudinal movements to said slides; there being a cam edge or group of cam edges for each actuator, arranged on the slides in accordance with a combinational code, the cam edges coacting with actuators which execute an operative movement in one direction being on the opposite side of the slides from the cam edges coacting with actuators which execute an operative movement in the opposite direction.

2,343,405

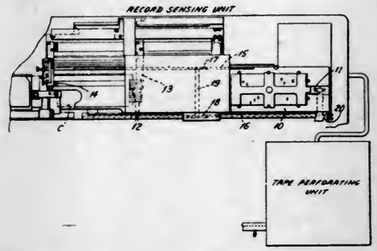
COMMUNICATION APPARATUS

Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 17, 1943, Serial No. 491,102

1 Claim. (Cl. 178—17)

In an apparatus controlled by records having two different types of characters, such as numerical and alphabetical, represented thereon by positioned code points which are distinctively positioned for each character; record reading means including means to sense the code representations of the characters successively; means including a group of code elements operable singly and in various combinations to manifest code signals; translating means controlled by said reading means selectively to operate said code elements, to manifest code signals of a second code in which each of certain signals representing different characters of one of said types also represents a single character of the other type; supervisory means controlled by said sensing



means and differently responsive to the record code representations of the two different types of characters; designating means controlled by said supervisory means to operate said code elements to manifest either of two different key signals designating, respectively, the two different types of characters; normally inoperative disabling means conditioned by said designating means to prevent a second operation of the latter to operate said code elements to manifest the same key signal twice in succession; means responsive to the sensing of a blank on the record to operate said code elements to manifest a particular signal; and means operated in conjunction with said last mentioned means to restore said disabling means to its normal inoperative condition.

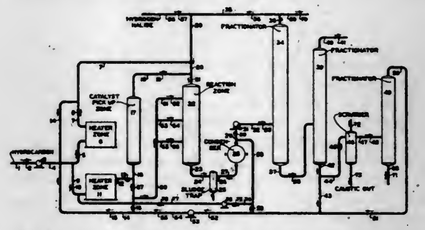
2,343,406

ISOMERIZATION OF PARAFFINS

Charles G. Dryer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application March 5, 1942, Serial No. 433,433

14 Claims. (Cl. 260—683.5)



1. A process for the isomerization of saturated hydrocarbons which comprises passing at least a portion of the saturated hydrocarbon in contact with a body of metal halide catalyst under conditions of temperature and pressure such that the hydrocarbon is maintained in substantially liquid phase and dissolves a regulated quantity of the metal halide catalyst, introducing the resultant solution and the remainder of said saturated hydrocarbon into a reaction zone maintained under conditions of temperature and pressure such that the hydrocarbon substantially completely vaporizes and isomerization of the hydrocarbon vapors is effected in the presence of the metal halide catalyst introduced to the reaction zone in said solution.

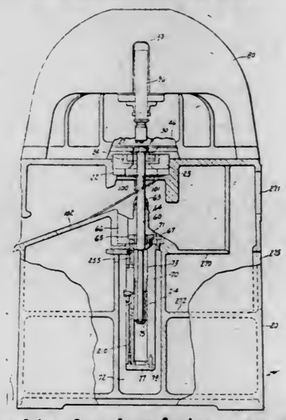
2,343,407

MACHINE FOR CHAMFERING GEARS

Clarence T. Galloway, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application March 16, 1940, Serial No. 324,347

17 Claims. (Cl. 90—1.4)



1. A machine for chamfering gears comprising a tool having a plurality of cutting blades equal in number to the tooth spaces of the gear to be chamfered and arranged radially of a common axis, a work support adapted to hold the gear so that its axis is in alignment with the axis of the tool, means for reciprocating the work support to pass the teeth of the gear through the cutting blades of the tool, and relatively fixed means arranged beyond the tool and operable on the cutting stroke of the work support to strip the gear from the work support after it has been chamfered.

2,343,408

LAMINATED FABRIC

Louis Glass, Kew Gardens, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 25, 1942, Serial No. 432,257

2 Claims. (Cl. 154—46)

1. A sweat-band for a hat comprising an inner layer of fabric coated on one side only with cellulose acetate joined to an outer envelope of fabric having a coating thereon comprising a water-repellent emulsion of an aluminum salt and wax, the coating of cellulose acetate on said inner layer of fabric being on the side away from the head side of the sweat-band.

2,343,409

CONTAINER AND SUPPORT THEREFOR

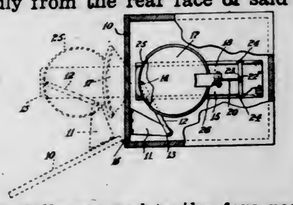
Benjamin D. Goldberg, Brooklyn, N. Y.

Application May 23, 1942, Serial No. 444,249

8 Claims. (Cl. 312—150)

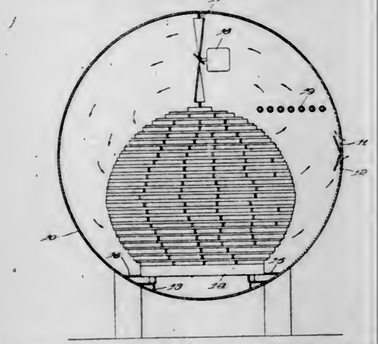
1. The combination with a compartment closed by a door, a body movable forward and backward therein, a guide along which said body

is movable, said door extending across a front portion of said body and pivoted substantially vertically for movement to enable said body to be moved forward and backward across the opening closed by said door, an extension projecting rearwardly from the rear face of said door and



a link pivotally secured to the fore part of said body forwardly of its pivotal connection with the extension of the door in closed position of said door whereby said link is adapted for pushing the body forward on opening the door and is adapted to pull the body inward on closing the door.

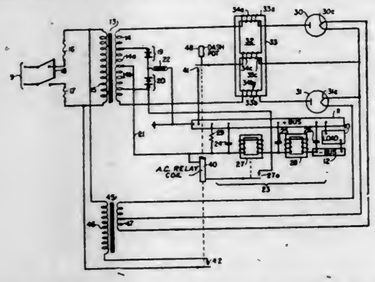
2,343,410
METHOD OF KILN DRYING LUMBER
Frederick W. Gottschalk and Herbert W. Angell, Chicago, Ill., assignors to American Lumber & Treating Co., a corporation of Delaware
Application April 17, 1942, Serial No. 439,362
4 Claims. (Cl. 34—38)



1. In the method of drying lumber in which a pile of lumber is placed within a drying chamber, the steps of forming the pile of lumber in horizontal layers by associating elongated individual pieces of wood with their long axes parallel, separating the progressive layers of lumber by transverse stickers, forming the layers of progressively varying widths to produce a generally circular cross-sectional pile and providing thin stickers between the layers where the layer width is small, and thick stickers where the layer width is great, and blowing heated air transversely of the pile between the layers, the variation in size of the stickers being such as to provide substantially uniform air resistance transversely of the pile.

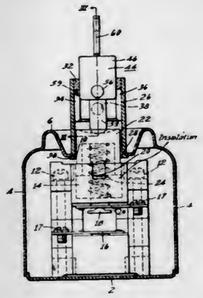
2,343,411
CURRENT SUPPLY SYSTEM
Otho D. Grandstaff, Turner W. Gilman, and Roswell H. Herrick, Oak Park, Ill., assignors to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application March 2, 1942, Serial No. 433,024
12 Claims. (Cl. 171—97)

12. In a current supply system which includes a load circuit, a normally incomplete large capacity rectifying circuit which, when completed, is operative to deliver current to said load circuit, said rectifying circuit including thermionic rectifying means having cathode heating means, means including a small capacity rectifying circuit for normally supplying current to said load circuit, a thermionic device including a cathode heater, load current responsive means for substantially simultaneously energizing said cathode



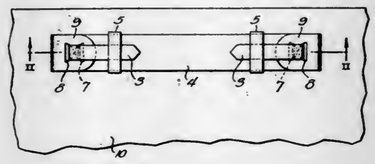
heater and said cathode heating means when the current supplied to said load circuit by said small capacity rectifying circuit exceeds a predetermined value, and means controlled by said thermionic device for completing said large capacity rectifying circuit a predetermined time interval after said cathode heating means is energized.

2,343,412
CIRCUIT INTERRUPTER
Ralph B. Immel, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 16, 1940, Serial No. 361,381
11 Claims. (Cl. 200—44)



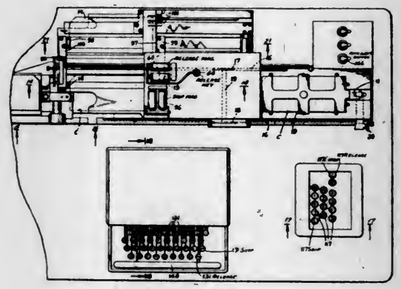
1. A switch including a substantially rectilinearly movable contact operating means, guide means therefor, said operating means including a lock barrel slidably mounted in said guide means and contacting an outwardly biased slidable contact member, cooperating keying means on said barrel and guide means for preventing rotation of said barrel in said guide means but permitting relative longitudinal sliding movement thereof, one of said keying means including angularly spaced means cooperable, respectively, with the other of said keying means in different angular positions thereof, said key guide means extending to the end of the member on which it is mounted to permit removal of said barrel from its guide means, said barrel including a laterally extending retractible lock plunger, and said guide including angularly spaced means for cooperating with said plunger in its different angular positions, respectively.

2,343,413
PAPER FASTENER
Rudolph Janovsky, Berwyn, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application November 13, 1942, Serial No. 465,417
7 Claims. (Cl. 24—153)



1. In a paper fastener, a compression plate having its ends bent inwardly along a transverse line to form doubled end portions, each of said doubled end portions being provided with a pair of relatively offset apertures.

2,343,414
PUNCHING MACHINE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 24, 1943, Serial No. 476,895
17 Claims. (Cl. 164—113)

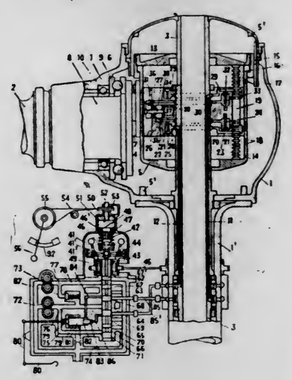


1. In a punching machine having a row of punches, escapement mechanism for advancing a card carriage past said row of punches, a pattern card having columns of perforations to be duplicated supported by said carriage, a row of sensing elements past which the pattern card moves as the carriage escapes, and operating means for said punches, in combination with a settable device having columns of settable elements corresponding to columns of a card to be punched, means for setting data in the successive columns of said settable elements, means for sensing the settable elements column by column, means controlled thereby and operative for each column of settable elements sensed for operating said punches and effecting a columnar escapement of the carriage, means controlled by the pattern card sensing elements when an escapement results in presentation of a perforation in the pattern card to said sensing elements for preventing control of the punches by the next column of settable elements, and further means controlled by the pattern card sensing elements for operating the punches according to the perforation sensed in the pattern card.

2,343,415
PEST CONTROL
Frank H. Kaufert, St. Paul, Minn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del, a corporation of Delaware
No Drawing. Application July 3, 1940, Serial No. 343,775
3 Claims. (Cl. 167—30)

1. A termite soil poisoning and disinfecting composition containing as an essential active ingredient 2-chloro-6-nitrotoluene and a carrier therefor.

2,343,416
VARIABLE-PITCH PROPELLER
Curt Keller, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland
Application May 10, 1940, Serial No. 334,443
In Switzerland June 22, 1939
10 Claims. (Cl. 170—163)



3. In a variable-pitch propeller in combination, a hub, a plurality of blades arranged on said hub for adjustment about their longitudinal axis, means displaceable by the action of a hydraulic pressure medium and operatively connected to said blades, an operation of said means effecting an adjustment of the blades and thus a variation of the propeller pitch, a source of hydraulic pressure supplying liquid under pressure to said blade-adjusting means, an additional source of hydraulic pressure also adapted to supply liquid under pressure to said blade-adjusting means, a member determining the magnitude of the hydraulic pressure acting upon the blade adjusting means, a governing member operated by the action of centrifugal forces and a change-over member, both these members controlling the distribution of the hydraulic pressure medium to said blade-adjusting means, a further member adapted to interrupt the supply of hydraulic pressure medium to said blade-adjusting means when a limit of a normal predetermined pitch range is reached, auxiliary valve means for the hydraulic pressure medium, which permit a further actuation of said blade-adjusting means for the purpose of moving the blades beyond that predetermined pitch range only after increased hydraulic adjusting pressure has been able to open said auxiliary valve means, and means connecting said governing member and said change-over member in such a way that they can be adjusted by a deliberate manual operation for the purpose of connecting said additional source of hydraulic pressure to said other source of hydraulic pres-

sure, said member determining the magnitude of the hydraulic pressure acting on the blade-adjusting means being thereby acted upon in such a way as to increase the hydraulic pressure, so that a greater quantity of pressure medium and an increased hydraulic pressure are available for adjusting the blades beyond the said normal predetermined pitch range.

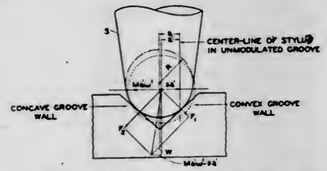
2,343,417

PHONOGRAPH PICKUP

Otto Kornei, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application November 16, 1942, Serial No. 465,733

4 Claims. (Cl. 274—1)



1. In a pickup for utilization in combination with a laterally modulated sound record of the constant groove-velocity type in which the side walls of the groove are straight and define substantially a 90 degree angle; a vibratory system including a stylus adapted to be moved by the modulated walls of the groove; the mass (M) of the stylus system effective at the center of the stylus tip, the radius of curvature of the said stylus tip (R), the steady vertical force (W) exerted on the record by the stylus, and the constant velocity (V) of the record groove being related substantially according to the formula:

$$M = \frac{RW}{4\sqrt{2}V^2}$$

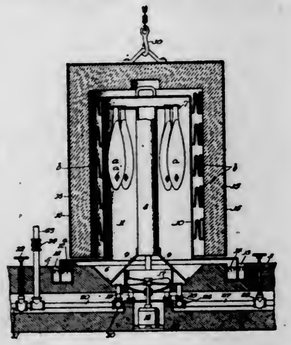
2,343,418

METHOD OF MAKING PROPELLER BLADES

Glen T. Lampton and Harris P. Moyer, Williamsport, Pa., assignors, by mesne assignments, to The Aviation Corporation, New York, N. Y., a corporation of Delaware

Application January 2, 1941, Serial No. 372,728

11 Claims. (Cl. 148—16)



1. That improvement in making steel propeller blades for aircraft, which comprises nitriding the outer surfaces of the blade by subjecting it to heat and a suitable gas, and treating the blade after the blade has been nitrided with gas and air at a suitable stabilized temperature and for a sufficient period to produce a substantially non-reflecting oxidized surface on the nitrided outside of the blade.

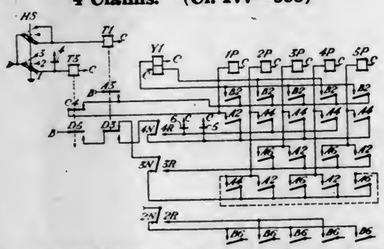
2,343,419

REMOTE CONTROL SYSTEM

Alfred B. Miller, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application July 22, 1941, Serial No. 403,494. Divided and this application April 6, 1943, Serial No. 481,990

4 Claims. (Cl. 177—353)



1. In combination with a control relay, impulsing means for operating said control relay repeatedly, a series of stepping relays adapted to be operated one at a time in order in response to repeated operations of said control relay, a cycle marking relay, an auxiliary relay of the stick polar type, a pick-up circuit for the first stepping relay of said series including a normal contact of said cycle marking relay and a reverse contact of said control relay, a stick circuit for said first stepping relay including its own front contact and a reverse contact of said cycle marking relay, a pick-up circuit for each stepping relay except the first including a normal contact of said control relay, a reverse contact of said cycle marking relay, and a normal or a reverse contact of said auxiliary relay, and a front contact of the next preceding stepping relay of the series, a first stick circuit for each stepping relay except the first which is the same as its pick-up circuit except that it includes its own front contact in place of the front contact of the next preceding stepping relay, a circuit prepared by each energized stepping relay and completed over reverse contacts of said control relay for operating said auxiliary relay to normal or reverse as required to prepare the pick-up circuit for the next stepping relay of the series, a second stick circuit for each stepping relay except the first including reverse contacts of said control relay and of said cycle marking relay and also including a normal or reverse contact of said auxiliary relay closed in response to the operation of that relay by such stepping relay, and means for operating said cycle marking relay to reverse when the first stepping relay of the series picks up and for maintaining it reversed until the last stepping relay of the series is picked up.

2,343,420

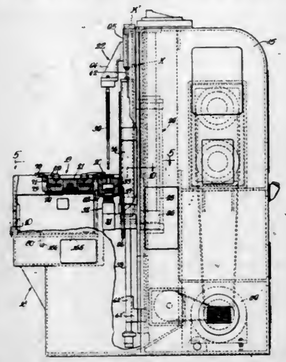
BROACHING MACHINE

John W. Podesta, Ann Arbor, Mich., assignor to American Broach & Machine Co., Ann Arbor, Mich., a corporation of Michigan

Application August 2, 1940, Serial No. 349,430

25 Claims. (Cl. 90—33)

1. An internal broaching machine comprising, in combination, broach actuating mechanism including a slide having a broaching tool holder at one end thereof for releasably holding a broaching tool and means for actuating the slide through a broaching stroke and a return stroke, a movably mounted device for handling the broaching tool by its trailing end when detached from the broach holder, means for actuating said device, an indexable work support, means actuating said support to transport a work piece from



a loading position to a broaching position and thereafter from the broaching position to a discharge position, and means automatically operable to govern the operations of said actuating means including means actuated upon completion of the broaching stroke to effect an indexing of said work support carrying the work to discharge position.

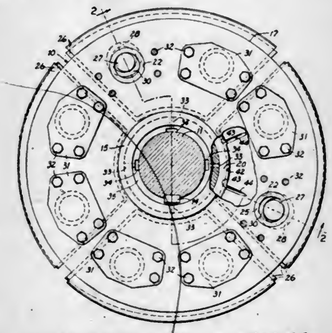
2,343,421

TORSIONAL VIBRATION DAMPER

Frederic P. Porter, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application July 31, 1942, Serial No. 452,982

2 Claims. (Cl. 74—574)



1. In combination with a rotatable shaft, a vibration damper carried by the shaft and including a spider, one or more pendulum weights carried by and constrained to vibrating movement with respect to the spider, each weight being of plate-like aspect and characterized by an inner marginal surface of appreciable extent, a lubricant reservoir formed in the spider inwardly of each pendulum weight, and means for supplying lubricant to said reservoir, the pendulum weight being formed to provide a lubricant duct transversely of its inner marginal surface and terminating in the lateral surfaces of the pendulum weight, supplied with lubricant from said reservoir, and being formed further, to provide lubricant ducts of substantially radial trend, one such duct extending along each lateral surface of the weight and communicating with the adjacent terminal end of said transverse duct.

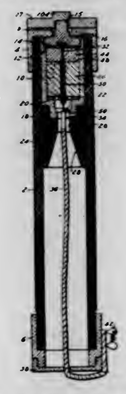
2,343,422

GAS BLAST CIRCUIT INTERRUPTER

Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 20, 1940, Serial No. 319,896

25 Claims. (Cl. 200—120)



2. In a circuit interrupter, means for interrupting the circuit therethrough to establish an arc, means of a combustible material capable of evolving relatively large quantities of hot gases as products of said combustion, means for igniting said combustible material upon operation of said interrupter, means for cooling said gaseous products of combustion, and means for guiding said gases past said cooling means and thereafter through the arc.

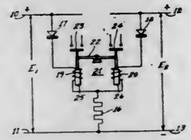
2,343,423

RELAY CONTROL SYSTEM

Maurice E. Reagan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 19, 1940, Serial No. 346,267

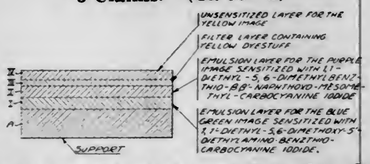
2 Claims. (Cl. 175—320)



1. The combination with a pair of direct-current electric circuits having one common conductor, of a balance relay having opposed operating windings, a resistor, circuit means individually connecting the relay operating windings across said circuits through said resistor to render the relay responsive to voltage differences of the circuits, said resistor being in series circuit relation to both operating windings, and rectifier means of the contact type connected in said circuit means in series circuit relation with each of the relay operating windings, each of said rectifier means being connected to pass current from the

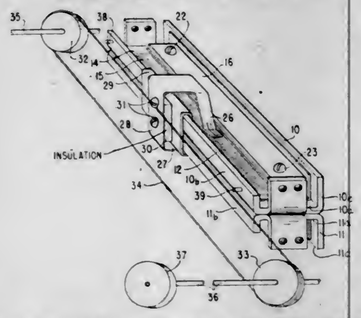
positive to the negative conductors of the electric circuits in the low resistance direction of the rectifier means, thereby to render the balance relay more sensitive to the voltage differences of the electric circuits as the result of the inherent characteristics of the rectifier means of decreasing their effective resistance to current flow in accordance with current density and to a greater extent than a corresponding change in voltage, and the functioning of the resistor to vary the current flow in one operating winding in response to and in the opposite sense to a variation in the current flow in the other operating winding.

2,343,424
SUBTRACTIVE COLOR PHOTOGRAPHY
Wilhelm Schneider, Dessau, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application September 10, 1940, Serial No. 356,143
In Germany April 27, 1937
3 Claims. (Cl. 95—2)



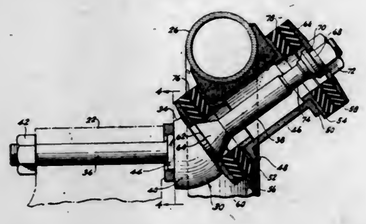
1. A light-sensitive element for color photography comprising a support, a blue-sensitive silver halide emulsion layer having a sensitive range from about 400 to about 480 mμ with a maximum at about 430 mμ to about 460 mμ, a green-sensitive silver halide emulsion layer having a sensitized region from about 460 mμ to about 610 mμ with a maximum at 540 mμ to about 555 mμ, and a red-sensitive silver halide emulsion layer having a sensitized region from about 500 mμ to about 670 mμ with a maximum at about 580 mμ to about 630 mμ.

2,343,425
RHEOSTAT
Howard H. Smith, Washington, D. C., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application May 25, 1942, Serial No. 444,384
8 Claims. (Cl. 201—62)



1. A rheostat comprising a supporting structure provided with a central web and a pair of oppositely directed edge flanges, a pair of resistor elements, one of said resistor elements being disposed on either side of said web, means securing said elements to said web, a runner slidably carried by said edge flanges and movable therealong, and wiping contacts carried by said runner and engaging said resistor elements.

2,343,426
VIBRATION SUPPRESSING ENGINE MOUNT
John M. Tyler, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 29, 1942, Serial No. 428,640
17 Claims. (Cl. 248—5)



1. In a flexible engine mount for securing an engine to an engine support, a plurality of brackets angularly spaced about the axis of rotation of said engine each comprising, a cylindrical member attached to said support, a stem member attached to said engine and projecting therefrom through said cylindrical member with its center line in a plane including the axis of rotation of said engine and at an oblique angle with said axis of rotation, a plate overlying each end of said cylindrical member and centered relative thereto, a pad of resilient material bonded to each plate on the side thereof opposite said cylindrical member, an abutment washer bonded to each pad on the side thereof opposite the respective plate and rigidly secured to said stem member, and friction damping means between said stem and cylindrical members.

2,343,427
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,118
28 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising an ester containing (*a*) at least one polyhydric alcohol radical, (*b*) at least one polybasic carboxylic acid radical, and (*c*) a plurality of acyl-oxy radicals each having 8 to 38 carbon atoms derived from any detergent-forming mono-carboxy acid having 8 to 38 carbon atoms with the proviso that at least one of said acyl-oxy radicals is derived from an hydroxylated detergent-forming mono-carboxy acid having 8 to 38 carbon atoms, each said polyhydric alcohol radical being ester-linked with a plurality of groups each of which groups contains at least one of said acyl-oxy radicals, the number of said groups ester-linked to each polyhydric alcohol radical being at least equal in number in each instance to the valency of the polyhydric alcohol radical so that each polyhydric alcohol radical is free from any uncombined hydroxyl radical directly attached thereto and being additional to the number of such groups ester-linked to any other polyhydric alcohol radical contained in the ester, and at least one of said groups containing a polybasic carboxylic acid radical.

2,343,428
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,119
16 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising a product of esterification reaction between a drastically oxidized fatty body containing an ester forming group and a polyhydric alcohol, said fatty body being selected from the group consisting of unsaturated non-drying and semi-drying vegetable and animal fatty substances, and said product of esterification containing a hydroxyl group in the polyhydric alcohol residue.

2,343,429
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,120
12 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising a drastically oxidized ricinoleic body.

2,343,430
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,121
21 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising a product of esterfication reaction between an alkyl mono-hydroxy alcohol having at least 6 carbon atoms and a polybasic carboxylic acid.

2,343,431
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,122
19 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising an ester amide that is a product of esterification between a polybasic carboxy acid and an hydroxylated amide in which there is present directly attached to the amide nitrogen an acyl radical having at least 8 carbon atoms derived from a detergent-forming carboxy acid having at least 8 carbon atoms.

2,343,432
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,123
25 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising an esterification product which is produced by reaction between a polybasic carboxylic acid and an hydroxylated detergent-forming carboxylic body having more than 8 carbon atoms involving replacement of an alcoholiform hydroxyl of the hydroxylated body with the residue of said polybasic carboxylic acid and which does not contain a residue of a polyhydric alcohol.

2,343,433
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,124
19 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising a product of esterification between an hydroxylated drastically oxidized fatty body and a polybasic carboxylic acid, the fatty body being selected from the group consisting of unsaturated non-drying and semi-drying vegetable and animal fatty substances containing 8 to 32 carbon atoms.

2,343,434
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,125
23 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising an ester containing (*a*) a polyhydric alcohol radical, (*b*) a polybasic carboxylic acid radical, and (*c*) an acyl-oxy radical containing 8 to 38 carbon atoms derived from a detergent-forming monocarboxy acid having 8 to 38 carbon atoms, at least one polyhydric alcohol radical being ester-linked with a group containing said acyl-oxy radical and the number of said groups ester-linked with at least one polyhydric alcohol radical being less than the valency of said polyhydric alcohol radical.

2,343,435
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,126
19 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising a basic ester amine which contains an acyl oxy group containing at least 8 carbon atoms derived from a detergent-forming monobasic carboxy acid having at least 8 carbon atoms and attached to an alkyl radical that in said ester amine occupies an amino-hydrogen position and which ester amine does not contain a polybasic carboxy acid residue.

2,343,436
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,127
21 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, and said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising an ester amine that is a product of esterification reaction between a polybasic carboxy acid and a basic amine which amine contains an alcoholiform hydroxyl for esterification reaction with the polybasic carboxy acid and an acyl-oxy group containing at least 8 carbon atoms derived from a detergent-forming monobasic carboxy acid having at least 8 carbon atoms and attached to an alkyl radical that in the amine occupies an amino-hydrogen position.

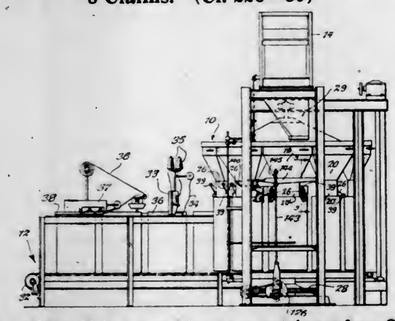
2,343,437
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application February 28, 1941, Serial No. 381,128
19 Claims. (Cl. 252—326)

1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow therethrough but sufficiently compact to filter out solid particles, said filter comprising for contact with oil passing therethrough an agent for increasing the dirt removal rate of said filtering medium, said agent comprising an acidic carboxylic amide derivable by amidification reaction involving a carboxyl group of a polybasic carboxylic acid and an amino-hydrogen atom of an amine containing at least one high molecular weight aliphatic radical.

2,343,438
FILTER
Donald H. Wells, Maplewood, N. J., and Melvin De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application October 18, 1941, Serial No. 415,650
13 Claims. (Cl. 252—326)

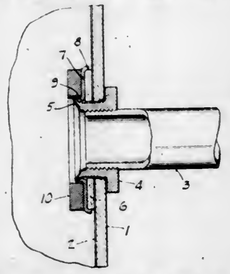
1. A filter for use in connection with the lubricating system of an internal combustion engine, said filter comprising a casing containing a filtering medium which is sufficiently porous to permit oil to flow through but sufficiently compact to filter out said particles, and said filter comprising for contact with oil passing therethrough, an agent for increasing the dirt removal rate of said filtering medium, and said agent comprising a drastically oxidized dehydrated ricinoleic acid body.

2,343,439
BAG FILLING MACHINE
Howard G. Allen, Niagara Falls, and Karl Clifford Saunders, Kenmore, N. Y., assignors to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application June 27, 1942, Serial No. 448,712
8 Claims. (Cl. 226—59)



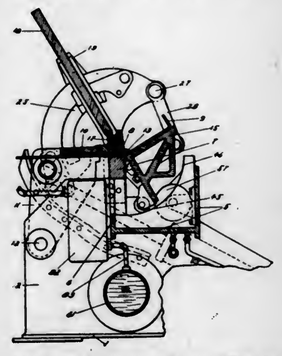
1. A bag filling machine comprising a bag filling spout, main bag grippers for holding a bag in filling position relative to said spout during filling of said bag, means for closing said main grippers, temporary bag grippers for holding an empty bag in proper filling position prior to closing of said main grippers, means responsive to movement of an empty bag into predetermined position relative to said temporary grippers for closing said temporary grippers, and means for opening said main and temporary grippers.

2,343,440
DOMESTIC WATER HEATER
Orrin E. Andrus, Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 15, 1941, Serial No. 393,606
4 Claims. (Cl. 204—197)



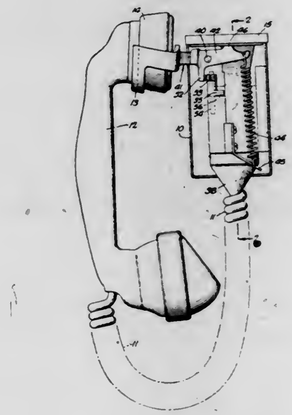
1. In a domestic water heater, a tank wall of a metal cathodic to zinc subject to corrosion when exposed to hot water and having an opening therethrough for a pipe connection, means for connecting a pipe to the wall at said opening, a non-metallic lining to protect the metal wall of the tank from corrosion, a quantity of zinc secured to said connecting means on the inside of the tank and exposed to the water in the tank, said zinc being electrically connected to the tank wall by said connecting means, and zinc galvanizing material coating said pipe connecting means to prevent waste of the zinc from differences in electrical potential.

2,343,441
BENDING BRAKE
Lloyd L. Babcock, Compton, and James O. Bishop, Torrance, Calif., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1941, Serial No. 415,916
25 Claims. (Cl. 153—16)



1. In a plate bending machine, the combination of upper and lower platens adapted to clamp a plate therebetween, a folding leaf pivotally mounted with respect to the lower platen and adapted to bend the plate, a stiffener member pivotally mounted on the upper platen, and means operatively connecting the stiffener member and the folding leaf adapted to maintain the stiffener member substantially at right angles to the work engaging face of the folding leaf for any operative position thereof.

2,343,442
TELEPHONE SUBSTATION APPARATUS
Edward Bertalan, Glen Arm, and Dawson M. Taggart, Ruxton, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1943, Serial No. 471,550
10 Claims. (Cl. 179—100)

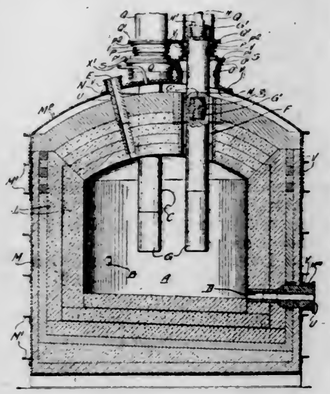


5. In a telephone substation apparatus including a hand telephone, a telephone mounting, and a cord to connect said hand telephone to said telephone mounting, means to allow unkinking of said cord comprising a freely rotatable member having a toothed wheel thereon, and a detent to engage said toothed wheel to hold said freely rotatable member stationary at predetermined intervals.

2,343,443
ELECTRIC ARC FURNACE
Frank W. Brooke, Pittsburgh, Pa., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1941, Serial No. 407,394
6 Claims. (Cl. 13—9)

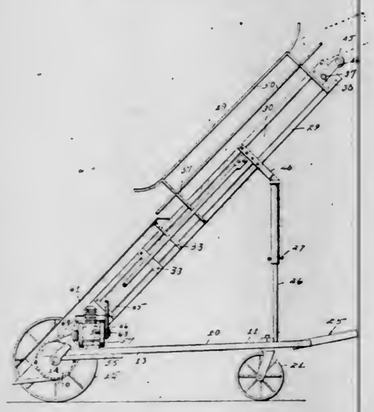
1. An electric arc furnace comprising a refractory furnace wall enclosing a furnace chamber and formed with electrode openings, longitudinally movable electrodes extending through said openings and each comprising a pluraility of end to end sections and a threaded connection between each adjacent pair of said sections, the outer end section of each electrode being in the form of a metal bar, a metallic casing enclosing said refractory wall and comprising a tubular casing portion for each electrode including a separable outer end section of a length greater than the electrode section length through the outer end of which the corresponding metal bar section

extends, and means at the outer end of each such tubular casing section cooperating with the me-



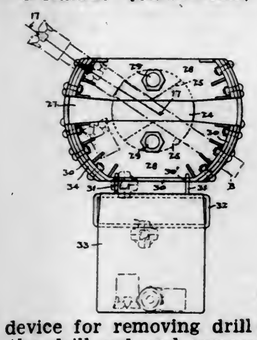
tallic bar section of the corresponding electrode to prevent leakage into or out of said tubular casing at said outer end.

2,343,444
LOADER FOR BALED MATERIAL
Guy Coon, Hartford, Iowa
Application September 18, 1942, Serial No. 458,759
5 Claims. (Cl. 198—233)



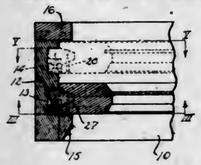
1. In a wheel-supported elevator frame including a conveyor drive shaft, a pawl and ratchet mechanism adapted to releasably connect the elevator wheels to said conveyor drive shaft, means for imparting power to said drive shaft independently of said ratchet mechanism comprising a prime mover carried by said frame including a power shaft having ends extending from opposite sides of said prime mover, transmission mechanism, means pivotally supporting said prime mover whereby the positions of the ends of said shaft may be reversed for selective connection with said transmission mechanism, and means for operatively connecting and disconnecting said transmission mechanism with said conveyor drive shaft.

2,343,445
MEANS FOR REMOVING DETACHABLE DRILL BITS FROM DRILL RODS
Ernest Craig and Robert Craig, Falconbridge, Ontario, Canada
Application December 13, 1940, Serial No. 369,964
8 Claims. (Cl. 29—86.1)



1. In a device for removing drill bits slotted to receive the drill rod and remove the bit by impact, means for automatically retaining the removed bits, and means for directing the removed bits to said retaining means.

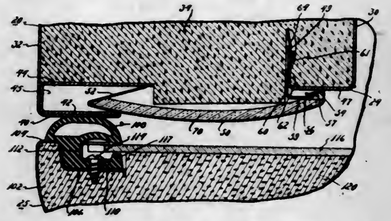
2,343,446
WINDOW STRUCTURE
Owen L. Dautrick, Ferndale, Mich.
Application April 13, 1942, Serial No. 438,731
1 Claim. (Cl. 20—52.3)



In a window frame having guide channels in its opposite sides for a window sash, slider elements in said channels, said sash having longitudinally extending grooves in its sides, each slider element comprising a body strip and a braking strip, each body strip having a portion of rectangular cross-section engageable with one side of the corresponding channel and having a tongue extending full length thereof and projecting inwardly for engagement in the corresponding groove of said sash, each body strip having a longitudinally extending recess therein for receiving the corresponding braking strip for engagement with the other side of the corresponding channel, spring means between the strips urging them apart for friction engagement of the body strip and braking strip with the opposite sides of the corresponding channel, screws holding each braking strip to the corresponding body strip but permitting free transverse movement of said braking strip by said spring means, means detachably securing the sash to said tongues whereby said slider elements will follow the movement of the sash in the frame, the longitudinal recess in each body strip terminating short of the upper ends of the strip whereby to leave overhanging portions at the ends of the body strip over the longitudinal recess therein to function as upper and lower abutments for holding the corresponding braking strip against longitudinal displacement and for protecting the braking strip holding screws against strain, the lengths of said slider elements being such that, upon detachment of the sash

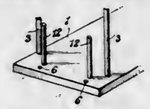
from the slider element tongues, said elements and sash may be shifted relatively longitudinally for separation from each other and bodily removal of the sash from the frame.

2,343,447
REFRIGERATING APPARATUS
Earl D. Drake, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application July 18, 1941, Serial No. 402,902
1 Claim. (Cl. 220—9)



A refrigerator cabinet comprising inner and outer metal shells having a door opening formed therein, said shells having edge portions about the periphery of the door opening, the metal of the edge portion of the outer shell being bent to form a pocket and including a section extending toward the inner shell, the metal of the inner shell being bent to provide a flange extending toward the outer shell but spaced therefrom, a short inturned flange carried by said flange extending rearwardly from said door opening in substantially parallel relation with the side wall of the inner shell, a thin metal breaker strip having the edges thereof provided with diagonally inwardly turned flanges, the flange along one edge of the breaker strip being inserted in said pocket and engaging a wall thereof and causing the body of the breaker strip to engage the opposite wall of the pocket, and a clip removably connected to said short inturned flange and having a portion extending substantially parallel with the flange of the inner shell and spaced therefrom and projecting between the breaker strip and the other diagonal flange thereof for securing the breaker strip against the flange of the inner shell.

2,343,448
SLICING DEVICE
Mabel C. Fay, Floral Park, N. Y.
Application January 28, 1943, Serial No. 473,782
3 Claims. (Cl. 146—150)



1. In a slicing device, a base board, said board having recesses in its upper surface, posts adapted to be received in said recesses and rising vertically therefrom, a second series of posts disposed at a distance from the first posts, the first series comprising knife guides and being spaced apart sufficiently to permit of the passage of the article to be sliced between them, the second series constituting stops against which an end of said article is rested, the base board having a series of recesses permitting positioning of the second series of posts in any one of several positions relative to the first posts.

2,343,449
GLOVE
Christian J. Franzl, Miami, Fla.
Application October 23, 1941, Serial No. 416,142
5 Claims. (Cl. 2—169)



1. In a glove of the character described, a pattern comprising integral back and palm portions, including back and front finger portions, said pattern having a portion extending from back to front at the index finger, sides of the glove at the little finger and index finger being seamless, and a thumb pattern insert comprising a thumb portion, said thumb pattern having a portion extending to a crotch at the fingers, a portion extending to and including a wrist portion joining portions of said first-mentioned back and palm portions, and a portion stitched to form a thumb.

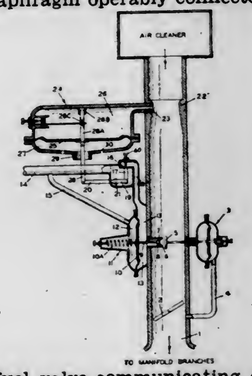
2,343,450
MANUFACTURE OF NONKNOCKING MOTOR FUELS FROM LIQUID HYDROCARBONS BY CATALYTIC CRACKING
Gerhard Free and Wilhelm v. Füner, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application May 14, 1940, Serial No. 335,118. In Germany January 9, 1939
6 Claims. (Cl. 196—52)

1. The process of manufacturing a non-knocking motor fuel from a liquid vaporizable hydrocarbon oil, which comprises passing said hydrocarbon oil completely vaporized at a temperature between 300° and 500° C. in the presence of a gas having an oxidizing action over a stationary hydrosilicate catalyst under conditions suitable to effect a substantial conversion of said hydrocarbon oil into gasoline and reactivating said catalyst after at least twice the time for which the catalyst retains its activity in the absence of said gas.

2,343,451
VARIABLE FUEL ORIFICE CARBURETOR
Owen L. Garretson, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 21, 1942, Serial No. 439,871
2 Claims. (Cl. 261—69)

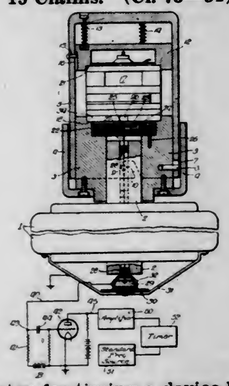
1. A charge forming device for internal combustion engines having a source of fuel under super atmospheric vapor pressure comprising an air intake conduit having a venturi, a fuel passage connecting the air intake conduit with the source of fuel, a primary variable fuel valve controlling the flow-rate of fuel in said passage, a secondary variable fuel valve in said fuel passage downstream of the primary fuel valve and controlling the pressure of the fuel going into the intake conduit to maintain the same under substantially constant pressure at all times, a housing having a pressure responsive diaphragm

dividing the housing into an upper and lower chamber, said diaphragm connected operably with the primary fuel valve, spring means within the upper chamber urging said primary fuel valve closed, the upper chamber communicating with the air intake conduit at the venturi and the lower chamber with the atmosphere, so that air flow through the air intake conduit will open the primary fuel valve against the action of the spring in the upper chamber, a pressure responsive diaphragm operably connected with the



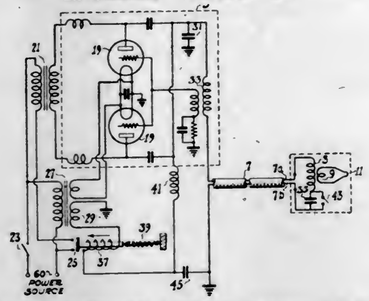
secondary fuel valve communicating on one side with the fuel passage upstream of the primary fuel valve, the opposite side of the diaphragm communicating with the fuel passage downstream of said primary fuel valve and spring means opposing the pressure exerted on said last diaphragm by the pressure of the fuel upstream of the primary valve along with the pressure on the opposite side of said last mentioned diaphragm to insure a substantially constant pressure differential across said primary fuel valve.

2,343,452
TIMING APPARATUS
Thomas B. Gibbs, Delavan, Wis., assignor, by mesne assignments, to George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application August 11, 1941, Serial No. 406,350
15 Claims. (Cl. 73—51)



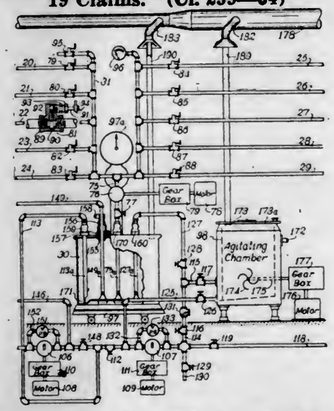
1. Apparatus for timing a device having a part which is subjected to oscillatory motion, comprising means for rotating said device, means for forming a variable condenser including said part as an element and having a capacity which is varied by oscillatory motion of the part while said device is rotating, and means responsive to variations in the capacity of said condenser for generating periodic voltages.

2,343,453
ELECTRICAL HEATING APPARATUS
Henderson C. Gillespie, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,182
12 Claims. (Cl. 219—13)



1. In an electrical heating system, the combination of a high frequency oscillation generator having a supply circuit including a switch, a low frequency control circuit including means for controlling said switch, said circuits having input terminals for connection of both said generator and said control circuit to a low frequency power source, a heating device, a circuit coupling said generator to said heating device for delivering high frequency energy to said device from said generator when said generator is energized from said source, said coupling circuit and said control circuit including a common path, and a switch device connected in said low frequency circuit for controlling operation of said control means.

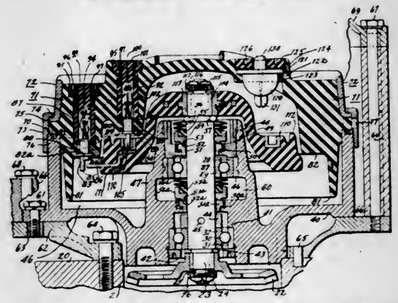
2,343,454
METHOD AND APPARATUS FOR MIXING LIQUIDS
A. De Vere Harnett, Racine, Wis.
Application July 20, 1940, Serial No. 346,609
19 Claims. (Cl. 259—64)



1. In apparatus for mixing a plurality of different liquids at least a portion of which are volatile and which comprises separate containing chambers for said liquids, a mixing tank, conduits for conducting the liquids in said containing chambers to said mixing tank, means for selectively exhausting said conduits one at a time, thereby to withdraw one at a time selected liquids from said containing chambers into said mixing tank, and weighing apparatus compris-

ing a movable part supporting said mixing tank and operative to measure the quantity of each liquid transmitted to said mixing tank; the combination which includes an exhaust fan for withdrawing from said mixing tank any vaporization products resulting from the transmission and mixing of said volatile liquids, and conduit means connecting the interior of said mixing tank with said exhaust fan and provided with a pair of relatively movable orifice members arranged to permit substantially free movement of said mixing tank with said movable part of said weighing apparatus.

2,343,455
IGNITION DISTRIBUTOR
Herman L. Hartzell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 7, 1942, Serial No. 457,605
5 Claims. (Cl. 200—19)

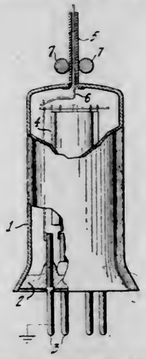


1. A gas-tight ignition distributor for use at high as well as low altitude comprising a housing, a nonconducting distributor cover attached to the housing and providing therewith a chamber for receiving gas under pressure, means for admitting gas under pressure to the chamber, means for sealing the joint between the cover and housing, a shaft rotatably supported by the housing and extending into the chamber, a rotor within the chamber driven by the shaft, a shaft seal for preventing the escape of gas from the chamber along the shaft, a conducting segment carried by the rotor, distributor posts carried by the cover and extending therethrough and receiving sparking impulses distributed by the rotor segment, a terminal carried by the cover and extending therethrough for making an electrical connection with a source of sparking impulses and with the rotor segment, cable receiving sockets provided by the cover and respectively enclosing the posts and terminal, insulated cables received by the sockets having their conducting portions respectively in engagement with the posts and terminal, sealing means respectively between the posts and terminal and the cover, and sealing means respectively between the walls of the cable receiving sockets and the insulation of the cables.

2,343,456
MONOCALCIUM PHOSPHATE CRYSTALLIZATION
Arthur H. Henninger, Floral Park, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application April 24, 1940, Serial No. 331,387
8 Claims. (Cl. 23—109)

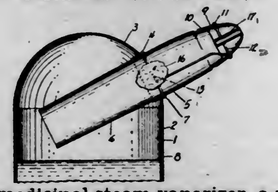
1. The method of forming monocalcium phosphate crystals from a monocalcium phosphate liquor containing free phosphoric acid which comprises heating the liquor so that a major portion of the monocalcium phosphate is converted to dicalcium phosphate and thereafter cooling the liquor so that the dicalcium phosphate is converted to monocalcium phosphate and the monocalcium phosphate is crystallized in a form readily separable from the mother liquor, the concentration of free phosphoric acid in said liquor being within the limits of about 9 to 14%, expressed as P_2O_5, during said crystallization of the monocalcium phosphate.

2,343,457
METAL ENVELOPE RADIO TUBE
Carl Herzog, Belleville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1942, Serial No. 467,169
3 Claims. (Cl. 250—27.5)



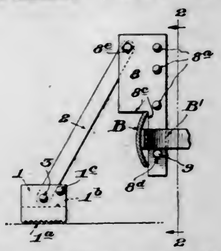
2. An electron discharge device comprising a tubular metal envelope, an electrode assembly in said envelope, a metal exhaust tube attached to and communicating with the interior of said envelope, a lead-in conductor insulatingly sealed in said envelope, a wire, said wire being electrically connected at one end to said contact pin and extending at its other end into said exhaust tube, the exhaust tube and wire being welded together in a homogeneous mass.

2,343,458
VAPORIZER
George Hettinger, East Rutherford, N. J., assignor to American Sundries Company, Inc., Brooklyn, N. Y., a corporation
Application March 11, 1939, Serial No. 261,175
3 Claims. (Cl. 21—117)



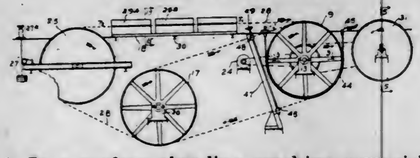
1. In a medicinal steam vaporizer, a water containing closed receptacle, a steam directing tubular spout projecting at an angle from the top of the receptacle, a nozzle piece having a groove and removably fitted on the tip of the projecting spout, and an extending spring wire hook, one end of which is sprung into position in the groove in said nozzle piece and the other end of which extends within the tubular spout and provides a holding element for absorbent medicated material.

2,343,459
AUTOMOBILE JACK
John E. Hines, Rochester, Minn.
Original application June 9, 1941, Serial No. 397,300, now Patent No. 2,270,004, dated January 13, 1942. Divided and this application November 17, 1941, Serial No. 419,498
6 Claims. (Cl. 254—94)



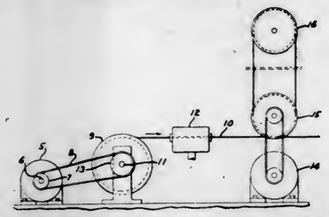
4. Automobile jacking means for raising a wheel of a vehicle body having bumper bars at the ends thereof, comprising a base; a lifting bar swingably mounted thereon; means on the base for normally supporting the bar in an inclined position; a bracket pivotally secured to the lifting bar and adapted to be mounted on one said bumper whereby when so mounted and the vehicle is bodily shifted towards the base, the lifting bar will be swung into substantially raised position, said bumper bar limiting the swinging movement of the lifting bar away from its normal position; and means for preventing rotation of the vehicle wheel adjacent the bracket, said bumper bars being supported by spaced horizontal pairs of brace bars; and said bracket comprising a pair of spaced parallel plates connected together, and having a portion at their front lower corners cut out to form a shoulder adapted to seat upon the bumper bar, the remaining portions of the lower ends of the plates extending behind and below the bumper bar; and a removable horizontal lifting rod transfixing the lower extending portions of the plates and adapted to underlie a pair of brace bars.

2,343,460
GRINDER MACHINE REELING SYSTEM
Louis Illmer and Vernon R. Pallas, Cortland, N. Y.; said Pallas assignor to Leota T. Pallas
Application February 26, 1942, Serial No. 432,406
16 Claims. (Cl. 51—150)



1. In a surface abrading machine comprising grinder means adapted to treat a common laterally pliant work piece, a plurality of abrasive elements respectively brought into successive cutting zone engagement with said work piece, to uniformly abrade around the entire perimeter thereof in a single pass, sectionalized winch sheave means including perimetrically grooved components concentrically mounted in tandem upon a common axle and having the work piece snugly wrapped into plural grooves of each such component, motive means rotating said axle, one of said components being affixed to the axle and serving as the sole traction agency for longitudinally dragging the treated work piece through the aforesaid zones, the work piece portion wrapped in successive grooves of said affixed sheave component being subjected to a gradually reduced tension and the work piece portion wrapped about the other sheave component being substantially maintained at the lower differential tension reached in the fixed sheave grooves.

2,343,461
STRAND SUPPLY APPARATUS
Peter J. Knaus, Hinsdale, and Einer W. Larsen, Elmhurst, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1942, Serial No. 426,300
5 Claims. (Cl. 242—45)

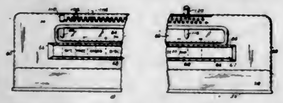


1. A brake for applying a counter-rotative force to a rotating object comprising a three-phase torque induction motor, having a rotating field, a rotor connected to said rotating object, resistances connected to said rotor to provide a suitable torque-speed characteristic and means for driving said rotor in reverse against its field.

2,343,462
PURIFICATION OF HYDROCHLORIC ACID
Robert F. Laird, Salem, and Rufus G. Hartig, Penns Grove, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 2, 1942, Serial No. 441,552
4 Claims. (Cl. 23—154)

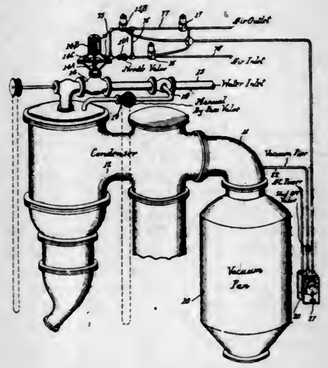
2. The process of separating HCl from at least one of a group consisting of HF and the volatile fluorides in solution which comprises distilling the HCl from the mixture in the presence of one of a group consisting of boric acid and soluble borates.

2,343,463
INDICATING CONTROL APPARATUS FOR PERFORATING MACHINES
Ward Leathers, Brooklyn, N. Y., and William J. A. Bailey, Packanack Lake, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 3, 1943, Serial No. 501,124
12 Claims. (Cl. 164—113)



1. In a keyboard-controlled mechanism for selectively closing a plurality of electrical output circuits leading to the operating magnets of a card perforating and forming machine for forming individual cards from a continuous strip of tape and having a tape-advancing magnet, a shear magnet and a card ejecting magnet, an indicating scale representative of the various card fields and index point positions within said fields to be perforated in the cards by said perforating and forming machine, a movable indicator for said indicating scale movable therealong from an initial position at one end of the scale to a final position at the other end thereof, means under the control of the keyboard for advancing said indicator along the scale in step-by-step fashion, means operable under the control of said indicator-advancing means for periodically closing the output circuit leading to said tape-advancing magnet to advance the tape and indicator in synchronism, and means operable when the indicator has been advanced to its final position adjacent said other end of the scale for returning the same to its initial position and for substantially simultaneously closing the output circuit leading to said shear magnet.

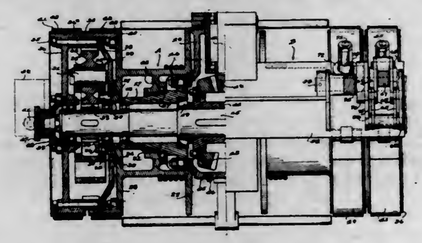
2,343,464
AUTOMATIC VACUUM PAN CONTROL
Jacob H. Llenau, New York, and Jacob J. Neuman, South Salem, N. Y.
Application February 23, 1940, Serial No. 320,478
8 Claims. (Cl. 159—44)



8. In a vacuum producing condenser unit including a valve for regulating the supply of water to the condenser, said valve being normally urged to closed position; the combination with said valve of a fluid pressure device for opening the same, fluid pressure connection to said device, an inlet valve in said connection for controlling the supply of fluid pressure to said device, a manually settable valve for restricting the rate of flow of fluid through said connection, an outlet connection for the evacuation of fluid pressure from said device, by-passing legs connecting the inlet connection with said outlet connection at opposite sides of said manually settable valve, an outlet valve in said outlet connection, a by-passing valve in the outlet connection between said by-passing legs, and means responsive to the vacuum conditions for controlling said inlet, outlet and by-passing valves.

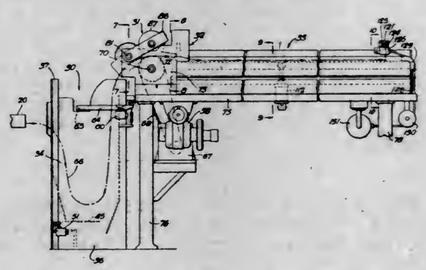
2,343,465
POWER CONTROL UNIT
Robert B. Magee, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application November 24, 1941, Serial No. 420,174
6 Claims. (Cl. 254—187)

6. Hoist mechanism comprising a drive gear case having a lubricant receiving opening, a tubular extension on one side of said gear case, an operating shaft extending through said gear case and said tubular extension and spaced from the inner walls of the latter, anti-friction bearing means interposed between said operating shaft and tubular extension, a cable drum mounted for rotation upon said tubular extension, an oil seal between said cable drum and said tubular extension, a band actuated brake drum secured to one side of said cable drum for rotation therewith, a band actuated clutch drum contiguous to and spaced slightly from said brake drum and mounted for relative rotation about said shaft, an anti-friction bearing interposed between said clutch drum and said operating shaft, said clutch drum being disposed adjacent the free end portion of said operating shaft, a cap on said clutch drum forming a closure for the free end of said operating shaft, a ring gear on the inner face of said clutch drum and bridging the space between said



clutch and brake drums, means for securing said ring gear to the clutch drum for rotation therewith, a plate between said cable drum and ring gear and secured at its peripheral portion to the latter for rotation therewith, an axial extension on said cable drum adjacent said operating shaft, a gear carrier abutting flatwise against the free end of said axial extension, fasteners for securing said gear carrier to said axial extension, an oil seal between said plate and said axial extension, an anti-friction bearing common to said gear carrier and said axial extension, and said operating shaft, means cooperating with said last anti-friction bearing for militating against endwise movement of said cable drum and gear carrier, planet gears on said gear carrier meshing with said ring gear, and a drive gear on said operating shaft meshing with said planet gears.

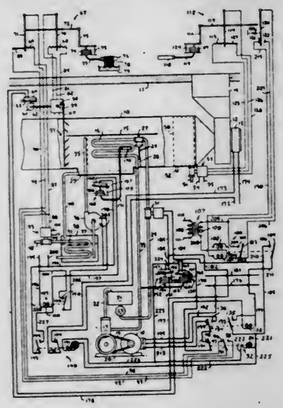
2,343,466
ARTICLE FORMING APPARATUS
Eugene L. Malhiot, Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1942, Serial No. 441,469
8 Claims. (Cl. 140—141)



1. An apparatus for receiving a continuous length of interconnected articles fed thereto at

a predetermined constant rate of speed and cutting it to predetermined lengths comprising means for feeding the continuous length, control means operable by said continuous length for controlling said feeding means, a table for receiving said continuous length from the feeding means, means intermediate the table and feeding means for severing a length of said interconnected articles from said continuous length, and means for tilting the table to discharge said severed length therefrom, said control means including a switch operable by the length of interconnected articles when a surplus length of interconnected articles has been fed to the apparatus to interrupt operation of the feeding means, and a switch operable by the length of interconnected articles when the amount of material fed to the feeding means has been decreased by the feeding means taking up the material faster than it is supplied to the feeding means to initiate operation of the feeding means.

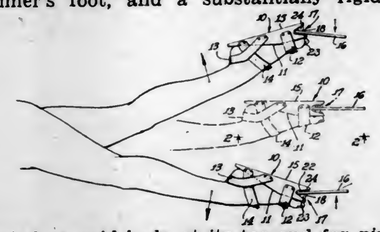
2,343,467
AIR CONDITIONING CONTROL SYSTEM
William L. McGrath, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 28, 1941, Serial No. 400,283
23 Claims. (Cl. 257—3)



20. In an air conditioning system, in combination, a cooling means, means for passing air over the cooling means, means for spraying water into the air, means for heating the water, moisture responsive means in control of said cooling means and water heating means for operating said cooling means to produce a relatively low temperature when dehumidification is desired and for operating said water heating means to heat the water when humidification is desired, and air temperature responsive means for operating said cooling means at a relatively high temperature and for preventing heating of the water by said water heating means when the air temperature is too high.

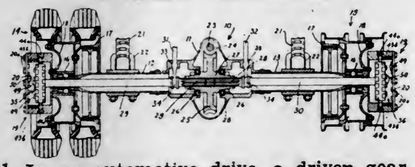
2,343,468
PROPULSION DEVICE FOR SWIMMERS
Harold L. Messinger, Los Angeles, Calif., assignor of one-half to Lawrence P. Romano, Los Angeles, Calif.
Application November 18, 1942, Serial No. 466,016
7 Claims. (Cl. 9—21)

1. A propulsion device for swimmers comprising a body adapted to engage the sole of the swimmer's foot, and a substantially rigid fin



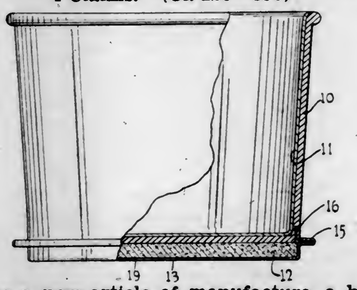
mounted on said body at its toe end for pivotal movement thereon through a fixed angle.

2,343,469
AUTOMOTIVE DRIVE
Charles G. Miller, Easton, Conn.
Application January 20, 1942, Serial No. 427,400
11 Claims. (Cl. 192—50)



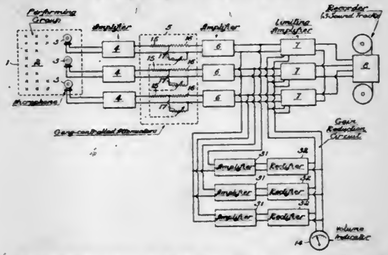
1. In an automotive drive, a driven gear including an internally splined hub, a pair of oppositely extending shafts each having a splined end entering said hub whereby the shafts are rotatable therewith but may be shifted longitudinally with respect thereto, a stationary load supporting housing about said gear and said shafts, a wheel rotatably mounted on each outer end of said housing, each of said wheels including a hollow hub at its outer side beyond the end of said housing, said shafts extending beyond the ends of said housing, a ratchet wheel on the outer end of each of said shafts and located in said hollow hubs, pawl means carried by said hubs for cooperation with said ratchets for driving of said wheels by said shafts, and means for shifting said shafts longitudinally to carry said ratchets to and from driving relation with said pawls.

2,343,470
NONINFLAMMABLE AND SHOCKPROOF HOLLOW VESSEL
Leo Nast, Fanwood, N. J., assignor to United Plastics Corporation, New York, N. Y.
Application September 23, 1942, Serial No. 459,366
4 Claims. (Cl. 126—390)



1. As a new article of manufacture, a hollow vessel or container, such as a cup or pot, substantially of organic thermosetting plastic material which is solid and heat resistant at elevated temperatures, non-inflammable and shockproof but carbonizable in an open flame, substantially comprising a hollow body of said material open at its top and provided with a bottom to be exposed at its outside to an open flame, protective refractory means arranged at said outside of the bottom, and metallic means permanently and integrally connected with said body and laterally projecting beyond said bottom so as to protect its side wall against the attack of an open flame, said metallic means also holding said refractory means in place.

2,343,471
BINAURAL TRANSLATING SYSTEM
George M. Nixon, Floral Park, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1941, Serial No. 385,815
9 Claims. (Cl. 179—1)



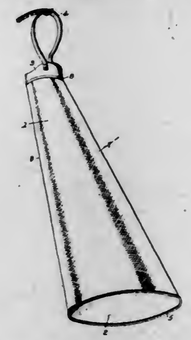
1. A stereophonic system having a plurality of at least three electrical wave transmission channels, a microphone coupled to the input end of each channel, said microphones being spaced apart, thereby to pick up sound waves at different intensities dependent upon the distances over which said waves travel in air, an amplifier in each channel, rectification means individual to each said amplifier, and means common to said amplifiers for controlling the gain therein, said means being operable in response to electrical energy derived from that one of the rectification means in which the energy amplitude is greatest.

2,343,472
CATALYTIC CRACKING OF HYDROCARBONS
Mathias Pier, Heidelberg, and Gerhard Free, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application May 6, 1941, Serial No. 392,114. In Germany May 6, 1940
6 Claims. (Cl. 196—49)

1. A process for the production of a non-knocking motor fuel, which comprises passing a hydrocarbon fluid mainly boiling above 250° C. and capable of being vaporized under the reaction conditions, at a cracking temperature through more than one reaction zone, the initial material being introduced at a pressure not higher than 25 atmospheres and the pressure between at least two reaction zones being reduced by at least 5 atmospheres without substantially reducing the temperature, the last reaction zone containing a synthetic magnesium silicate as a cracking catalyst and thereby surpassing any previous reaction zone as to the catalytic cracking effect.

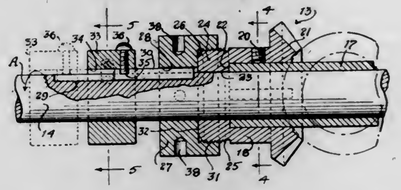
2,343,473
COMPACT AND PORTABLE UNDERWATER VIEWING DEVICE
Harry H. Pierson, Auburn, N. Y.
Application June 11, 1941, Serial No. 397,582
1 Claim. (Cl. 88—1)

A portable and collapsible under-water viewing device comprising an elongated cone-shaped member of flexible and foldable material forming a sight tube, a head-piece mounted on the small end of the cone-shaped member, the head-piece having a sighting aperture and having means for attaching the device to the head of the user to hold the sight aperture in alignment with the user's eyes, and a transparent observation window



facing the viewing aperture mounted in the other end in watertight relation thereto, the observation window being adapted to float substantially level on the surface of the water while permitting limited movement of the head of the user due to the flexible and foldable material, the device when not in use being collapsible for storing in a small space.

2,343,474
AUTOMATIC SAFETY STOP
Donato Pinnelli, Orange, N. J.
Application August 7, 1942, Serial No. 454,029
7 Claims. (Cl. 192—56)

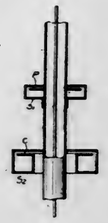


1. In a safety stop of the character described, a drive shaft, a sleeve journaled thereon, cooperating clutch elements respectively carried by the sleeve and shaft, driven mechanism in constant association with the clutch element on the sleeve, a threaded connection between the clutch elements having the direction of threads for the separating movements thereof in the direction of rotation of the drive shaft, and an abutment member adjustably mounted on the drive shaft and having means movable therewith for connecting and disconnecting one of the clutch elements relative to the drive shaft.

2,343,475
TRANSMISSION LINE
Hans Jakob Ritter von Baeyer, Hans Otto Roosenstein, and Friedrich Tischer, Berlin, Germany; vested in the Alien Property Custodian
Application November 30, 1940, Serial No. 367,936
In Germany June 21, 1939
2 Claims. (Cl. 178—44)

2. A wave trap to suppress the traveling along a conductor path of waves of a particular high

frequency wherein the conductor path is along a cylindrical conductor, the combination with said conductor of, an annular shell mounted about said conductor and formed by a cylindrical member spaced from said conductor and a pair of parallel annular plates attached at their outer peripheries to said cylindrical member, one of said annular plates being attached at its inner periphery to the conductor and the other of said



annular plates being spaced at its inner periphery from said conductor to form a slit, and an annular condenser plate within said shell mounted at its inner periphery upon said conductor adjacent said slit and positioned in coacting relationship with respect to the annular plate forming said slit whereby a condenser is formed of predetermined characteristics, said shell having radial and axial dimensions whereby the trap is tuned to the desired frequency.

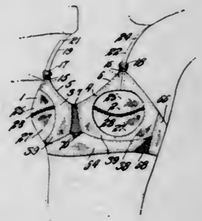
2,343,476

BRASSIÈRE

William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York

Application February 25, 1939, Serial No. 258,376

2 Claims. (Cl. 2—42)



1. In a brassière, a pair of breast receiving pockets, an elastic element joining said pockets, a diaphragm band secured to said pockets along the lower edge thereof, said diaphragm band having a notch in its upper edge below the aforementioned elastic element and means for holding said pockets and diaphragm band upon the body of the wearer.

2,343,477

BOOT SOCK

Michael Paul Ross, Burlington, Wis.

Application November 24, 1941, Serial No. 420,299

2 Claims. (Cl. 36—10)

1. A boot sock comprising a foot portion and a leg portion, the latter being adapted to cover the calf portion of the leg of a wearer, said foot and leg portions being formed of inelastic material, said leg portion being split vertically at opposite sides, one edge of the split overlapping the other edge and both of said edges being free of each other, and elastic strips extending the full length of the slits, each vertical edge of the elastic strips being secured to the outer sur-



face of the leg portion at points in substantially spaced parallelism to the vertical edges of the split and covering the latter.

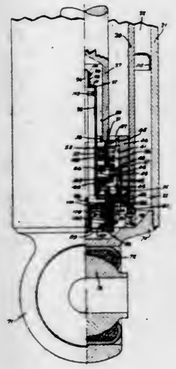
2,343,478

SHOCK ABSORBER

Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 12, 1943, Serial No. 475,600

10 Claims. (Cl. 188—88)



1. A hydraulic shock absorber comprising in combination; a cylinder having a fluid discharge opening; fluid displacement means in said cylinder, said means comprising a piston provided with a passage for the transfer of fluid therethrough and a rod for reciprocating said piston; a valve normally closing said piston passage but adapted to establish a substantially unrestricted flow of fluid through said passage as the piston is moved in one direction; dual means for controlling the flow of fluid from the cylinder through the discharge opening, one being a fixed orifice the other a spring loaded valve adapted to become effective in response to a predetermined fluid pressure; and means cooperating with the piston when it reaches a predetermined point in its movement in said one direction, for rendering the orifice control ineffective.

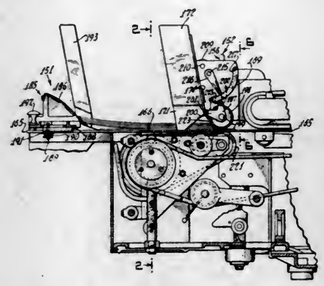
2,343,479

ENVELOPE HOPPER AND STRIPPING MECHANISM FOR MAIL TREATING APPARATUS

Commodore D. Ryan and Frank P. Sager, Los Angeles, Calif., assignors to National Postal Meter Company, Inc., Rochester, N. Y., a corporation of Delaware

Original application April 29, 1940, Serial No. 332,305. Divided and this application December 2, 1941, Serial No. 421,320

14 Claims. (Cl. 271—41)



1. In a stripping mechanism for the feed hopper of an object treating machine, a pair of spaced non-rotative rubber-tired stripping rollers, means mounting each of said rollers for independent movement, a single control means for limiting the movement of said rollers in their direction of contact without affecting the independent upward movement of said rollers when engaged by an object, and an independent spring means for each roller arranged to independently resist the upward movement of each of said rollers.

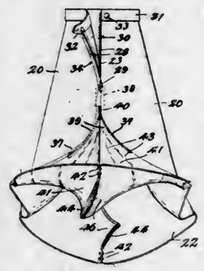
2,343,480

COMBINED AND CONVERTIBLE SKIRT AND BIFURCATED GARMENT

Mary L. Sansom, New York, N. Y.

Application August 6, 1942, Serial No. 453,846

12 Claims. (Cl. 2—213)



5. A garment of the character described having front and rear skirt portions open from their lower edges to provide gores, complementary manually operable separable fasteners along lateral margins of the gores, skirt material inwardly of said gores having diagonally extending upper edges forming flaps and stitched together to connect companion flaps whereby to form shields for the gores, manually operable separable fasteners carried by the extremities of said flaps for detachably connecting front and rear flaps with each other to form a closed crotch and leg portions.

2,343,481

PERMANENT MAGNET STEEL

Kenneth L. Scott, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application April 28, 1942, Serial No. 440,875

7 Claims. (Cl. 148—21.6)

1. A method of making a permanent magnet comprising the steps of melting .2% to .75% chromium, .5% to 1% carbon, .5% to 1.25% manganese and the rest iron together to form an alloy, heating the alloy to cause the carbon to enter solution with the iron and then cooling the alloy in an oil quench.

6. A permanent magnet comprising .2% to .75% chromium, .5% to 1% carbon, .5% to 1.25% manganese and the rest iron, the alloy having been heated to cause the carbon to enter solution with the iron and then cooled in an oil quench.

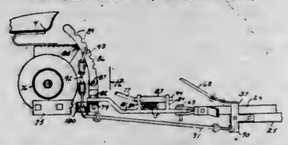
2,343,482

TRACTOR OPERATED DISK HARROW

Eugene R. Simonka, Brecksville, Ohio, assignor to Dunham Company, Berea, Ohio, a corporation of Ohio

Application June 22, 1942, Serial No. 447,921

11 Claims. (Cl. 55—83)



10. In a disk harrow implement for propulsion by a tractor having an operator's seat, a main frame pivotally supporting a pair of disk gangs so as to swing into ground working angle positions, upon forward propulsion of the implement, forwardly and rearwardly movable means associated with the main frame to move the disk gangs to substantially non-working angle positions upon forward movement and to allow them to move to working angle positions upon rearward movement of said means, a first set of connections extending forwardly from the implement, to attach the main frame to the main draft point of the tractor for forward propulsion, a second set of connections extending forwardly from the implement to attach the forwardly and rearwardly movable means to an auxiliary power take off of the tractor, and an adjustable connection associated with the forwardly and rearwardly movable means and reacting upon the tractor to adjustably stop rearward movement of said means to adjustably determine the working disk gang angle, said adjustable connection being accessible to an operator of the tractor from the tractor seat.

2,343,483

INTERPOLYMERS OF STYRENE AND THE REACTION PRODUCT OF MALEIC ESTERS WITH RELATIVELY NONCONJUGATED DRYING OILS AND PROCESS OF PREPARING THE SAME

Ben Edmund Sorenson, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

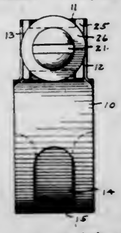
No Drawing. Application May 17, 1940, Serial No. 335,788

14 Claims. (Cl. 260—23)

3. As a new article of manufacture the interpolymer of (A) a fatty oil having drying properties and a degree of conjugation not greater than

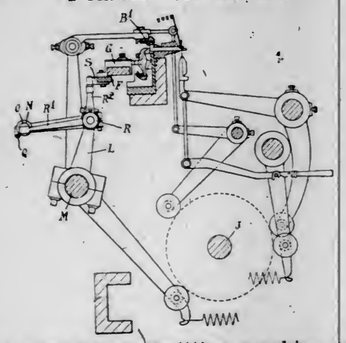
that of dehydrated castor oil with a diester of maleic acid and an alcohol selected from the group consisting of allyl and methallyl alcohol; and (B) material selected from the class consisting of styrene and vinyl esters of the saturated lower fatty acids.

2,343,484
HOSE CLAMP
Verner E. Sprouse, Columbus, Ind.
Application November 11, 1943, Serial No. 509,824
5 Claims. (Cl. 24—19)



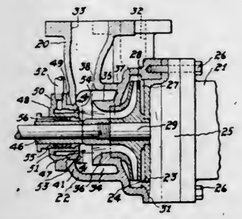
1. A hose clamp comprising a band having a longitudinal slot through a length thereof; a reduced width portion of the band beyond said slot forming a tongue; said band and tongue being rolled and lapped upon itself to have the tongue carried through from the inside to the outside of the band through said slot; an outturned foot on one end of the band adjacent an end of said slot; a bracket having a transverse slot therethrough; a foot on said bracket following substantially the curvature of said rolled band; said tongue emerging from said band slot, from the inside to outside, and passing over the outside of said bracket foot and entering through said bracket slot and extending therebeyond under said bracket; an outturned clamp foot on said bracket at the end thereof toward which said tongue is directed; and means for pulling said band foot and said bracket clamp foot one toward the other as means for reducing the effective diameter of the rolled band.

2,343,485
STRAIGHT-BAR KNITTING MACHINE
Harry Wilfred Start, Carlton, and Ernest Start, Wilford, England, assignors to George Blackburn and Sons Limited, Nottingham, England
Original application April 20, 1942, Serial No. 439,773. Divided and this application January 14, 1943, Serial No. 472,370. In Great Britain February 8, 1941
4 Claims. (Cl. 66—157)



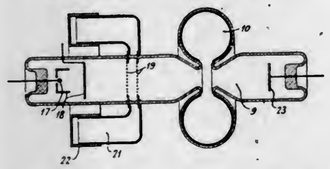
1. A straight-bar knitting machine comprising in combination, needles, a thread guide, jack and dividing sinkers, a catch-bar, means to raise and lower the catch-bar, a catch-bar shaft angularly adjusted by a cam on the main shaft to advance and withdraw the catch-bar, jacks to advance the jack sinkers, a slur cock carried on a reciprocating bar to operate the jacks, a control rod longitudinally adjusted to disconnect or cut off the driving power and means interposed between the catch-bar shaft and the slur cock, to move the control rod longitudinally if the catch-bar shaft moves during the motion of the slur cock.

2,343,486
PUMP
Alexey J. Stepanoff, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application April 23, 1943, Serial No 484,178
1 Claim. (Cl. 103—5)



A pump, comprising a casing having inlet and discharge chambers, an impeller in the casing to pump fluid from the inlet chamber to the discharge chamber, an inlet tube to convey fluid from the inlet chamber to the impeller and having a flared inlet opening, and nozzle means in the wall of the inlet chamber having a group of outlet openings arranged in circular fashion and positioned to direct a plurality of jets of fluid into the flared inlet opening at points spaced from the wall and the axis of the flared inlet opening for driving fluid through the tube into the eye of the impeller.

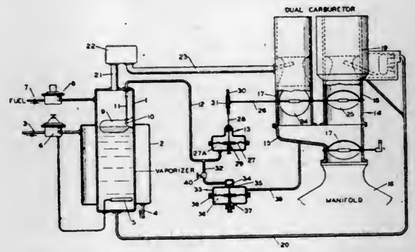
2,343,487
ELECTRON DISCHARGE DEVICE
Eberhard Steudel, Berlin-Dahlem, Germany, assignor to General Electric Company, Schenectady, N. Y., a corporation of New York
Application August 30, 1941, Serial No. 408,959
In Germany April 24, 1940
6 Claims. (Cl. 250—27.5)



1. An electron discharge device having means for supplying a beam of electrons and other means for receiving said beam of electrons and a cavity resonator intermediate said two means and provided with a gap surrounding the path of the beam of electrons between said two means, a pair of spaced control members forming a gap therebetween extending transversely of the path of the beam of electrons between said beam supplying means and the cavity resonator, a pair of concentric coaxial cup-like members provided with registering apertures registering with said

control members and coupled thereto and a member of U-shaped cross section telescopically positioned over the ends of the cup-like members closing said ends to provide an adjustable cavity resonator.

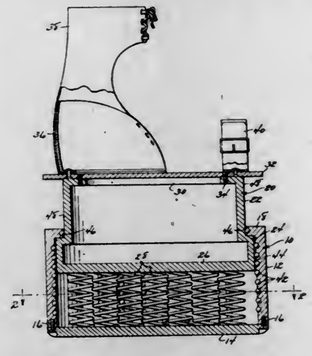
2,343,488
CARBURETOR FOR HIGHER THAN NORMAL VAPOR PRESSURE FUELS
Rosswell W. Thomas, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 15, 1941, Serial No. 419,354
4 Claims. (Cl. 261—16)



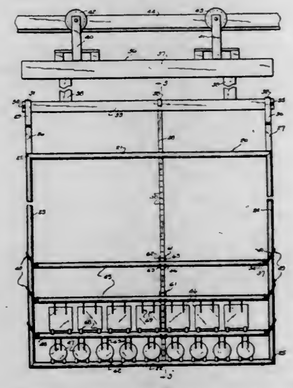
1. An internal combustion engine charge-forming device for utilizing hydrocarbon fuels at least certain components of which possess superatmospheric vapor pressure comprising a vaporization chamber having a float wherein, on pressure reduction, vaporization of the high pressure components of said fuel takes place to form a liquid fuel and a gaseous fuel, carbureting means for the liquid fuel and carbureting means for the gaseous fuel, a fuel-air intake tube connecting the gaseous carbureting means with the engine and a fuel-air intake tube connecting the liquid fuel carbureting means with the engine, passages for each of said fuels connecting the vaporization chamber with each carbureting means whereby liquid and gaseous fuel flow from the vaporization chamber is induced in accordance with air flow through said carbureting means, a valve in each of the intake tubes between the carbureting means and the engine to control the air flow and thereby the fuel flow through the respective intake tubes, said valves being so connected that when one valve is moved toward closed position, the other valve is moved toward open position to vary the relative proportion of liquid and gaseous fuel flow induced by air flow through the carbureting means and said valves connected through operating means which operating means is actuated by vapor pressure from the vaporization chamber, the float in the vaporization chamber rising upon an increase in the liquid level in the vaporization chamber to dampen the flow of vapor to the operating means which in turn actuates the operating means to open the valve in the liquid carburetor further and at the same time close the vapor carburetor valve an equal amount.

2,343,489
AMUSEMENT DEVICE
Rupert H. D. Westmaas, Georgetown, Demerara, British Guiana
Application August 5, 1942, Serial No. 453,699
1 Claim. (Cl. 36—7.8)

A device of the character set forth comprising a sole section of hollow formation and provided at its upper side with an inturned flange, vertical rows of bearings mounted on the inner side of the sole section, bearings carried by the inner edge of the flange, a shoe section having a head and neck, the head being larger in horizontal dimensions than the flange and located within the sole section below the flange and the neck extending upwardly from the head through the flange of the sole section, the head having a vertical wall contacting with said first bearings and the neck contacting with said second bearings, resilient means located between the lower side of the head and the bottom of the sole section normally holding the head in contact with the flange, and means carried by the upper end of the neck to secure the device to the foot.

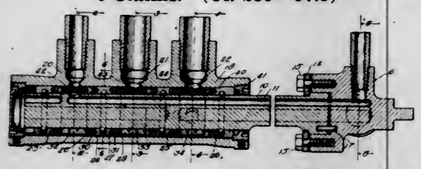


2,343,490
APPARATUS FOR USE IN TEMPERING GLASS
Gerald White, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 4, 1940, Serial No. 327,845
13 Claims. (Cl. 49—45)



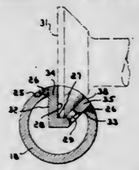
8. In apparatus for supporting glass plates in a vertical position during a tempering operation, a frame including spaced vertical side members, vertically spaced horizontal supports arranged between said side members and adapted to receive glass plates in a vertical position therebetween, means carried by said supports for supporting the glass plates, yokes carried by the side members of said frame and being provided with hook portions, and means carried at the opposite ends of said supports for engaging the hook portions of said yokes.

2,343,491
SWIVEL JOINT
Francis N. Bard, Highland Park, and Victor W. Breitenstein, Charles J. Olds, and Lawrence A. Wray, Chicago, Ill.; said Breitenstein, said Olds, and said Wray, assignors to said Bard
Application April 30, 1942, Serial No. 441,074
6 Claims. (Cl. 285—97.3)



1. A swivel joint providing a plurality of fluid paths therethrough, including: a casing member having a cylindrical inner surface; a shaft member rotatable within the casing member, having a cylindrical outer surface spaced from that of the casing member, and having at least two longitudinal passageways therethrough, such passageways opening to the surface of the shaft member at spaced points therealong and the casing member having openings therein at corresponding points; sealing elements encircling the shaft member between said points and movably engaging each of said surfaces, at least one sealing element having an annular groove therein and one of the associated members having a registering annular groove; and means in such pair of registering grooves for preventing longitudinal movement of the sealing element.

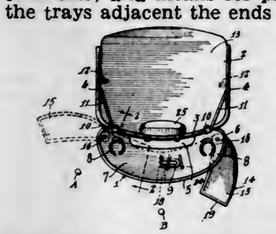
2,343,492
REDUCTION GEAR LUBRICATION APPARATUS
William H. Bartolett, Haddon Heights, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 4, 1942, Serial No. 453,497
3 Claims. (Cl. 299—121)



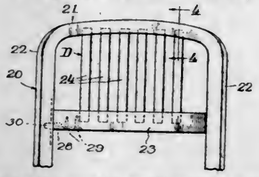
1. In a lubricating device, an oil spray pipe, and one or more plugs extending within the pipe and joined thereto; each plug having a cavity opening through the outside face thereof, said cavity cooperating with opposed outer side surfaces of the plug to define a pair of opposed walls extending within the pipe and one of the walls being provided with an opening for discharging oil from the interior of the pipe against the cavity surface of the opposed wall with an outward component of motion, each plug being welded to the pipe and having its outside face substantially flush with the external surface of the latter.

2,343,493
CABINET FOR HAIRDRESSERS' CHAIRS
Nora Beckett, Orange, Calif.
Application November 5, 1941, Serial No. 417,879
2 Claims. (Cl. 312—152)

1. In a cabinet to be placed at the back of a hair-dresser's chair, the combination of a cabinet body having means for supporting the same on the chair back, said body being elongated transversely with respect to the front-and-rear axis of the chair and being convexly formed at its rear side; and trays for articles used by the hairdresser, carried within the cabinet, including a tray at each side; and means for pivotally supporting the trays adjacent the ends of the cabinet to enable the same to swing rearwardly and outwardly, said cabinet having a cover wall forming a substantially horizontal shelf; the forward side of the cabinet having a recess extending back into the same, and extending downward through the cover wall, and into which refuse may be moved from the upper face of the shelf.

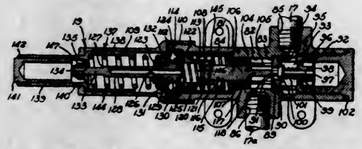


2,343,494
BACK ASSEMBLY FOR COMPOSITE METAL AND WOOD CHAIRS
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Original application July 18, 1941, Serial No. 402,912. Divided and this application June 9, 1943, Serial No. 490,125
3 Claims. (Cl. 155—178)



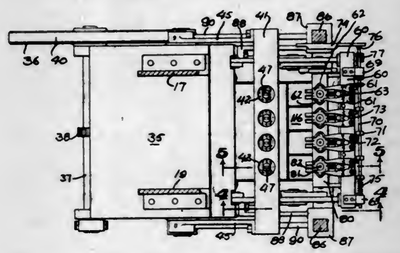
1. A composite metal and wood chair including a metal tubular back frame with a top rail and side rails, a wood splat back assembly comprising a horizontal bar and laterally spaced upright bars fixed thereto and having reduced top ends, the top rail of said back frame having spaced holes in which said reduced ends are engaged, and metal plates detachably connected to the bottom of said horizontal splat bar, said metal plates being provided with tapered pins, and the side rails of said back frame being provided with holes in which said tapered pins may be engaged to lock said splat assembly in position.

2,343,495
SEQUENCE VALVE
Rodney B. Campbell, North Hollywood, Calif., assignor to John Eley, Jr., Los Angeles, Calif.
Application September 30, 1941, Serial No. 413,074
6 Claims. (Cl. 137—139)



1. In a valve device, the combination of: a valve housing having an inlet port and a discharge port connected by a fluid pasage including a valve seat; a valve member movable between a position in which it is seated on said valve seat and an unseated position; valve operating means in said housing adapted to engage said valve member, said operating means being movable from a retracted position to an operating position in which it has moved said valve member to said unseated position; locking means carried by said valve operating means and adapted to normally engage said housing to restrain said valve operating means in said retracted position but releasable from said housing to permit said movement of said valve operating means to operating position, said locking means including a radially movable ball member; spring means engaging said valve operating means; actuating means engaging said spring means and movable to compress said spring means, said actuating means releasing said locking means when said spring means is compressed to permit said spring means to expand to move said valve operating means from said retracted position to said operating position; and auxiliary spring means engaging said valve operating means and operable to return said valve operating means from said operating position to said retracted position.

2,343,496
SINGLE STAGE FRUIT ORIENTING AND PITTING MACHINE
Ellsworth W. Carroll, San Carlos, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application June 6, 1941, Serial No. 396,809
10 Claims. (Cl. 209—72)

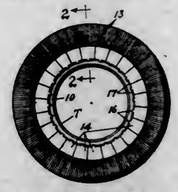


1. In a device for orienting indented fruit, a member having a horizontally extending substantially flat circular surface thereon, a fruit revolving member projecting a substantially fixed distance above said surface, means for moving said fruit revolving member relative to said surface, and a separate member having a substantially circular aperture therein, said member being positioned with the wall of said aperture coaxially extending above the level of said surface to retain fruit over said surface and said fruit revolving member.

2,343,497
UREA-FORMALDEHYDE COMPOSITION
Rex P. Cosgrove, Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application February 24, 1943, Serial No. 476,938
3 Claims. (Cl. 260—9)

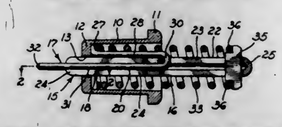
2. A thermosetting composition comprising a urea-formaldehyde reaction product, cellulosic material, and o-sulfamido methyl benzoate as a latent accelerator.

2,343,498
TIRE RECAP
Thomas A. Dunagan, Montrose, Calif.
Application April 21, 1942, Serial No. 439,911
2 Claims. (Cl. 152—177)



1. In a protective device for vehicle tires, annular members adapted to be applied on the sides of the tire inwardly spaced from the tread thereof, and a flexible member wound back and forth between and connected to said members to provide a plurality of closely spaced windings covering the tread and side wall portions of the tire as a protective cap therefor, a fabric wrapping interposed between said windings and the tire, and a bed of resilient adhesive material on said wrapping for adhering the windings and filling the spaces therebetween and leaving bared the outer surface of said windings.

2,343,499
TEMPORARY FASTENER
Russell W. Edwards, Arcadia, Calif.
Application February 23, 1943, Serial No. 476,818
3 Claims. (Cl. 85—5)

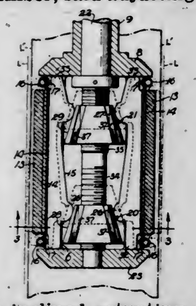


1. A device of the character described for use in rivet holes, comprising: a body having a wall with an aperture therein; a hollow plunger having a rearward longitudinal opening and a forward portion extending through said aperture, said plunger being spit longitudinally into sections at its outer end for radial expansion sufficient to prevent retraction of the plunger through said aperature; a spreader member having an end portion abutting the inner face of said wall, a portion longitudinally adjacent said plunger, a portion extending from said longitudinal portion through said longitudinal opening, and an end portion extending forward longitudinally within said plunger to spread said sections apart for radial expansion of the plunger in response to retraction of the plunger; and yielding means continuously urging said plunger toward retraction.

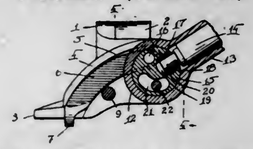
2,343,500
HONING APPARATUS
Walter M. Fairbairn and Sherman M. Burdick, Rockford, Ill., assignors to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application January 21, 1942, Serial No. 427,548
11 Claims. (Cl. 51—184.3)

1. A honing tool comprising, in combination, a rotatable body member, a plurality of elongated abrasive elements arranged in an annular series around said member, a holder for each abrasive element supported on and guided by said member for movement radially of the rotative axis of the member, adjusting means including members acting on opposite ends of said holders, and

means operative to produce a relative movement between said members and said holders so as to positively shift the holders outwardly with respect to the body member, said adjusting means including differently inclined actuating surfaces effective to impart a predetermined greater degree of movement to the ends of the holders adjacent one end of the tool than to the ends adjacent the other end of the tool.

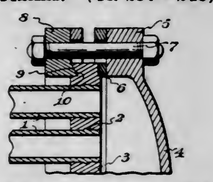


2,343,501
CHANNEL CUTTER ATTACHMENT FOR STITCHING MACHINES
John Ferrara, Rochester, N. Y.
Application January 10, 1941, Serial No. 373,953
6 Claims. (Cl. 112—45)



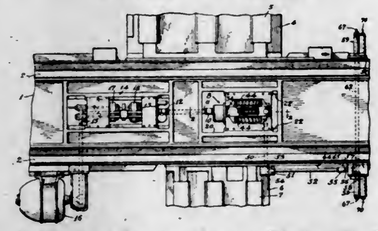
1. In a channel cutting attachment for stitching machines the combination of a presser foot, a wall member adjacent said presser foot, a cylindrical housing rotatably adjustable on said wall member, a rocker mounted to oscillate in said housing, crank means engaging said rocker for oscillation in said housing, and a cutter operatively connected with said rocker for reciprocation thereby adjacent to said presser foot.

2,343,502
FOLLOWER RING FOR HEAT EXCHANGER DOME PLATES
David E. Fields, Tulsa, Okla.
Application October 12, 1942, Serial No. 461,773
2 Claims. (Cl. 257—248)



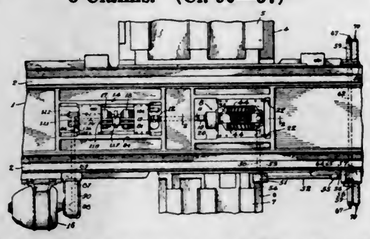
1. The combination with a heat exchanger tube sheet, a dome to one side of said sheet and of greater diameter than the tube sheet, a bolt receiving ring on the other side of the tube sheet and of greater diameter than the tube sheet, securing bolts extending through said ring and said dome spaced outwardly from the tube sheet, of a spacer device surrounding the tube sheet and interposed between the ring and dome for maintaining said ring and dome in substantial parallelism as the securing bolts are tightened, said spacer device comprising spaced rings one of said rings engaging the first mentioned ring, the other ring of the spacer device engaging the dome, bolts connecting the rings of the spacer device and having right and left handed threaded connection therewith.

2,343,503
TABLE DRIVE FOR MACHINE TOOLS
Keith F. Gallimore, Fond du Lac, Wis., and George Langen, Cincinnati, Ohio, assignors of one-half to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application February 11, 1942, Serial No. 430,376
13 Claims. (Cl. 90—37)



4. A drive mechanism for a table longitudinally translatable on a horizontal elongated bed comprising, in combination, a housing mounted in said bed, a worm wheel journaled in said housing for rotation on an axis extending transversely of said bed, a worm of hourglass shape journaled in said housing and meshing with said worm wheel, said worm being in substantially full tooth engagement with said worm wheel throughout a major portion of its length to afford a durable and powerful drive connection, a longitudinal gear rack rigid with the underside of said table, a gear connected coaxially for rotation with said worm wheel and meshing with said gear rack, and power means for rotating said worm.

2,343,504
TABLE DRIVE FOR MACHINE TOOLS
Keith F. Gallimore, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application February 11, 1942, Serial No. 430,377
8 Claims. (Cl. 90—37)



2. A drive mechanism for a table reciprocable on a bed comprising, in combination, a feed unit mounted in said bed and having a drive connection with said table, means for driving said feed unit, said feed unit including a rapid traverse drive including a rapid traverse clutch and a selective feed drive including a feed clutch and a series of multiple speed gear mechanisms with shiftable gear elements, said clutches having a common actuator movable through neutral in opposite directions to alternately engage and disengage said clutches, a shifter rod connected to said actuator, a lever pivoted intermediate its

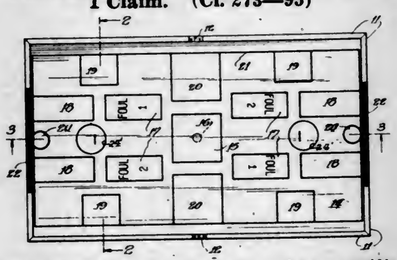
ends to said shifter rod, two hydraulic piston and cylinder actuators mounted in parallel relation on said unit and having piston rods pivotally connected respectively to opposite ends of said lever, control means for supplying pressure fluid selectively to opposite ends of said hydraulic actuators whereby to locate the pistons thereof in phase at the same ends of said actuators to engage one or the other of said clutches, or out of phase in opposed ends of said actuators to disengage both of said clutches, a plurality of parallel hydraulic piston and cylinder actuators mounted on said feed unit and connected respectively to said gear elements, and control means for supplying pressure fluid selectively to opposite ends of said last mentioned actuators whereby to shift said gear elements to obtain different selective feed adjustments.

2,343,505
CHAIR
Stanley J. Gedris, Grand Rapids, Mich.
Original application November 30, 1940, Serial No. 367,903. Divided and this application October 25, 1941, Serial No. 416,477
6 Claims. (Cl. 155—184)



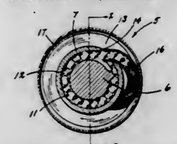
1. In a chair structure of the class described, a pair of horizontally spaced vertically disposed chair supporting standards, a chair back supported by said standards and comprising a back plate provided with a continuous flange at the top and sides thereof extending rearwardly and then curled outwardly, forwardly and inwardly to form a pocket, a plurality of clips each having a portion secured to the back plate and a springable portion extending into said pocket and normally pressing forwardly-upwardly toward the inwardly curled portion of said flange, padding over the back plate, an upholstery sheet covering the padding, a rod secured within a continuous hem at the top and side margins of the upholstery sheet, said rod and the hem of the upholstery sheet being inserted within the pocket in the back plate, the springable portions of said clips yielding to permit the insertion of the rod and the hem of the upholstery sheet into the pocket and springing forwardly-upwardly to retain the rod and the hem of the upholstery sheet within the pocket after such insertion.

2,343,506
GAME
Howard M. Hay, Chicago, Ill.
Application April 3, 1942, Serial No. 437,606
1 Claim. (Cl. 273—95)



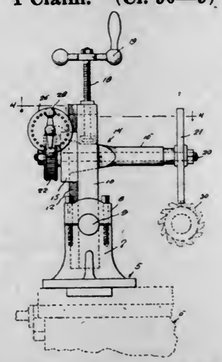
In a game board, a base member constituting a playing field, said member comprising a sheet of relatively stiff material, a resilient pad covering the upper surface of said relatively stiff sheet, and a smooth flexible cloth stretched tightly over and covering the upper surface of said pad and cooperating therewith to provide a resilient game playing surface.

2,343,507
ANTIFRICTION SCREW DEVICE
Henry S. Hoffar, West Vancouver, British Columbia, Canada, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1943, Serial No. 475,397
7 Claims. (Cl. 74—459)



1. An antifriction screw device of the character described comprising, a screw member formed with a groove, a cooperating member encircling said screw member and having a groove complemental to said screw member groove and movable axially relative thereto, a plurality of balls interengaged between said members in the grooves thereof for transmitting force from one to the other, and flexible means defining with said screw member and cooperating member an orbit guiding said balls for recirculation between said members.

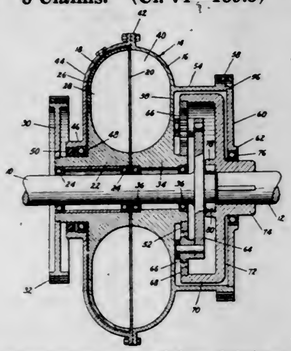
2,343,508
GEAR CUTTER
Robert A. Hoorn, Minneapolis, Minn.
Application June 23, 1942, Serial No. 448,143
1 Claim. (Cl. 90—9)



In a gear cutter, an elongated frame having a slot extending endwise thereof and substantially the full length of said frame, trunnions formed on opposite sides of the frame and located closer to one end of the frame than the other end of said frame, guides formed on one face of the frame and arranged at opposite sides of the slot and extending the full length of said frame, a plate having a groove slidably receiving the guides, a journal integral with the plate and extending through the slot, a blank carrying shaft supported by the journal, a worm gear secured to the shaft, spaced bearings on said plate, an operating shaft supported by the bearings, a worm secured to said operating shaft and meshing with the worm gear, an index plate formed on one of said bearings and having the

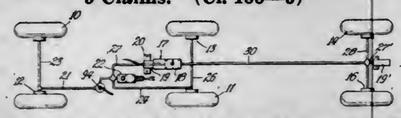
operating shaft extending axially therethrough and including a series of openings arranged annularly of the index plate, a handle secured to the operating shaft and movable over a face of the index plate and including a detent to enter any one of said openings, means for adjusting the first-named plate endwise of the frame, a base mountable on a lathe and including a bifurcated portion receiving the frame for pivotal movement therethrough, and cap type bearings on said bifurcated portion of the frame and frictionally receiving the trunnions whereby the frame may be adjusted to vary the angle of a gear blank on the gear blank shaft relative to a cutter of the lathe.

2,343,509
TRANSMISSION
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1941, Serial No. 395,668
8 Claims. (Cl. 74—189.5)



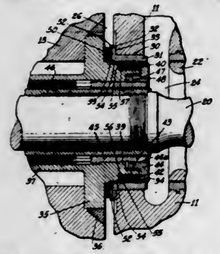
1. A transmission comprising driving and driven shafts, a one-way drive connected between the shafts, means providing for increased ratio of speed connecting the shafts, means providing yielding resistance to one member of the increased ratio of speed means, and means for holding the member against movement.

2,343,510
BRAKE MECHANISM
Hans F. Kolb, Chicago, Ill.
Application March 24, 1941, Serial No. 384,815
5 Claims. (Cl. 188—3)



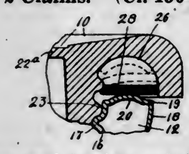
1. In a train combination including a pulling unit and a following unit for coupling together, and each of said units having a brake system thereon, a female member on the following unit including a housing with a cavity therein, piston means in said cavity, a male member on said pulling unit including a body portion with a lateral extension thereon, said lateral extension having a longitudinal cavity therein, other piston means in said longitudinal cavity operatively connected with the brake system on said pulling unit and adapted to be driven upon actuation of said pulling-unit-brake system, with said lateral extension fitting into the cavity in said female member for coupling thereto, and with said other piston means being in operative connection with said first piston means upon the coupling of said male and said female member so that said following-unit-brake system is actuated on actuation of said pulling-unit-brake system, and manually operated means operatively connected with said other piston means to provide for an actuation of said following-unit-brake system independently of said pulling-unit-brake system.

2,343,511
DOUBLE CASING PUMP
Valenteen S. Lobanoff, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application June 13, 1941, Serial No. 397,837
3 Claims. (Cl. 103—111)



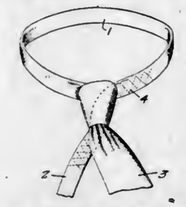
1. In a double-casing pump of the type comprising an outer pressure casing and an inner pump casing spaced therefrom and defining therewith a pressure chamber, and in which changes in temperature and/or pressure cause substantial relative axial movement between an end wall of the inner casing and the adjacent end wall of the outer casing, the combination therewith of means providing a fluid-tight seal between said end walls in all relative axial positions thereof, said means comprising: an opening extending through one of said walls, an annular bushing member fitting said opening and having a central bore, means forming a fluid-tight seal between said bushing member and said wall opening, a sleeve member projecting from the other of said walls and into said bushing bore and defining with the latter a packing receiving recess, a plurality of packing elements of the pressure-expansible type positioned in said recess in position to be expanded by the pressure of the pump liquid in said pressure chamber, a packing follower adjustably connected to said sleeve member and engaging an end one of said packing elements for mechanically applying pressure in an axial direction to said packing elements to positively expand the latter into fluid-tight engagement with the opposed walls of said packing recess and said bushing bore, the wall of said bushing bore engaged by said packing elements being polished to a high degree of smoothness.

2,343,512
ICE BAG AND CLOSURE THEREFOR
Frederick Lobl, Middleboro, Mass.
Application March 17, 1942, Serial No. 434,999
2 Claims. (Cl. 150—8)



1. A closure seal for two rotatably interengaging members comprising a convex annular abutment on one of said members facing the other member, and an annular groove in said other member open toward said annular abutment and deeper and radially wider than the depth and width of said abutment and adapted to receive said abutment therein, and a normally flat ring of resilient material materially thinner than the depth of the groove and having radial extent approximately equal to the radial width of said groove fitting within the entrance of said groove above the bottom thereof and movably bridging said groove from side wall to side wall thereof and having its inner and outer edges only seated on the inner and outer side walls of the groove and positioned in the path of movement of said abutment, the groove walls being convergent toward the mid part of the groove and being smoothly continuous at least in substantial part to the bottom of the groove so that a seated edge of the ring is free to slide along the wall with increasing transverse flexure thereof when the ring is forcibly engaged by said abutment, and means interengaging said members being arranged upon relative rotation of the members to gradually draw the members together to force the top of said abutment against the mid part of said ring and to flex said ring about its inner and outer edges into the groove with decreasing radial width of the ring and increasing resistance to flexure, said resilient ring simultaneously maintaining sealing pressure between said abutment and spaced apart surface portions of said groove by reason of the flexed condition of said resilient ring, the relative dimensions of said groove, ring and abutment being such that the ring is pushed bodily deeper and deeper into the groove with increased flexure of the ring and is free of pinching against the side walls of the groove.

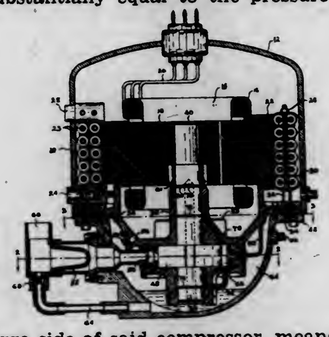
2,343,513
NONSLIP TIE
Adolph F. Lonk, Palatine, Ill.
Application December 5, 1941, Serial No. 421,797
1 Claim. (Cl. 2—146)



A necktie comprising an elongated body of soft material adapted to be tied in a knot, and a multiplicity of diagonally disposed lines of stitching crossing one another in crisscross arrangement for a substantial length of the body at the knot receiving portion so as to form grooves therein and provide roughened surfaces at both sides of the body, said diagonal lines of stitching extending from one longitudinal edge of the body to the other.

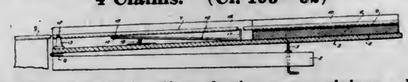
2,343,514
REFRIGERATING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 14, 1941, Serial No. 383,381
14 Claims. (Cl. 62—115)

1. In a reverse cycle refrigeration system in which refrigerant may flow in either of two directions, a first heat exchange unit, a second heat exchange unit, refrigerant compressing mechanism, refrigerant flow connections between said heat exchange units and said compressing mechanism, means forming a lubricant sump from which lubricant is supplied to said compressing mechanism, means for so driving the compressing mechanism as to cause flow of refrigerant in either direction through said system, means for maintaining lubricant in said sump at a pressure substantially equal to the pressure at the



discharge side of said compressor, means for restricting the flow of refrigerant from one of said heat exchange units to the other of said heat exchange units, means for flowing air to be conditioned over one of said heat exchange units, means for flowing an extraneous medium in thermal exchange with refrigerant in the other of said heat exchange units and means responsive to the pressure within said lubricant sump controlling the flow of said extraneous medium.

2,343,515
ARTICLE FEEDING DEVICE
Irvin McLellan Anderson, Kemptville, Ontario, Canada
Application June 24, 1943, Serial No. 492,047
4 Claims. (Cl. 193—32)

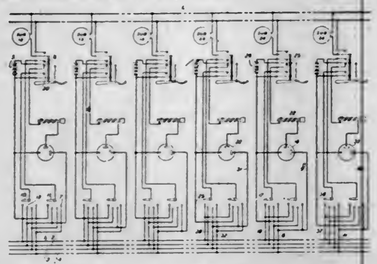


1. An article feeding device comprising a base, a fixed runway mounted on the base, a track in alignment with and having a free end adjacent the end of the runway, means on the base for pivotally supporting the other end of the track, a bar positioned between the base and track and having one end pivoted to the track, an article engaging finger carried by the other end of the bar and adapted to project between the adjacent ends of said runway and track, and a post mounted on the base and engaging said bar between the ends thereof, said post and bar forming a support for said free end of the track to normally maintain it in substantially opposing relation to the adjacent end of the runway, said free end being depressible under the weight of an article placed thereon, the finger-carrying end of said bar being upwardly movable in response to depression of said free end of the track.

2,343,516
SIGNALING SYSTEM
George E. Atkins, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1942, Serial No. 469,788
8 Claims. (Cl. 179—28)

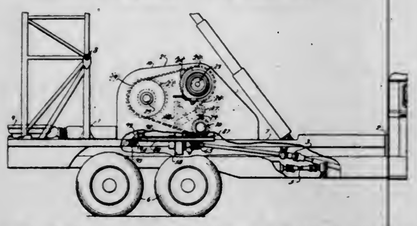
1. The combination in a signaling system of a plurality of stations, a plurality of signal conduc-

tors fewer in number than the number of stations, a signaling channel for each station comprising a different two-wire combination of said signal conductors, certain of said two-wire combinations including a common one of said signal



conductors, a normally open-circuited signaling device terminating each of said signaling channels, a source of signaling voltage at each of said stations, and means at each of said stations for selectively connecting its respective source of signaling voltage to said signaling channels.

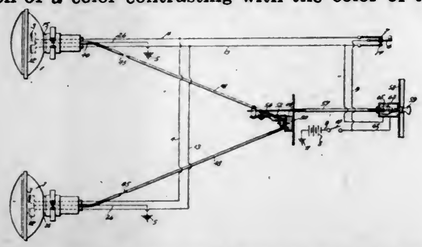
2,343,517
DRILLING RIG
Emmett Lee Alexander and Albert W. Braithwaite, Enid, Okla., assignors to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma
Application February 28, 1941, Serial No. 381,057
5 Claims. (Cl. 255—19)



1. A drilling rig including, a vehicle having a power unit, a rotary table supported at the rear of the vehicle for rotating a drilling string, a draw-works carried on the vehicle between the rotary table and the power unit of said vehicle, a shaft having connection with the rotary table and extending longitudinally of the vehicle below the draw-works, a line shaft extending transversely of the vehicle, means connecting the line shaft with the draw-works, a driving connection between the rotary table shaft and the line shaft including a clutch, a drive shaft extending longitudinally of the vehicle below the line shaft and the rotary table shaft, means connecting the drive shaft with the power unit, and means connecting the drive shaft with said driving connection at a point between the clutch and line shaft whereby power of said unit is applied intermediate the rotary table and the draw-works.

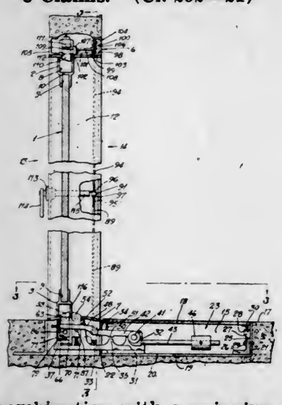
2,343,518
ELECTRIC LIGHTING DEVICE
Paul Baker, Redondo Beach, Calif., assignor of one-fifth to John D. Rippey, St. Louis, Mo.
Application September 15, 1941, Serial No. 410,832
6 Claims. (Cl. 240—45)

1. A lighting device comprising a lamp including both a high beam filament and a low beam filament, a reflector for projecting beams of light emanating from said lamp, circuit wires in electrical communication with said filaments respectively, a switch device in connection with said wires and settable to control electrical energization of either of said filaments as desired while the other filament remains unenergized, a cylinder of translucent material supported for movements longitudinally of its axis into and from within said reflector and having a filtering portion of a color contrasting with the color of the



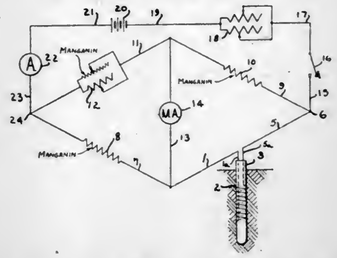
light emanating from said lamp, an actuator, and mechanism operable by said actuator for simultaneously controlling electrical energization of said low beam filament irrespective of the position of said switch device and for moving said cylinder longitudinally of its axis to a position within said reflector in which said filtering portion encloses the outer portion of said lamp and is between said lamp and said reflector while said high beam filament remains energized through said switch device.

2,343,519
EMERGENCY EXIT DOOR LOCK
Clifford A. Balch, Los Angeles, Calif.
Application April 14, 1942, Serial No. 438,886
5 Claims. (Cl. 292—21)



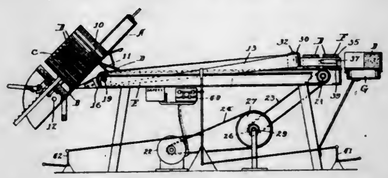
1. The combination with a swinging door, of a well member at one side of said door, a platform overlying said well member, means for fulcruming the platform at one end thereof, the opposite end being free to move; a lever, means for mounting the same within said well member and beneath the platform, the free end of said platform engaging said lever, means normally tending to rotate said lever and lift the free end of said platform, a bolt engageable with said door and with said lever, and a hook latch provided with a cam normally positioned beneath said bolt to hold said bolt in door engagement, the said lever engageable with said cam to move said hook lever from beneath said bolt when said platform is depressed, whereby the bolt may be moved from door engagement.

2,343,520
METHOD OF MEASURING MOISTURE
Leonard D. Baver and Byron T. Shaw, Columbus, Ohio, assignors to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Application June 12, 1940, Serial No. 340,170
2 Claims. (Cl. 73—51)



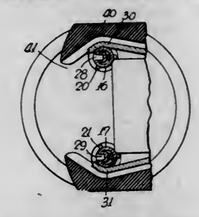
1. The method of determining moisture content of a substantial body or area of material, comprising inserting into the material at selective representative points similar resistance units each having terminals exposed for the connection of an indicating instrument, permitting the coils to obtain temperature equilibrium with said material, then successively passing current through each of said coils and so choosing the size of the current and the time interval in which said current is applied that the amount of moisture movement away from each coil is negligible, and correlating the readings afforded by the several coils that the moisture contents which said readings signify as an index of the average moisture content of the material.

2,343,521
FEEDER
Wilbert Orville Benning, Los Angeles, Calif., assignor to Pacific Clay Products Company, a corporation of California
Application April 19, 1941, Serial No. 389,264
2 Claims. (Cl. 198—33)



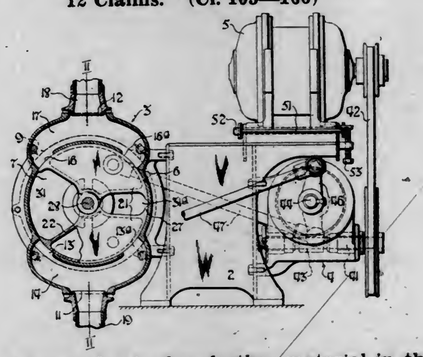
1. Means for feeding articles in pairs and folding the members of each pair with their finished faces together, comprising, a median conveyor belt and a pair of substantially parallel outside conveyor belts between which the median belt is situated with upper conveyor runs of all of said belts in substantially a horizontal plane at their receiving ends, means for delivering pairs of articles in horizontal position upon the receiving ends of said outside belts with their finished faces upward and the inner edges resting upon said median conveyor belt, means for driving said belts with their upper adjacent runs moving forwardly, the upper runs of said outside belts being gradually twisted laterally from horizontal into upwardly extending position approaching the delivery ends of said belts whereby the members of each pair of articles placed horizontally on the receiving ends of said belts with their inward edges adjacent to the surface of said median belt are bodily tilted upwardly into upright position with their finished faces folded together and said inward edges supported upon the surface of said median belt, and a receiver to which the pairs of articles while in upright folded position and facing together are delivered by said belts.

2,343,522
PIN CONNECTION
Sidney David Bergman, Brooklyn, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application October 23, 1943, Serial No. 507,468
7 Claims. (Cl. 250—27.5)



1. In combination a pin connection; a tube base having an extending-conductor; and a receiving socket having a contact spring therefor; said pin connection having a central bore, with the conductor inserted therein, and a shoulder positioned thereon, in engagement with the tube base, and an indentation on the outside of the pin connection depressing the metal of the pin connection into the bore and compressing the conductor therein against the wall thereof, said indentation being located on a surface of the pin connection not in contact with the contact spring of the receiving socket.

2,343,523
FOOD OR LIKE PUMP
David William Bingham, Middle Brighton, Victoria, Australia
Application November 14, 1942, Serial No. 465,622
In Australia December 18, 1941
12 Claims. (Cl. 103—166)



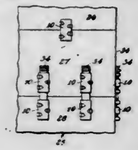
1. A pump for food and other material in the form of liquid containing solids, comprising in combination, a main casing having a pump chamber of circular formation, valveless inlet and outlet ports communicating with said chamber, a pair of coaxial independently movable arcuate jaws disposed in said chamber with opposing faces of said jaws enclosing material containing spaces in said chamber, and driving mechanism for oscillating said jaws about their

common axis relatively to said inlet and outlet ports and for simultaneously effecting relative circumferential movement therebetween to vary the volume of said material containing spaces, the said relative movement and the said oscillation being so coordinated that when one of said spaces is being enlarged for filling at an inlet port, the other space is being contracted for discharging its contents at an outlet port, said arcuate jaws being arranged to open and close the inlet and outlet openings in proper sequence.

2,343,524
PROCESS OF PREPARING MORPHOLINE SULPHIDES
Edward S. Blake, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 17, 1940, Serial No. 319,480
5 Claims. (Cl. 260—247)

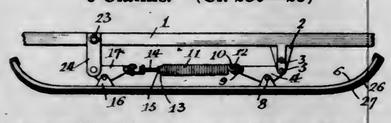
1. A morpholine sulphide wherein the heterocyclic nitrogen atoms of two molecules of a morpholine are joined through at least one intervening sulphur atom.

2,343,525
CLAMPING SOCKET ATTACHMENT
Clarence M. Blodgett, New York, N. Y.
Application May 18, 1942, Serial No. 443,415
4 Claims. (Cl. 217—70)



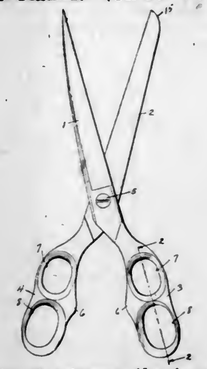
1. A holding means for containers of penetrable material comprising a socket having penetrating prongs for attachment to a lowermost container, a second socket substantially like the first socket for attachment to an upper container in alignment with the first socket, the socket of the upper container having in its upper portion a slot, and a joining member for said sockets, said member having integral spring constructed legs including a lower portion for entering the lower socket, one leg having above the upper socket a manipulating flange, and a second leg of said member having a flange slightly below the first flange, whereby the second flange may holdingly snap into said slot.

2,343,526
SKI SUSPENSION
Joseph Armand Bombardier, Valcourt, Quebec, Canada
Application July 10, 1943, Serial No. 494,145
6 Claims. (Cl. 280—25)



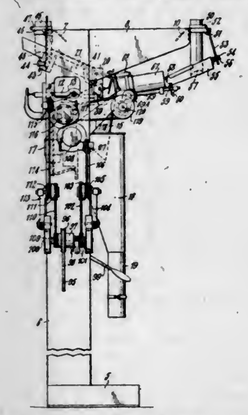
1. In combination with a vehicle body, a runner beneath said body, a pair of levers having an intermediate pivotal point attached to said runner and spaced lengthwise of the runner, a spring joining the inner ends of said levers, and means pivotally connecting the outer ends of said levers to said body.

2,343,527
SCISSORS
Eugene G. Boyle, San Francisco, Calif.
Application July 19, 1943, Serial No. 495,291
5 Claims. (Cl. 30—254)



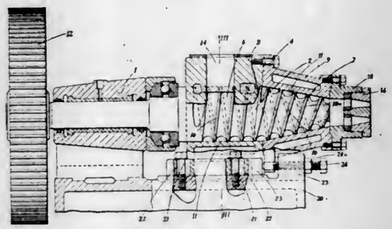
1. In a pair of scissors, the improvement that comprises; a pair of openings formed in each handle, the said openings in either handle being adapted to receive therein the index finger and the middle finger respectively, of one hand of an operator when the pair of scissors is held in scissors actuating position in said hand, and one of the said openings in either pair thereof being adapted to receive the thumb of such hand therein when the pair of scissors is in said position and the thumb is in said one of said openings in one handle and the index finger and middle finger of the same hand are in the openings in the other handle.

2,343,528
WEIGHING APPARATUS
Howland F. Briggs, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application April 11, 1942, Serial No. 438,526
7 Claims. (Cl. 249—15)



1. In an automatic weighing machine having a scale bucket supported by a balance arm and arranged for descent on the positioning of a predetermined quantity of material in said scale bucket; the combination of bulk feeding means for supplying material to said bucket at a relatively rapid rate; means operable by initial reaction of said bucket for stopping said bulk feeding means; and a dribble feed mechanism including a discharge orifice through which material is discharged by static pressure; a gravity feed chute to which material from said discharge orifice is introduced; a rotatable feeding tube to which material is conducted by said gravity feed chute; means for supporting said tube in a longitudinally inclined position and means for driving said rotatable tube whereby to feed material through said tube at a rate so proportioned to the rate of flow of material from said gravity feed chute as to accelerate the particles of said material and consolidate them into a relatively more rapidly moving stream of substantially perfectly uniform cross-section and density; a gate adjacent the discharge end of said feeding tube and adapted selectively to be moved from a position for closing the discharge end of said feeding tube and to a position permitting discharge of said stream from said tube into said bucket to bring the weight of material in said bucket to a predetermined amount; and means operative thereupon to close said gate and stop rotation of said rotatable feeding tube, the material then remaining in freely falling condition from said rotatable tube to said bucket comprising a definite portion of said stream of substantially perfectly uniform cross-section and density.

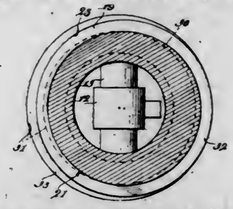
2,343,529
MACHINE FOR EXTRUDING RUBBER AND THE LIKE
Frederick Edward Brown, Hyde, England
Application July 18, 1941, Serial No. 403,041
In Great Britain November 9, 1939
8 Claims. (Cl. 18—12)



1. An extruding machine for rubber and like material comprising a casing and a feed scroll within and coacting with said casing said feed scroll having at least one more thread along a part of its length adjacent its delivery end than along the remainder of its length, the volumetric capacity of the scroll being substantially the same at all points along its length, and said casing having an open end at the delivery end of the scroll said open end constituting the sole outlet for extruded material.

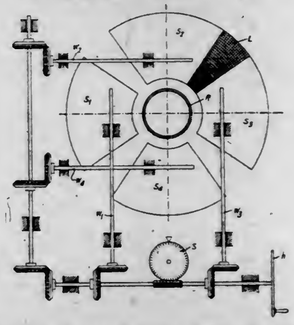
2,343,530
PISTON
Zeno Arno Bruegger, Boise, Idaho
Application August 25, 1942, Serial No. 456,055
17 Claims. (Cl. 309—5)

10. The combination with a cylinder, of a piston movable in said cylinder and provided with a plurality of spaced lands at the crown portion thereof, the uppermost land having the periphery thereof spaced from the side walls of the cylinder, other lands being disposed eccentrically with respect to the longitudinal axis of the piston skirt, the eccentric lands contacting at points with the cylinder, the piston skirt having a longitudinal slot diametrically opposite the



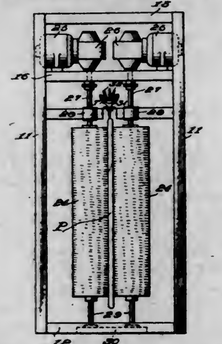
cylinder-contacting portions of the lands, terminating in a horizontal slot at its upper end.

2,343,531
DIRECTIVE RADIATOR
Herbert Buchholz, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application April 8, 1941, Serial No. 387,512
In Germany January 1, 1940
7 Claims. (Cl. 250—11)



1. A funnel arrangement adapted to be associated with a dielectric wave guide including a plurality of separate wall sectors arranged with their small ends around the end of said guide and means for varying the angle included between opposing ones of said sectors whereby the directivity of said arrangement is altered.

2,343,532
SCRUBBING OR CLEANING MACHINE
Milford A. Buckley, Olean, N. Y., assignor to Carley Heater Company, Inc., Olean, N. Y., a corporation of New York
Application July 4, 1942, Serial No. 449,737
2 Claims. (Cl. 15—77)



1. In a machine for cleaning plates, a frame,

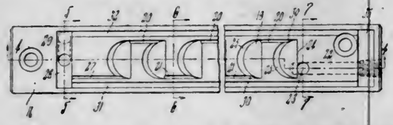
a track supported by the frame for supporting and conveying vertically disposed plates therethrough, a pair of vertically disposed rotatable brushes supported by the frame at each side of the track with the brushes of one pair closely adjacent the brushes of the other pair for operative engagement with opposed sides of the plates, a driving motor individual to each of the brushes supported by the frame above the track, and a reduction gear set supported by the frame and interposed between each brush and its individual motor, the motors being operatively connected with the brushes through the respective reduction gear sets for rotating all of the brushes in the same direction.

2,343,533

SLIDEWAY LUBRICATION

Clarence W. Burnham, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application March 16, 1942, Serial No. 434,815
13 Claims. (Cl. 308—5)



1. In a machine having a sliding part, a guide or slideway having a supporting upper surface on which an under surface of said sliding part bears and by which the sliding part is supported, said slideway having pockets in its said supporting surface arranged in linear series, and having a channel for fluid lubricant leading to the first pocket of the series and other channels in its supporting surface leading in series from pocket to pocket; said pockets being adapted to contain pools of the lubricant in contact with the overlying surface of the sliding member and to be continuously replenished by lubricant flow-through said channels.

2,343,534

PREPARATION OF ADIPIC ACID

Robert M. Cavanaugh and Wesley M. Nagle, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 30, 1940, Serial No. 348,368
3 Claims. (Cl. 260—533)

1. A method for simultaneous oxidation and nitration of cyclo-paraffin hydrocarbons and their alkyl derivatives, which process comprises reacting said materials and nitric acid at a temperature between 100° and 200° C. and at a controlled pressure between 2 and 10 atmospheres while maintaining the nitric acid concentration between 45% and 75% HNO_3.

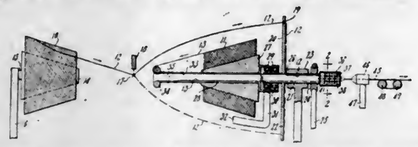
2,343,535

MECHANISM FOR TWISTING TOGETHER A PLURALITY OF STRANDS

Robert J. Clarkson, Hogansville, Ga., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 9, 1943, Serial No. 490,172
7 Claims. (Cl. 57—58)

1. Mechanism for twisting together a plurality of strands so as to form a plied construction without changing appreciably the twist of the individual strands about their respective axes, comprising a first let-off package and a second let-off package, a revolving spindle operable to rotate a balloon of the strand from the first package about the second package and twist the strands together into said plied construction, means for



pulling the strands forward, and tension means actuated by the tension of one strand to vary the tension of the other strand so as to equalize the tension upon the two strands.

2,343,536

PURIFICATION OF MALEIC ANHYDRIDE

Joyce H. Crowell, Orchard Park, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application June 6, 1941, Serial No. 396,869
15 Claims. (Cl. 260—342.6)

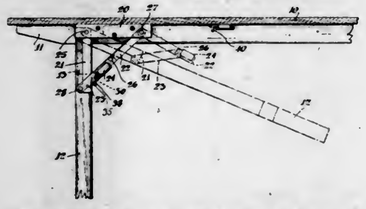
1. In the hot-aging treatment of maleic anhydride wherein a crude molten mass of maleic anhydride containing chromogenic impurities is maintained at a temperature above the melting point of maleic anhydride for a period of time long enough to convert chromogenic impurities to by-products whose vapor pressures are substantially different from the vapor pressure of maleic anhydride and thereafter a refined maleic anhydride of a lower color number as compared with the color number of said crude maleic anhydride prior to the hot-aging treatment is separated from said by-products by fractionation, that improvement which comprises having present in the molten maleic anhydride while it is subjected to said hot-aging treatment a compound of the group consisting of the oxy acids and oxy acid anhydrides of phosphorus, arsenic and antimony in a limited amount which is less than 30% of the crude maleic anhydride.

2,343,537

FOLDING TABLE

William P. De Saussure, Englewood, N. J., assignor to William P. De Saussure and James P. De Saussure, copartners doing business as De Saussure Equipment Company, West New York, N. J.

Application July 15, 1942, Serial No. 450,969
5 Claims. (Cl. 311—84)



1. The combination in a folding table, of a table top, a pair of legs with a connecting cross-piece hingedly attached to the table top, two pairs of toggle links the lower link of each pair being connected to one of the legs and the upper link to the table top, a cross-bar extending between the toggle links rigidly secured to the extended lower end of the upper link of each pair, and means for locking said cross bar to said cross-piece when the legs are in extended position.

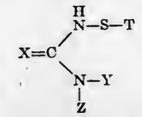
2,343,538

THIAZYL SULPHAMINE DERIVATIVE

William H. Ebelke, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 23, 1940, Serial No. 366,885
6 Claims. (Cl. 260—302)

1. An N-carbamyl thiazyl sulphamine having the formula



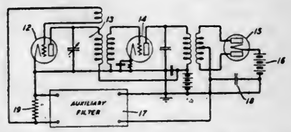
wherein X is a radical of the group consisting of sulphur and oxygen; T is a 1-thiazyl radical; Y and Z are radicals of the group consisting of hydrogen, alkyl, alkenyl, aralkyl, aryl, and alkylene radicals of a heterocyclic group with the N.

2,343,539

STABILIZED OSCILLATOR

William A. Edson, Chicago, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 16, 1942, Serial No. 427,031
4 Claims. (Cl. 250—36)



1. A stable frequency, pure wave, oscillator comprising an amplifier device having input and output electrodes including a common electrode, a feedback path including a frequency determining means coupling the input and output circuits of said device, and an auxiliary feedback path, at least in part independent of said first-mentioned feedback path and likewise coupling the output and input circuits of the device, said auxiliary feedback path comprising means for deriving a portion of the output wave of said device and for electrically conditioning the resultant wave and impressing it as a bias pontential on the input electrodes of said device, said conditioning means comprising a filter network having a substantially linear and slow attenuation-frequency characteristic through substantially a given frequency range of threatened envelope potential and a substantially constant attenuation thence up to the characteristic frequency as determined by said frequency determining means so that the polar frequency envelope transmission diagram for the $\mu\beta$ path with respect to said envelope potentials over a substantial frequency range does not enclose the (1,0) point.

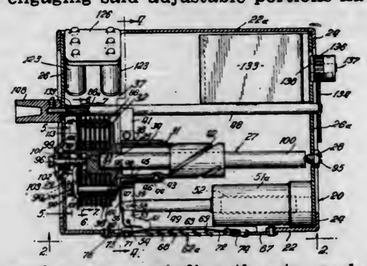
2,343,540

ELECTRIC CONTROL APPARATUS

Harold F. Elliott, Palo Alto, Calif.

Application July 21, 1941, Serial No. 403,450
18 Claims. (Cl. 250—20)

18. In tuning apparatus having a tuning circuit, the combination including a longitudinally movable tuning element, means for moving the same, and supplementary tuning means comprising a variable condenser, and means for varying the capacity of said condenser having a portion operatively connected with said moving means, a plurality of adjustable portions, a cam strip engaging said adjustable portions having a



cam surface corresponding thereto, and a cam follower operatively connected with said variable condenser.

2,343,541

ADDITION OF FLUOSILICATES TO LATEX

Roswell H. Ewart, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 12, 1940, Serial No. 369,745
9 Claims. (Cl. 260—723)

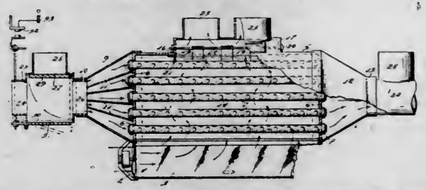
1. A method of reducing local coagulation of an alkaline latex on the addition of an alkali metal fluosilicate thereto which comprises mixing with an alkaline latex an alkali metal fluosilicate suspended in an aqueous medium containing an alkali metal fluoride in sufficient quantity to repress the hydrolysis of the fluosilicate ion.

2,343,542

HEAT EXTRACTOR

Benjamin R. Faunce, Riverside, N. J.

Application May 6, 1942, Serial No. 441,976
3 Claims. (Cl. 257—165)



1. In a heat extractor for connection in a pipe line leading from a heating system, a lower casing having its sides, bottom and one end closed and its top open, an upper casing on the lower casing having its ends, sides and top closed and its bottom in free communication with the open top of the lower casing, tubes extending through and sealed with the ends of the upper casing, a tapered hood connecting the intake end of the upper casing with an exit from a furnace, a tapered hood connecting the exit end of the upper casing with a pipe line leading to the chimney, and pipe connections for delivery of heated air from the upper casing.

2,343,543

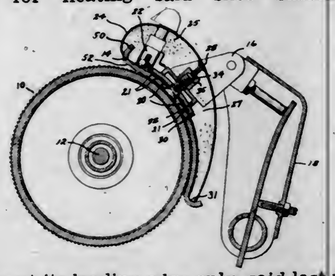
DOMESTIC APPLIANCE

Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application July 28, 1939, Serial No. 287,119
3 Claims. (Cl. 38—66)

1. In an ironing machine, a roll, an arcuate ironing shoe having a substantially unbroken heat

conducting face throughout its area and having its leading edge of substantially the same lateral extent as its trailing edge adapted to cooperate with said roll for ironing and pressing purposes, means for heating said shoe substantially



throughout its leading edge only, said last named means comprising a heating element disposed adjacent the leading edge of said shoe and constituting the sole means for heating said shoe, and means to insulate the trailing edge of said shoe from loss of heat.

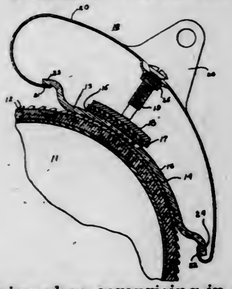
2,343,544

DOMESTIC APPLIANCE

Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application December 23, 1940, Serial No. 371,227

4 Claims. (Cl. 38—66)



1. An ironing shoe comprising in combination, a glass member having an arcuate ironing face on its front side, an electric resistance element disposed in contact with the back side of said glass member and adapted to heat said ironing face, a support for said glass member extending along the back side of said glass member, insulating means on the back side of said resistance element, screw means acting against said insulating means and threaded in said support for holding said resistance element in direct contact with said back side of said glass member, and said glass member forming the sole means for electrically insulating the front side of said resistance element.

2,343,545

COMBINATION ELECTRIC SWITCH AND INDICATING MECHANISM

George E. Ford, Warren W. Hastings, and William B. Connolly, Rochester, N. Y., assignors to Rochester Manufacturing Company, Rochester, N. Y., a corporation of New York

Application May 8, 1940, Serial No. 334,000

5 Claims. (Cl. 200—56)

2. In a combined indicating gauge and electric switch the combination of a housing, an actuating member movable in the bottom of said housing, a rocking shaft mounted substantially diagonally at the bottom of said housing, crank means intermediate the ends of said rocking shaft for contact with said actuating member, a crank arm at each end of said rocking shaft, a swinging pointer movable in said housing, a fixed contact member electrically insulated in said housing, means for operatively connecting



the crank arm at one end of said rocking shaft with said pointer, and contact means carried by the crank arm at the other end of said rocking shaft for movement into and out of contact with said fixed contact member so as to simultaneously cause the operation of said pointer and the movement of said contact means on the movement of said rocking shaft by said actuating member.

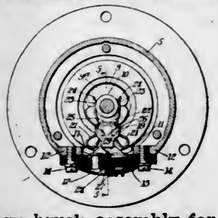
2,343,546

BRUSH ASSEMBLY FOR DYNAMOELECTRIC MACHINES

Harry B. Fuge, Elizabeth, N. J., and Leonard C. Pratt, Baldwin, N. Y., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application March 31, 1942, Serial No. 436,992

10 Claims. (Cl. 171—323)



1. A unitary brush assembly for rotating electrical apparatus, comprising a block of insulating material, current-conducting posts secured at one end thereto in fixed spaced-apart relation, spring wires formed into generally U-shaped brush elements having saddle-like mid-portions which straddle and are secured to the free ends of said post members and having depending side loop portions which terminate in parallel, opposed limb portions of cylindrical form.

2,343,547

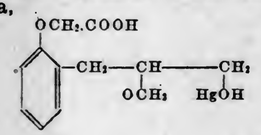
ORGANO-MERCURY COMPOUND

Samuel M. Gordon, Forest Hills, and Frank Kipnis, Brooklyn, N. Y., assignors to Endo Products, Inc., Richmond Hill, N. Y., a corporation of New York

No Drawing. Application May 9, 1941, Serial No. 392,666

1 Claim. (Cl. 260—434)

As a new compound, ortho(mercurihydroxymethoxy-propyl) phenoxy acetic acid, having the formula,



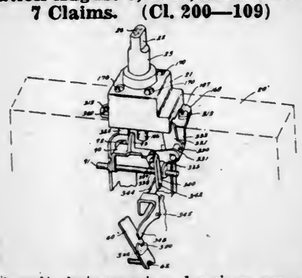
2,343,548

CIRCUIT BREAKER LOCKING DEVICE

Herbert C. Graves, Jr., West Chester, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 8, 1942, Serial No. 454,164

7 Claims. (Cl. 200—109)



1. A circuit interrupter having an operating arm and a tripping mechanism; a locking device engageable with said tripping mechanism in one position thereof; engageable with said tripping mechanism in a second position thereof; and disengageable from said tripping mechanism in a third position thereof; an additional locking member separate from said locking device and engageable with said operating arm; connecting link members between said locking device and said additional locking member; movement of said locking device resulting in movement of said additional locking member.

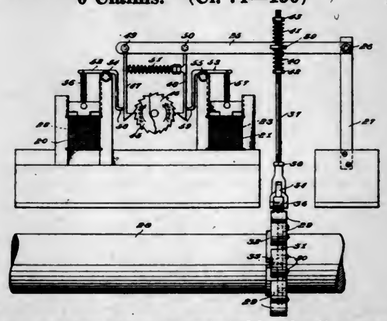
2,343,549

AUTOMATIC CONTROL MEANS FOR MAINTAINING CONSTANT LIQUID LEVELS

Esta C. Groghan, Clarksburg, W. Va., assignor to Rolland Glass Company, Clarksburg, W. Va., a corporation of West Virginia

Application June 23, 1941, Serial No. 399,411

6 Claims. (Cl. 74—150)



1. In combination, a rotatable shaft, a control shaft, and means for alternately rotating the control shaft in opposite directions from the rotatable shaft comprising a pair of ratchet wheels on the control shaft, one for rotating it in one direction and the other for rotating it in the opposite direction, a pair of pawls, one cooperating with each ratchet wheel, a spring normally holding the pawls out of operative engagement with the respective ratchet wheels, circumferentially arranged cam projections on the rotatable shaft, a pivotally supported arm having a follower for successive engagement by the cam projections for oscillating the arm, a pivotally supported arm to which the pawls are pivotally connected, means interconnecting said arms for vibrating the pawls, and means for alternately moving the vibrated pawls into driving engagement with the respective ratchet wheels.

2,343,550

CONTAINER AND PROCESS OF MAKING SAME

Donald E. Grove, West Los Angeles, Calif., assignor of one-sixth to Vincent C. Hickson, Los Angeles, Calif.

Application March 30, 1942, Serial No. 436,727

2 Claims. (Cl. 229—5.5)



1. A container of the character described, comprising a non-metallic body of laminated structure having a crimped in-set margin, a metallic container closure, said container closure having a flange adjacent its outer edge, the in-set end of the peripheral margin of said body being coated with a fluent sealing material, said in-set end of the peripheral margin of said body being compressed within a convolution of said flange to produce a double compressive distortion of said peripheral margin.

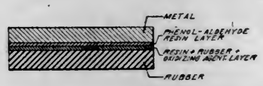
2,343,551

ADHESIVE COMPOSITION

Henry H. Harkins, North Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application July 2, 1938, Serial No. 217,228

5 Claims. (Cl. 260—3)



1. An adhesive composition comprising rubber, a soluble reactive phenol-aldehyde resin, and lead chromate in an organic solvent.

2,343,552

PHOTOFLASH DEVICE

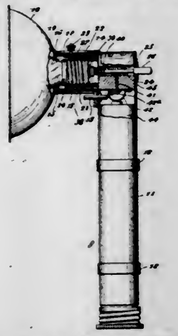
John C. Hollister and Winfield Wood, Denver, Colo.

Application September 22, 1941, Serial No. 411,930

3 Claims. (Cl. 67—31)

2. A flash lamp supporting assembly comprising a tubular supporting member, an electrical socket assembly mounted on the tubular member in axially parallel relation thereto, the said socket having resilient lamp base-engaging means arranged to receive and hold a lamp base thrust axially into it, a conductive ejector element arranged for engagement with the central terminal of a lamp held in the said socket assembly and mounted in the tube for movement parallel to its axis, an operating member projecting from the tube for manual actuation of the ejector element, an electrical terminal member mounted in the

tubular member and arranged for connection with a current source, and a contact member



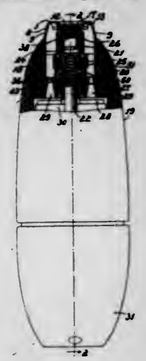
connected with the said terminal member and arranged to make wiping contact with the said ejector element.

2,343,553

HAIRCUTTING DEVICE

Alexandre Horowitz and Alexis van Dam, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application May 31, 1939, Serial No. 276,746
In Germany June 13, 1938
3 Claims. (Cl. 30—43)



2. In a dry-shaving device, a shear plate having a central recessed portion and an annular portion surrounding said central portion, said annular portion being provided with a plurality of slits distributed around the annular portion and all extending substantially radially, said slits extending through the side wall of said central recessed portion, and a rotatable cutter cooperating with said plate, said slits being widened at the side wall of said central portion to guide hairs into the slits.

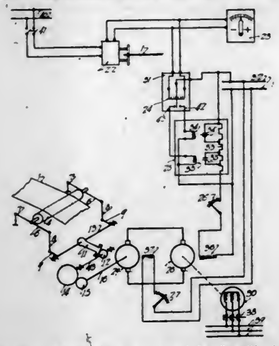
2,343,554

GAUGE CONTROL

Edwin B. Hudson and Ernest G. Schlup, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application April 5, 1938, Serial No. 200,155
5 Claims. (Cl. 80—35)

1. In a mill for rolling strip, a gauging device on the exit side of said mill, a roller mounted in a position to bear against said strip on the entering side, a shaft, operative connections from said shaft to the mounting of said roller whereby a torque on said shaft causes said roller to be urged against said strip, and electrical



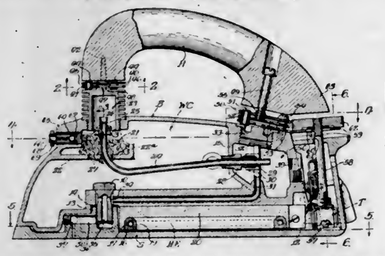
means acting directly on said shaft to vary the torque thereon in accordance with variations in the gauge being produced by said mill as determined by said gauging device.

2,343,555

STEAM GENERATING SADIRON

Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application March 5, 1941, Serial No. 381,871
3 Claims. (Cl. 38—77)



2. In a steam generating said iron of the character disclosed, a sole plate, a hollow body superposed thereon, water and steam chambers within the front and rear respectively of said body, a partition between said chambers, a steam dome for said water chamber, a trap plate therebelow having an enlarged opening therethrough a steam tube extending through said opening and having an intake end located in said steam dome and an outlet end mounted in said partition, loose water trapping material on said trap plate surrounding the intake end of said steam tube and spanning the distance between said trap plate and said steam dome a second steam tube having an intake end terminating in said steam chamber adjacent the top thereof, steam emission openings in said sole plate communicating with the other end of said second steam tube, and a heating element between the bottom wall of said body and said sole plate.

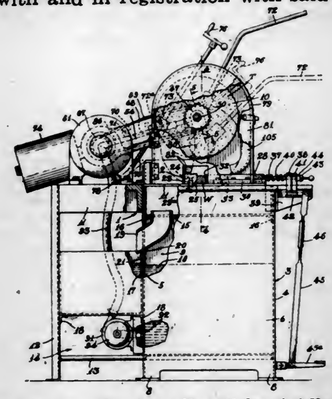
2,343,556

SEVERING MACHINE

Arthur J. Jacobsen, Oak Park, Ill.

Application January 29, 1942, Serial No. 428,677
21 Claims. (Cl. 51—98)

1. A material serving machine comprising, in combination, a base, a work support on said base and having a narrow cutting slot, a fence on said support extending generally transversely of said slot and defining a recess in registration with said slot, means for clamping the workpiece against said fence in position across said recess, a rotary spindle mounted on said base for oscillatory movement about a fixed axis toward and from said support, a thin abrasive disk fixed on one end of said spindle for swinging movement therewith and in registration with said slot and



recess, two circular impeller disks rigidly mounted on said spindle in direct abutment against opposite sides of said abrasive disk, each of said impeller disks having a plurality of uniformly peripherally spaced passages opening outwardly and having a marginal flange slightly spaced from said cutting disk and defining an annular groove in communication with said passages and opening peripherally at said abrasive disk to discharge a continuous sheet of coolant, and means for supplying coolant under pressure to said passages.

2,343,557

SAWHORSE

Erik H. Johnson, Portland, Oreg.

Application February 27, 1943, Serial No. 477,366
2 Claims. (Cl. 304—5)



1. A collapsible saw horse, including a platform strip formed adjacent each end and on each side with a recess extending throughout the vertical dimension of the strip and inclined downwardly toward the proximate end of the strip, a pair of supporting legs for each end of the strip, the inner surfaces of the upper portions of the legs being inclined upwardly and outwardly to incline the legs when in position in the recesses, the inclined surface of each leg having an inwardly projecting pin to seat in a recess in the strip when the inclined portions of the legs are in contact with the bottom of the recesses, a bolt connecting the legs of a pair immediately below the terminal of the inclined portions of such legs, with said bolt immediately underlying the platform strip when the legs are in operative position relative thereto, the bolt mountings in the legs permitting relative free movement of the legs to provide for collapse and spreading, and a brace carried by one leg of a pair below the bolt, and movable to engage the other leg of the pair to maintain the pins on the inclined faces of the legs in effective cooperation with the slot in the strip.

2,343,558

PROCESS OF RECLAIMING WASTE POLYCHLOROPRENES

Walter G. Kirby and Paul M. Elliott, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 9, 1942, Serial No. 426,179
13 Claims. (Cl. 260—23)

1. A process of reclaiming scrap containing vulcanized polychloroprene which comprises heating the same while in a sub-divided condition at a temperature from about 300° F. to about 420° F. in the presence of an acid of the formula R—COOH, where R is selected from the group consisting of H, OH, COOH and aliphatic hydrocarbon groups containing from 1 to 18 carbon atoms.

2,343,559

PROCESS OF RECLAIMING WASTE POLYCHLOROPRENES

Walter G. Kirby and Leo E. Steinle, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 16, 1942, Serial No. 427,024
17 Claims. (Cl. 260—9)

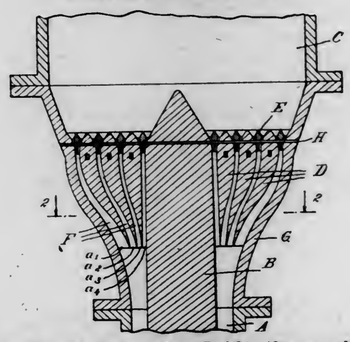
1. A process of reclaiming scrap containing vulcanized polychloroprene which comprises heating the same while in a sub-divided condition at a temperature from about 300° F. to about 420° F. in the presence of a sugar.

2,343,560

DISTRIBUTOR FOR FLUIDS

Hans Klein, Mannheim, Otto Hemmann and Rudolf Keinke, Leuna, and Oskar Hofmann and Wilhelm Boehmer, Halle-on-the-Saale, Germany; vested in the Alien Property Custodian

Application June 10, 1941, Serial No. 397,372
In Germany June 15, 1940
4 Claims. (Cl. 138—37)



1. In a distributor for fluids, the combination with a fluid supply pipe and an enlarged chamber with which said supply pipe communicates, of a funnel shaped tube connecting said supply pipe and said enlarged chamber, a central cylindrical core in said funnel shaped tube, defining a flaring annular opening, a plurality of spaced apart, concentric, annular partition members arranged within said annular opening and defining a plurality of annular concentric channels for the passage of fluid, said annular partitions being so shaped that at any point the total free cross-sectional area of said channels defined thereby

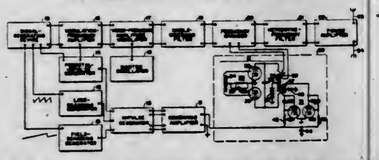
is approximately equal with the cross-sectional area of the supply pipe, whereby the rate of flow of fluid through said channels is approximately the same as the rate of flow through said supply pipe; and said annular partition members being so shaped that the cross-sectional area of the different channels are so proportioned to one another that equal amounts of fluid per unit of cross-sectional area flow through each channel, whereby said fluid is uniformly distributed over the whole cross-sectional area of said enlarged chamber.

2,343,561

TELEVISION BROADCASTING SYSTEM

Arthur V. Loughren, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application November 6, 1940, Serial No. 364,499
10 Claims. (Cl. 178—6.8)



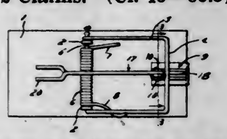
1. A television broadcasting system comprising, a receiver which includes synchronizing-signal translating and utilizing apparatus designed to respond to received carrier signals amplitude-modulated by synchronizing signals, a television transmitter including, means for developing and transmitting to said receiver a modulated-carrier wave including means for developing video-signal components during trace periods and synchronizing-signal components during retrace periods, means for supplying a carrier wave having a predetermined frequency, means for modulating said carrier wave in accordance with said video-signal components, means for frequency-modulating said carrier wave with said synchronizing-signal components, and means in said system having a frequency-response characteristic so related to the frequency and frequency deviations of said carrier wave as to develop in said receiver in response to said synchronizing-signal components a carrier signal amplitude-modulated by said synchronizing-signal components.

2,343,562

MOUSETRAP

Daniel B. Love, Saratoga, Wyo.

Application October 31, 1942, Serial No. 464,057
2 Claims. (Cl. 43—83.5)



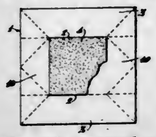
1. In a mouse trap including a base panel, and a tensioned settable striker having a flexible striking end disposed transverse to said panel and being pivotally mounted on said panel for swinging of said end downwardly into set position adjacent the panel, latching means for releasably retaining said striker in set position comprising a resilient pintle mounted on said panel to flex vertically, a disk rotatably mounted on said pintle to peripherally engage said end and flex the same just prior to swinging of said striker into set position whereby said end of the striker is permitted to pass said disk and the pintle is rendered reactive to move the disk upwardly to obstruct movement of said end from set position, and a trip acting to move said end out of set position.

2,343,563

COASTER

John E. McCabe, Fort Thomas, Ky.

Application February 8, 1941, Serial No. 378,064
3 Claims. (Cl. 65—53)



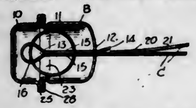
3. As an article of manufacture, a coaster formed from a sheet of flexible resilient material comprising a base and a pair of wing members secured thereto, said wing members being of trapezoidal configuration and normally resting flat on the base with their longer longitudinal edges disposed toward the interior of the base in closely contiguous parallel relationship, said base having an area which is coextensive with that of the two wing members when the latter are disposed in their normal positions.

2,343,564

SEAL

Alexander S. Mackey, Ottawa, Ontario, Canada, assignor to Ketchum Manufacturing Co., Limited, Ottawa, Ontario, Canada

Application March 21, 1941, Serial No. 384,562
2 Claims. (Cl. 292—324)



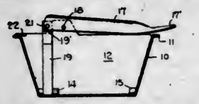
1. A seal comprising a strip of material a casing, said casing formed in two sections designed to be connected together at right angles to the plane of the strip, one of said sections being slotted, said strip of material forming a part of the seal and designed to pass through said slot, said strip of material having a locking head disposed within the casing, said locking head having displaceable means for securing the opposite end of the strip when the latter is projected into the casing and means for preventing relative movement between the casing and the locking head including an inward projection of the side wall of the casing adjacent the connection of said sections and receiving means on the locking head for receiving said projection of the casing.

2,343,565

FREEZING TRAY WITH ICE RELEASE CAM STRUCTURE

Logan L. Mallard, Norfolk, Va.

Application December 4, 1941, Serial No. 421,643
8 Claims. (Cl. 62—108.5)



3. Means for dislodging ice from a container in which water or other material is frozen, comprising a partition adapted to span the interior of the container and be submerged in the fluid during freezing, said partition having oppositely projecting members on its lower edge to be embedded in the ice adjacent the bottom of the container, a lever pivoted to and overlying the upper edge of the partition, and a link pivotally connected to the operating end of the lever and extending down for contact with the bottom wall of the container whereby when the lever is raised said member is pressed against the bottom of the container to force the partition upwardly and dislodge ice from the container.

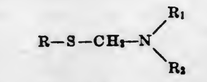
2,343,566

VULCANIZATION OF RUBBER

Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application April 28, 1943, Serial No. 484,885
6 Claims. (Cl. 260—784)

1. The method which comprises vulcanizing a rubber in the presence of a compound having the structure



in which R is a 2-oxazolinyl group and in which R_1 is a member of the class consisting of hydrogen, aliphatic, and aromatic groups and R_2 is a member of the class consisting of aliphatic and aromatic groups.

2,343,567

METHOD OF CROWNING GEARS BY SHAVING

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Original application June 19, 1936, Serial No. 86,089, now Patent No. 2,280,045, dated April 14, 1942. Divided and this application December 9, 1940, Serial No. 369,161
8 Claims. (Cl. 90—1.6)



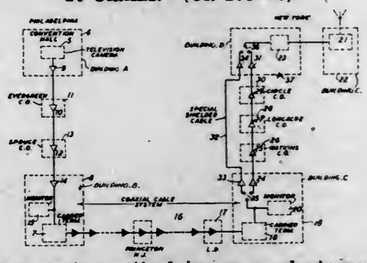
1. The method of finishing gears and crowning the teeth thereof by shaving, which comprises meshing a shaving tool having bowed teeth increasing in thickness from both ends toward their mid-length portion and cutting edges in the sides of such teeth, with a work gear and running them together in mesh with a component of relative cutting traverse between their contacting teeth such that the cutting edges of the tool are caused to shave the surfaces of the work gear teeth, producing a relative feeding traverse between the tool and work gear in the direction of the axis of the gear, effecting a relative recession between the axes of tool and work while the portions of the tool teeth which have progressively increasing thickness are entering into action with the work, and effecting a relative approach between such axes while the portions of the tool teeth of diminishing thickness are approaching the rear end of the work piece.

2,343,568

ELECTRO-OPTICAL SIGNALING

Laurence W. Morrison, Jr., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 10, 1941, Serial No. 373,925
10 Claims. (Cl. 178—6)



1. An electro-optical image producing system comprising a source of image signals having energy concentrations at harmonics of the line scanning frequency, and means to shift the frequencies of said image signals by multiple modulation to a frequency range partially overlapping the frequency range occupied by said original image signals, said means comprising sources of first and other carrier frequencies such that a harmonic of the shifted frequency corresponding to said first carrier frequency lies between adjacent energy concentrations in said shifted range.

2,343,569

PRETREATED BEARING SURFACE AND METHOD OF PRODUCING THE SAME

George L. Neely, Bruce B. Farrington, and Victor N. Borsoff, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application November 3, 1941, Serial No. 417,624
14 Claims. (Cl. 148—6.5)



1. The process of preventing scuffing and scoring between ferrous metal bearing surfaces under extreme pressures which comprises case-hardening said ferrous metal bearing surface and pretreating said case-hardened surface by chemically reacting said surface with a corrosive agent to form thereon an integral thin lubricating film, and controlling said chemical reaction so that only a portion of the hardened encasing metal is attacked whereby the remaining portion of the hardened metal is retained without substantial alteration in the hardness of the treated element.

3. A machine element having a case-hardened ferrous metal frictional wearing surface and a multiplicity of fine pits from said surface extending only a portion of the way through the hardened encasing metal, said pits acting to provide lubricant-receiving reservoirs during frictional wear and initially when said surface is under extreme pressure load.

2,343,570

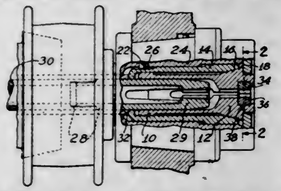
CHUCKING DEVICE FOR USE IN SCREW AND SIMILAR MACHINES

Alden W. Nelson, Pawtucket, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island

Application January 19, 1942, Serial No. 427,256
9 Claims. (Cl. 29—62)

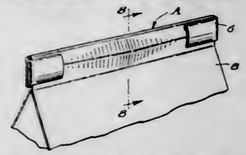
1. For use in the work spindle assembly of an

automatic screw or similar machine, a chuck having jaws operable to alternately grip and release a bar of stock, an annular supporting groove formed within said jaws, and a con-



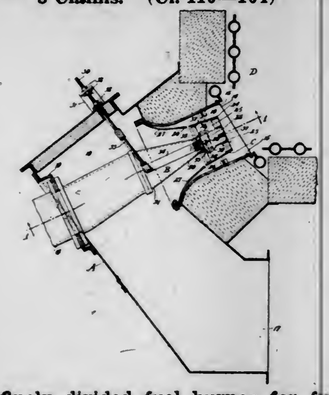
tractible ring friction holding device supported within said groove for engagement with the bar and comprising a plurality of friction ring segments and spring means for contracting said segments against the bar of stock.

2,343,571
BAG CLOSURE
Marcel A. Nicolas, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application November 1, 1941, Serial No. 417,447
9 Claims. (Cl. 229—65)



1. A metal tie closure device for bags and the like comprising an elongated deformable strip of a length greater than the width of a bag to which it is adapted to be applied to thereby provide securing tabs, and a wrapper enclosing said strip, said strip being longitudinally crimped in one direction through an area located intermediate the securing tabs, and said securing tabs being longitudinally crimped in the direction opposite that of the intermediate crimping.

2,343,572
FINELY DIVIDED FUEL BURNER
William F. Oberhuber, Lansdowne, Pa., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application July 1, 1940, Serial No. 343,328
8 Claims. (Cl. 110—104)

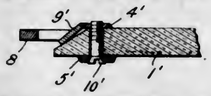


1. A finely divided fuel burner for furnaces comprising an air casing, means mounted in a wall of the furnace providing an air discharge outlet in said casing, a fuel nozzle mounted in said casing in fixed relation thereto to discharge fuel through said air discharge outlet, tip means associated with said fuel nozzle and said air discharge outlet, said tip means having a central fuel passage and a surrounding substantially parallel air passage in fixed relation to each other and constructed and arranged to separately discharge the air from said passage and the fuel from said passage directly into the furnace with the air in substantially uniform surrounding relation to the discharge from the fuel passage, and means for bodily adjusting said tip means to vary the angle of discharge of the fuel and air.

2,343,573
ENGRAVER'S COMPOUND
Albert C. Olson, South Braintree, Mass.
No Drawing. Application January 21, 1942, Serial No. 427,591
4 Claims. (Cl. 41—43)

1. An engraver's compound for the purposes described, consisting of a mixture including lampblack, linseed oil, resinous gum, asphaltum and candilla wax, with the lampblack, linseed oil, gum and asphaltum dissolved in a suitable solvent, said compound also including a body ingredient, such as cornstarch, to give said compound a consistency suitable for its application as a rollup.

2,343,574
SEMIRIMLESS SPECTACLE
Louis John Page, Hollis, N. Y., assignor to Olive Page, Hollis, N. Y.
Application August 30, 1940, Serial No. 354,800
6 Claims. (Cl. 88—41)

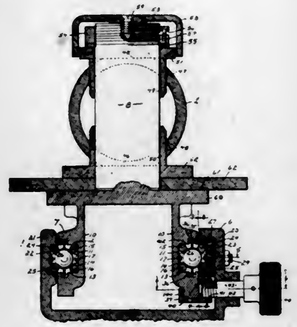


1. An ophthalmic mounting comprising a bridge, arms, said arms being attached to said bridge, said arms being directed in opposite directions and terminating in a forward projecting part forming a clamp, endpieces, said endpieces being attached near the outer end on the rear side of said arms, temples, said temples pivotally mounted to said endpieces, strap ears, said strap ears being attached to the inner side of said arms opposite to said bridge, the plane of said strap ear forming an obtuse angle with the plane of the surface of the adjacent arm part, said strap ear having a threaded hole, lenses, said lenses being prepared with a long inner bevel, a hole and a notch, said clamp positioned in said notch, said strap ear positioned over said hole, washers, each of said washers positioned over said hole on the opposite surface of said lens, screws, said screws inserted through said washers and lens holes and screwed into said strap ears, the edge of said arm part adjacent said strap ear pressing against the lens bevel, securing said lenses in position in said mounting.

2,343,575
ANTIFRICTION GUIDEWAY FOR RECIPROCABLE TOOL SUPPORTS
Harold F. Penney, University Heights, Ohio, assignor to Red Star Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 12, 1942, Serial No. 426,458
12 Claims. (Cl. 308—6)

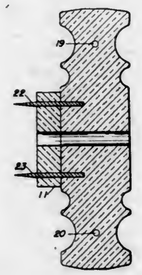
1. In a bearing construction for reciprocatively supporting a tool carriage on a carriage track-

way, a pair of round metal rods supported on the trackway in generally vertically spaced relation, a pair of round metal rods supported on the carriage in generally vertically spaced relation and laterally spaced from the pair of trackway supported rods, a plurality of roller elements between and engaging the pairs of rods, and



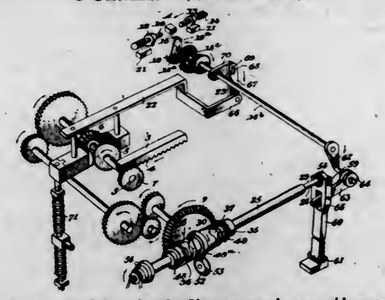
means comprising anti-friction bearing means to hold the carriage supported rods toward the trackway supported rods to thereby hold the pairs of rods and the roller elements in engagement, to cause the carriage to be supported against gravity by the said engagement of the pairs of rods and roller elements.

2,343,576
SUPPORT FOR ELECTRIC CONDUCTORS
Ralph R. Pittman, Pine Bluff, Ark.
Application December 28, 1942, Serial No. 470,423
6 Claims. (Cl. 174—164)



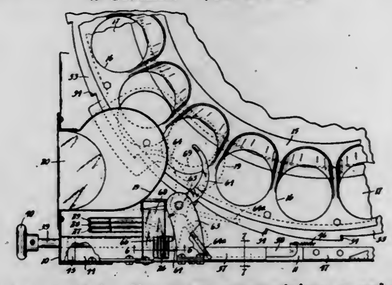
1. A support for electric conductors comprising a longitudinally extending body portion having a central portion of rectangular cross-section and respective end portions of circular cross-section, a small horizontally positioned groove extending around each of said respective end portions adjacent to the respective ends of said central portion and a relatively large horizontally positioned groove extending around each of said respective end portions adjacent to the respective ends of said body portion, an opening extending through each of said end portions at the elevation of the large grooves, the respective openings lying in a plane which is parallel to one side of said central portion, a base portion secured at said one side of and extending laterally from said central portion, and an attaching-bolt opening extending coaxially through the respective midpoints of said central portion and said base portion.

2,343,577
GRINDING MACHINE
John E. Poorman, Philadelphia, Pa.
Application August 10, 1942, Serial No. 454,309
8 Claims. (Cl. 74—324)



1. In a machine including a reciprocating member, a power train for operating the member and having its inauguration in a continuously driven unidirectional power means, said power train including a gear section directly operating the member, means for interrupting the effective influence of the power train on the member at any selected point in the travel of the member in either direction, said interruption completely stopping member movement without interfering with continued power-train operation other than such gear section, means for reversing movement of the power train, and means actuated by the continued operation of the power train following complete stopping of member movement to operate the reversing means.

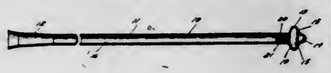
2,343,578
COIN CONTROLLED DISPENSING MECHANISM
Fred T. Rabens, St. Paul, Minn., assignor of one-half to George P. Wild, Bald Eagle Lake, Minn.
Application April 3, 1940, Serial No. 327,617
2 Claims. (Cl. 194—1)



1. An article dispenser comprising a substantially horizontal rotary article holding magazine, a coin controlled dispensing unit for said magazine, a coin return chute positioned adjacent said coin controlled unit, a coin inlet chute leading to said coin controlled unit, a switch device on said chute adjacent said coin controlled unit and said coin return chute movable to direct coins into said coin controlled unit or into said return chute, said switch device normally lying in a position for directing coins into said coin controlled unit, and a switch operator comprising a lever pivotally supported between its ends, one end of said lever terminating adjacent said switch device and the other end of said lever lying in the path of movement of articles placed in said article holding maga-

zine and constituting a cam-like wiper arm, and spring means associated with said switch operating lever adapted to positively move said switch to coin return position relative to said coin return chute when said magazine has been emptied of articles to be dispensed, said switch operating lever and switch being automatically re-set by replacement of articles in said magazine and by actuation of said dispenser.

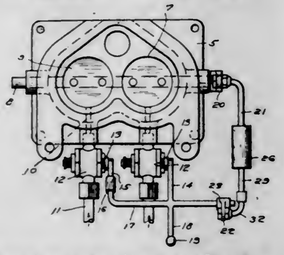
2,343,579
PEZZER CATHETER
Paul A. Raiche, Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Original application March 9, 1937, Serial No. 129,828. Divided and this application October 20, 1941, Serial No. 415,669
2 Claims. (Cl. 128—349)





2. A one-piece Pezzer catheter of flexible material having an integral shank and button, the end of said button having a reinforcing cap imbedded therein between the upper and lower surfaces thereof, said button having a drainage eye.

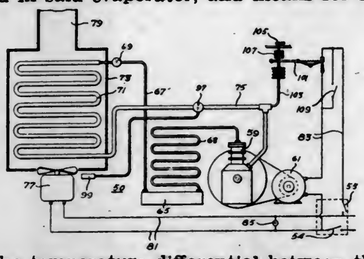
2,343,580
FUEL FEEDING CONTROL ATTACHMENT FOR INTERNAL COMBUSTION ENGINES
Theodore Rau, Philadelphia, Pa.
Application April 18, 1942, Serial No. 439,580
2 Claims. (Cl. 123—108)



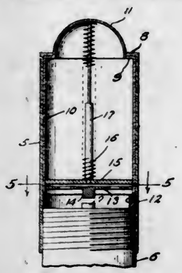
2. A dual valve operating mechanism comprising a lever extending from each valve in substantially parallel relation to each other, a lateral extension adjustably secured on one lever, a pivoted link connecting the other lever to said extension for uniform movement of the levers, and yieldable means restraining idle movement of said other lever and providing range of movement of said one lever beyond the range of movement of said other lever.

2,343,581
REFRIGERATING APPARATUS
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 28, 1939, Serial No. 253,399
3 Claims. (Cl. 62—129)

1. Apparatus for providing for human comfort comprising in combination with an enclosure to be cooled, means for circulating fresh air into said enclosure, a volatile refrigerant evaporator for cooling said air, a suction line connected to said evaporator, a valve in said suction line for throttling the flow of refrigerant therethrough to regulate the quantity of refrigeration produced in said evaporator, and means for reducing the temperature differential between the air inside and outside of said enclosure as the temperature outside of the enclosure decreases consisting of a thermostat responsive to the temperature of the fresh air before it is cooled for throttling the said suction valve to reduce the amount of refrigeration produced in said evaporator.



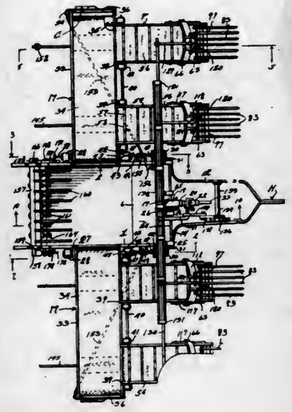
2,343,582
TIRE GAUGE
Clarence G. Rist, St. Paul, Minn., assignor of one-half to Russell T. Rist, St. Paul, Minn.
Application February 26, 1943, Serial No. 477,278
3 Claims. (Cl. 73—111)



3. A tire gauge comprising a pair of transparent barrels one working within the other, the outermost barrel being adapted for attaching at one end to a tire valve stem and the innermost barrel having means adapted for engaging the valve of a tire to open the valve upon a depressing movement of said inner barrel, resilient means between the valve stem and the inner barrel to urge the latter out of valve engaging position, one end of said inner barrel being closed and the other end of the inner barrel having communication with the valve stem, a shoulder on the inner barrel at its closed end, an inturned flange on the free end of the outer barrel overlying the shoulder to limit outward movement of the inner barrel, one of said barrels having a scale thereon and spring biased air pressure responsive means in the inner barrel and cooperating with the scale to indicate pressure of air therein.

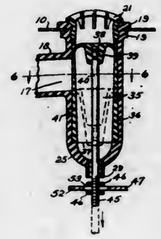
2,343,583
HARVESTING MACHINE
Frank Rogers, Estancia, N. Mex.
Application June 13, 1942, Serial No. 446,918
12 Claims. (Cl. 56—345)

1. A machine of the class described comprising a portable body, a pick-up conveyor associated with the body, means for mounting the pick-up conveyor for swinging movement in a vertical direction, upstanding bracket arms carried by the lower portion of the conveyor and spaced apart transversely thereof, a block pivotally supported between the upper portions of the arms, a rod



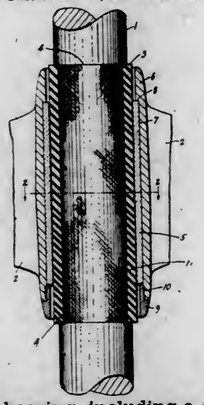
freely disposed from above through the block, a member on the rod below the block for contact with the block from below to raise the conveyor when the rod is lifted, and means carried by the body and operatively engaged with the rod for raising and lowering said rod.

2,343,584
RUBBER VALVE
Charles C. Scheele, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application December 12, 1941, Serial No. 422,733
3 Claims. (Cl. 251—24)



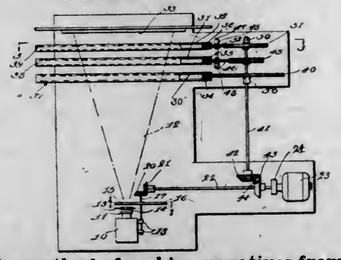
1. A valve comprising a body having a tubular chamber, inlet and outlet ports opening into said chamber, at least one of said ports being located in the side wall thereof, a collapsible hollow plug of elastic material so constructed and arranged that the plug may be collapsed and the side wall thereof turned at least partially inside out by drawing one end of the plug within the hollow portion of the plug, said plug being fitted into said chamber so that in its normal position said plug side wall blocks said side port and in its collapsed position said side port is freed, and means comprising a push-pull connection to said one end of the plug for collapsing the plug and for restoring the plug to normal position.

2,343,585
RUBBER AND PLASTIC WATER LUBRICATED BEARING FOR VERTICAL TURBINE PUMPS
Rudolph D. Schott, Pomona, Calif., assignor, by mesne assignments, to Joshua Hendy Iron Works, Sunnyville, Calif., a corporation of Nevada
Application July 21, 1941, Serial No. 403,325
2 Claims. (Cl. 308—238)



1. A shaft bearing, including a sleeve of rubber material, and a sleeve of a plastic from the group consisting of cellulose acetate or cellulose acetate butyrate plastics.

2,343,586
PROCESS AND APPARATUS FOR ELIMINATING GRAINING IN PHOTOGRAPHY
Eugen Schufftan, New York, N. Y., assignor of forty-five percent to Ludwig L. Lawrence, Locust Valley, N. Y., ten percent to John J. Lipow, Los Angeles, Calif., and forty-five percent to himself
Application December 16, 1941, Serial No. 423,238
8 Claims. (Cl. 95—5)

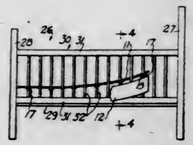


1. The method of making negatives from which printing plates may be produced while eliminating blemishes in the original frames of a motion picture film which consists in making successive exposures of a sensitized surface through a plurality of screens while the screens are at rest and moving the screens relative to each other between the exposures for varying the pattern of the screens.

2,343,587
CHILD'S CRIB COVER
Martin Siegelbaum, Jamaica, N. Y.
Application January 20, 1943, Serial No. 473,031
5 Claims. (Cl. 5—334)

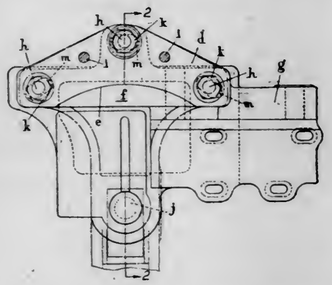
1. A device including a bed covering for a child's crib including a main section having

spaced loops connected to opposite sides thereof, a crib having a series of upright standards at each side thereof, and means detachably connected to the loops whereby the latter are secured to the upright standards of the crib, said means being slidable along said standards whereby the said main section is adapted to rise and



fall with the movement of the child's body, said means including a hook having a small hook portion for engaging a loop and a large hook portion for receiving a standard, the hook having only one opening located only in said large portion which is adapted to be sprung to receive the standard, the small hook portion being too small to receive the latter.

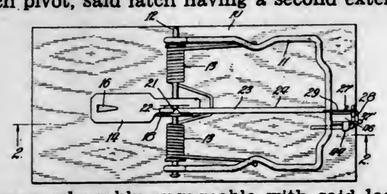
2,343,588
THREAD ROLLING MACHINE
Leo Caspar Steinle, Wimbledon, London, and Cedric Harold Hanwell, Cogenhoe, England
Application April 6, 1943, Serial No. 482,063
In Great Britain March 25, 1942
4 Claims. (Cl. 80—6)



1. In a machine of the character described, a stretcher member, a head mounted to swivel about an axis into different positions with respect to the stretcher member and having a surface disposed substantially concentric of the swivel axis, a surface forming part of said stretcher member and curved in conformity with and constituting an abutment for the first-mentioned curved surface, and releasable clamping means for securing said stretcher member and said head, said surfaces acting to apply the thrust of said head to said stretcher member along a line parallel to the axis of said stretcher member regardless of the position of said head.

2,343,589
ANIMAL TRAP AND SAFETY CATCH THEREFOR
Herbert A. Stilson, Chicago, Ill.
Application October 14, 1940, Serial No. 361,035
25 Claims. (Cl. 43—81.5)

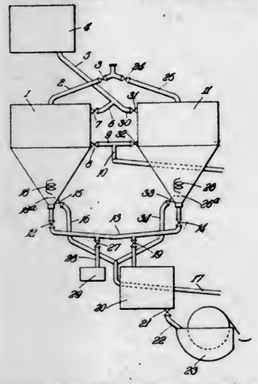
1. An animal trap including a base, a spring actuated jaw, a latch pivoted at one end of the base and having an extension near the pivot point for latching said jaw, and a locking member mounted for pivotal movement adjacent the latch pivot, said latch having a second extension



thereon releasably engageable with said locking member to hold said latch in a latched position.

2,343,590
WITHDRAWN

2,343,591
PROCESS FOR SEPARATING SULPHUR FROM TAR
Roland Syers, London, England, assignor to F. W. Berk and Company Limited, London, England
Application October 28, 1941, Serial No. 416,917
In Great Britain November 6, 1940
3 Claims. (Cl. 23—293)

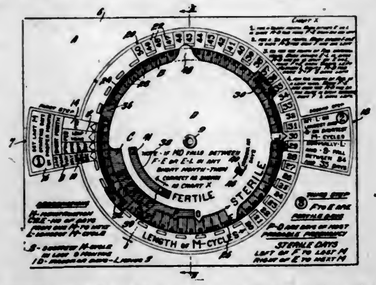


1. A process for the recovery of sulphur from a hot homogeneous solution having sulphur and tar dissolved therein the sulphur constituting the preponderating proportion of the solute which comprises cooling the hot homogeneous solution to a temperature at which a liquid layer separates from a residual solution of sulphur said layer consisting of a small proportion of the total amount of sulphur present in the solution together with the bulk of the tar, separating said liquid layer, and recovering sulphur from the residual solution.

2,343,592
RYTHMETER FOR DETERMINING STERILITY AND FERTILITY
Gilmore L. Tilbrook, Washington, D. C.
Application February 16, 1943, Serial No. 476,050
5 Claims. (Cl. 40—115)

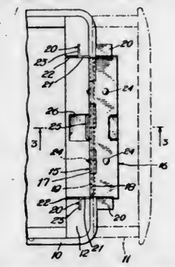
3. A device for ascertaining longest and shortest menstrual cycle for females, a base, provided with a set of numerals adjacent its periphery approximating the days of the menstrual period, a central pin on said base, a first disc rotatable on said pin provided with two sets of successive numerals adjacent its periphery each set ranging from 1 to 31 adapted to register with those on the base, radial lugs, said lugs bearing the

letters MD indicating missing days on said disc adjacent the numerals 29, 30, and 31 of each set on said first disc and at diametrically opposite points, a top disc rotatable on said pin having



apertures therein, an intermediate disc having indicia thereon adapted to register with said apertures, and a detent also on said intermediate disc to prevent the rotation of said top disc beyond a predetermined point.

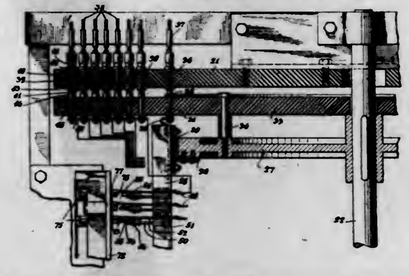
2,343,593
HINGE
Herbert Traumüller, Brooklyn, N. Y.
Application August 20, 1943, Serial No. 499,351
10 Claims. (Cl. 16—159)



3. The combination with supports adapted to be hingedly coupled and having slots opening through adjacent abutting surfaces of the supports to be hingedly coupled, of a hinge comprising two butts, each butt having a flat attaching plate portion, means hingedly coupling adjacent edges of the attaching plate portions of the butts, the ends of said butts having L-shaped mounting members, one leg of said mounting members being adapted to enter the slots on the adjacent surfaces of the supports, and the other legs of said members being forceably driven into the support at an angle to the slots therein in mounting the butts in connection with the respective supports.

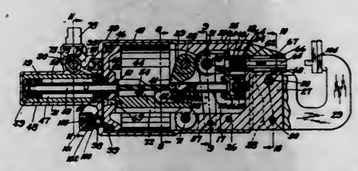
2,343,594
SIGN CONTROL AND SYSTEM
Edward H. Unkles, Weehawken, and Bert W. Roth, Interlocken, N. J., and Charles S. Whitney, Jr., New York, N. Y., assignors, by mesne assignments, to Trans-Lux Ad-News Corporation, New York, N. Y., a corporation of New York
Application December 28, 1940, Serial No. 372,090
19 Claims. (Cl. 177—346)

14. A controller for a sign having a number of elements to be energized in sequence, said controller including in combination a pair of relatively movable supporting members, a series of contacts substantially fixedly mounted by one of said supporting members and to be connected to the energizable elements of the sign, a further series of contacts substantially fixedly mounted by the other of said supporting members and having sequential engagement with said first named contacts as said members are moved with respect to each other, switches independent of each other and electrically connected one to each of the contacts of said further series, means for



mounting said switches by the supporting member mounting said latter contacts; said switches each comprising contact arms and relatively movable cams for closing the circuits through said arms, means cooperable with said cams for shifting the same to circuit-closing positions, and re-setting means including a bar movably mounted by the latter supporting member and cooperable with said cams to shift the latter to positions at which the circuits through said arms are interrupted.

2,343,595
PORTABLE TOOL
Paul Van Sittert, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Substituted for abandoned application Serial No. 275,869, May 26, 1939. This application May 23, 1940, Serial No. 336,871
13 Claims. (Cl. 78—48)

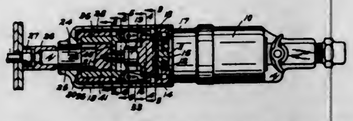


1. In a device of the class described, a movable tool, a rotatable member operatively associated with said tool for driving it into engagement with the work upon rotation of the member, rotation imparting means for said member including a power actuated slidable piston, and fluid actuated rotary means subsequently exerting pressure on said tool for performing the work irrespective of the rotation of said member.

2,343,596
NUT SETTER
Paul Van Sittert, Shaker Heights, and Andrew J. Lev, Garfield Heights, Ohio, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application December 12, 1941, Serial No. 422,708
5 Claims. (Cl. 192—30.5)

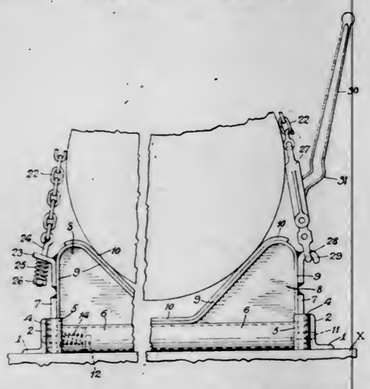
1. In a nut setter, coaxial driving and driven members, a flywheel, two dogs carried by the flywheel, one of said dogs arranged to engage the driving member and the other arranged to engage

the driven member, means initially providing a driving retlationship between said driving and driven members, said means being also responsive to relative rotation between the flywheel and the driven member for shifting one of said dogs from normal driving to impact position, additional



means responsive to relative rotation between the flywheel and the driving and driven members for shifting said one dog from impact to normal driving position, and interconnections between the dogs for imparting movement from one to the other and permitting one dog at a time only to occupy engaged position.

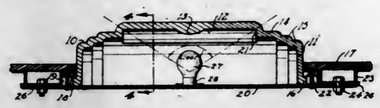
2,343,597
LOAD SUPPORT
Lester W. Wachter, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois
Application December 5, 1942, Serial No. 467,934
7 Claims. (Cl. 248—154)



1. In combination a support and a pair of members positioned thereupon and spaced apart from each other, said members being perforated at a plurality of points, a socket member positioned adjacent each perforation, and a removable rack including a longitudinally extended part, a pin fixed in one end of said part and adapted to enter any one of said perforations, and a movably mounted pin in the other end of said part, said movable pin adapted to enter another of said perforations, and a flexible load retaining means joined at one end to said part, and at its other end provided with means for removably joining said tensioning device to said part.

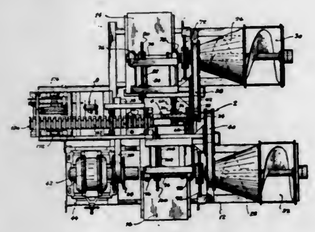
2,343,598
LAMP
Willys P. Wagner, Franklin, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application September 2, 1941, Serial No. 409,242
3 Claims. (Cl. 240—7.1)

1. In a lamp structure, a panel support, a lamp assembly comprising, a lamp, an integral shell of transparent material, an opaque coating applied to portions of the interior of said shell, other portions thereof remaining uncoated and being transparent, said uncoated portion constituting a lens structure, said coated portions serving as a bezel and body therefor, an integral flange on said shell, a substantially flat closure engaging said flange on one side thereof and secured there-



to, said panel being cut away to receive said shell which extends therethrough, the other side of said flange engaging said panel to maintain the assembly in place, said coating extending over such portions of the interior as to prevent internal reflection of light emitted from said lamp through said body portion.

2,343,599
AUTOMATIC TAMALE FORMING AND WRAPPING MACHINE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 4, 1942, Serial No. 441,722
12 Claims. (Cl. 107—1)

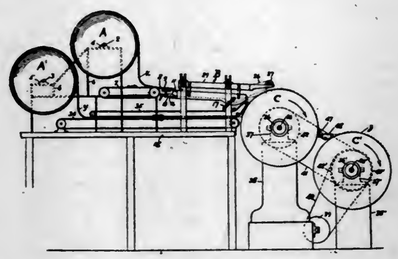


1. In a machine for making tamales and the like, means for continuously forming the food material into a rod, conveying means to receive the continuously formed rod, severing means cooperating with said conveyor to cut the rod into products of predetermined lengths, said conveyor operating at a lineal speed equal to the lineal speed of the formation of the rod, a second conveyor to receive said cut products with the longitudinal axis of the product disposed parallel to the direction of movement of the conveyor, said second conveyor being driven more rapidly than said first conveyor to effect a spacing of the cut products, a third conveyor disposed in angular relation with respect to said second conveyor to carry the cut products to a collecting table.

2,343,600
METHOD FOR SATURATION OF FIBROUS MATERIAL
Alfred F. Weimann, Shelton, Conn., assignor to Barber Asphalt Corporation, Barber, N. J., a corporation of New Jersey
Application March 9, 1940, Serial No. 323,159
3 Claims. (Cl. 154—2)

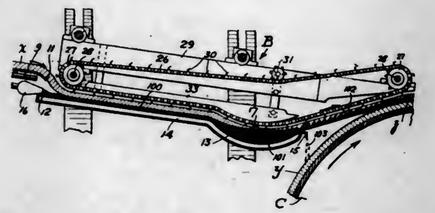
1. The method of treating a fibrous material which comprises continuously passing a loosely formed bat of fibrous material into contact with a liquid comprising a saturant capable of acting when in solid form as a binder for the fibres of said bat, permitting absorption by the bat of only sufficient of said liquid to saturate only a

part of the thickness of the bat, compressing the partially saturated bat to reduce its thickness to an extent sufficient to cause the liquid carried thereby to substantially completely saturate the compressed bat, and effecting solidification of the said saturant, whereby the fibres in the compressed bat are bound together by the solidified saturant and the bat thereby retains its reduced form.



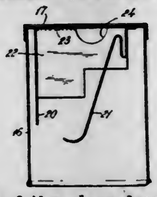
2. The method of treating a fibrous material which comprises continuously passing a loosely formed bat of fibrous material into contact with a liquid comprising a saturant capable of acting when in solid form as a binder for the fibres of said bat, permitting absorption by the bat of only sufficient of said liquid to saturate only a part of the thickness of the bat, continuously feeding a second, substantially unsaturated, loosely formed bat of fibrous material into contact with and thence along with the said partially saturated bat, compressing both bats so as to merge them and reduce their combined thickness to an extent sufficient to cause the liquid carried thereby to substantially completely saturate the combined compressed bats, whereby the fibres in the compressed bats are bound together by the solidified saturant and the bat thereby retains its reduced form.

2,343,601
APPARATUS FOR SATURATION OF FIBROUS MATERIAL
Alfred F. Weimann, Shelton, Conn., assignor to Barber Asphalt Corporation, Barber, N. J., a corporation of New Jersey
Original application March 9, 1940, Serial No. 323,159. Divided and this application September 19, 1941, Serial No. 411,464
5 Claims. (Cl. 154—29)



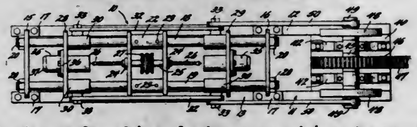
1. Apparatus for the saturation of fibrous material which comprises, in combination, means containing a flowing stream of saturant, means for moving a bat of loosely formed fibrous material into partial submergence in, along with and away from said stream of saturant to obtain a partial saturation of the bat and means for compressing the partially saturated bat to reduce its thickness and complete its saturation.

2,343,602
OPENER FOR CONTAINERS
Charles B. White, Bronxville, and Jack Winkler, Brooklyn, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 4, 1942, Serial No. 449,834
3 Claims. (Cl. 221—23)



1. In a device of the class described, the combination of means for receiving the end of a container, of the type comprising a cylindrical body closed with an end disc, and for guiding the container for relative longitudinal movement, a member attached to said means in position to engage the end disc of the container at a point near its periphery and to press said disc inwardly at said point in consequence of said movement, and a resilient member, connected with said means in position to be pushed back by the said end disc in consequence of said movement and to press the end disc further inwardly by its resilient action after such movement of the end disc has been initiated by the positive action of the first mentioned member.

2,343,603
WOODWORKING MACHINE
William Scott Whiting, Jr., Hartsville, S. C., assignor to Sonoco Products Company, Hartsville, S. C., a corporation of South Carolina
Application December 15, 1942, Serial No. 469,103
6 Claims. (Cl. 144—20)



1. A woodworking device comprising, in combination, a supporting frame, a stock supporting member on said frame, a support on said frame at a predetermined distance from said member, boring means on said support extending toward said member, a carriage mounted on said frame for reciprocation between said member and said boring means, an open ended annular punch and work gripping means on said carriage, whereby a blank may be punched fom a piece of stock at said member at the end of one stroke of said carriage, said blank being retained in said annular punch and work gripping means and forced to its opposite end by successively punched blanks to be presented to said boring means during an opposite stroke of said carriage, and the further operation of said device in punching blanks acting to force said blank from said gripping means during a subsequent stroke toward said member.

2,343,604
CLEANING TOOL
Ira I. Wilson, Warren, Ohio
Application June 20, 1941, Serial No. 399,013
3 Claims. (Cl. 15—128)

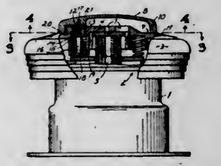
1. A device of the class described including a handle, a brush support mounted on one end of

said handle having diverging side walls and perpendicular end walls, a stock of bristles transversely disposed in said support having their ends protruding beyond the edge of each of said side walls providing two bristle faces extending in diverging relation, a clamping plate adapted to



fit within said support intermediate the stock of bristles, said plate having downturned flanges at its ends adapted to abut against the end walls of said support, and means for exerting downward pressure on said clamping plate to clamp the stock of bristles between said plate and support.

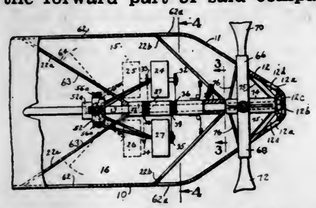
2,343,605
LOCK TYPE FUEL TANK FILLING CAP
Solomon Wise, Cleveland, Ohio
Original application March 11, 1940, Serial No. 323,291. Divided and this application October 6, 1941, Serial No. 413,858
3 Claims. (Cl. 70—455)



1. In a filling cap device, a body provided with a keyhole, a keyhole cover pivotally connected to the body and pivotally movable to uncover the keyhole, a cam and a cam follower, one on the body and the other on the cover, a spring holding the cover toward the body and yieldable to permit the cam and cam follower to move the cover away from the body upon turning the cover on its pivot connection to uncover the keyhole and the cam and cam follower being disposed so as to be covered by the cover in all rotated positions thereof.

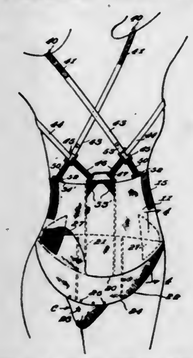
2,343,606
MULTIMOTOR SINGLE PROPELLER AIRPLANE
Walter Wisk, West Cromwell, Conn.
Application September 17, 1941, Serial No. 411,183
3 Claims. (Cl. 244—55)

1. In an airplane having a fuselage compartment and a propeller, a sector-shaped motor housing in said fuselage compartment, said compartment having a U-shaped inner wall and a circular outer wall, said compartment also having a rear ventilation outlet, an adjustable air inlet at the forward part of said compartment,



and an apertured cowl connected for rotation with said propeller for delivering air to said inlet.

2,343,607
FOUNDATION GARMENT
Florence E. Wrigley, Woodstock, Ill.
Application May 26, 1942, Serial No. 444,576
5 Claims. (Cl. 2—32)



1. A garment of the character set forth comprising a waist encircling unit, a brassière unit having side portions terminating at the sides of the chest of the wearer, a single shoulder strap secured to each of said side portions and having an end passing over the shoulder and downwardly across the back, and a second end passing under the arm and downwardly across the back, the said ends of each shoulder strap forming back straps being arranged to have a downwardly convergent relation toward said waist unit, and means detachably connecting the convergently related ends of each shoulder strap with the back part of the waist unit.

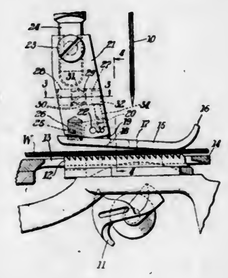
2,343,608
LUBRICATING OIL COMPOSITION AND OIL ADDITIVE
John S. Yule, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 17, 1941, Serial No. 415,423
9 Claims. (Cl. 252—46)

1. A pour point depressor for wax-containing mineral oils prepared by heating a material selected from the group consisting of prime lard oil, No. 1 lard oil, edible lard oil, neat's-foot oil, acidless tallow, olive oil, peanut oil and rapeseed oil with in excess of 3% and not more than 9% of sulfur to a temperature between 250 and 500° F., sufficiently high and for a period of hours between 1 and 32, sufficiently long so that the reaction product has substantially reached its maximum pour depressing ability, and cooling the reaction product, said depressor having

the ability to lower the pour point of Pennsylvania neutral oil having a viscosity of 180 seconds Saybolt at 100° F. and a pour point of 30° F., more than 50° F. when added thereto in amounts of 1 per cent by volume.

6. A lubricant comprising wax-containing mineral lubricating oil and from 0.1 to 2 per cent by volume of a pour depressor prepared by heating a material selected from the group consisting of prime lard oil, No. 1 lard oil, edible lard oil, neat's-foot oil, acidless tallow, olive oil, peanut oil and rapeseed oil with from 5 to 9 per cent by weight of sulfur to a temperature between 250 and 500° F., sufficiently high and for a period of hours between 1 and 32, sufficiently long so that the reaction product has substantially reached its maximum pour depressing ability and then cooling the product, said product having the ability when added to Pennsylvania neutral oil of 180 Saybolt viscosity at 100° F. and 30° F. pour point, in an amount of 1 per cent by volume to reduce the pour point thereof at least 50° F.

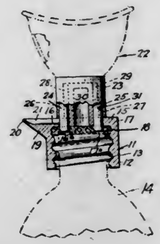
2,343,609
PRESSER FOOT FOR SEWING MACHINES
Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 21, 1943, Serial No. 491,608
5 Claims. (Cl. 112—235)



1. A sewing machine presser-foot comprising, a shank-member, a work-engaging sole-plate pivotally carried by said shank-member for tilting movements about an axis extending crosswise of said sole-plate, an upright thrust-pin slidably supported upon said shank-member for endwise engagement with the upper face of said sole-plate at a point spaced from the pivot-axis of the sole-plate, a positioning-member journaled upon said shank-member for turning adjustment into and out of sole-plate tilting engagement with said thrust-pin, and means for securing said positioning-member in set position.

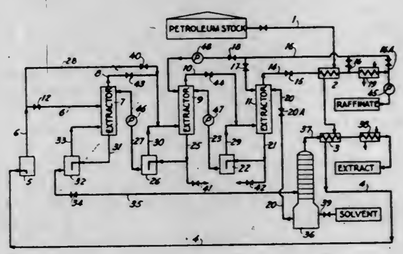
2,343,610
DROPPER AND POURER CAP
Huna L. Apfelbaum, Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application September 7, 1942, Serial No. 457,583
8 Claims. (Cl. 221—148)

1. In a container closure, a cap having a plurality of perforations therein, a sealing element for the perforations normally carried by the cap and removable therefrom when the contents of the container are to be dispensed, said element having pins projecting beyond the bottom surface thereof, and cooperating means on the cap and the element for guiding the pins into and out of the perforations, said means comprising a



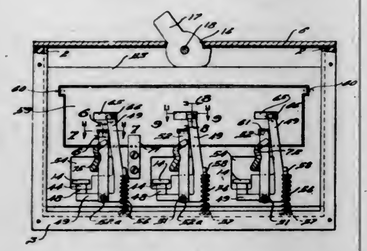
grooved upstanding central part on the cap and projections on the element above the pins arranged to slide in the grooves of said central cap part.

2,343,611
SELECTIVE SOLVENT EXTRACTION OF PETROLEUM
John Q. Cope and William H. Claussen, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Original application August 17, 1937, Serial No. 159,522. Divided and this application September 23, 1940, Serial No. 357,892
9 Claims. (Cl. 196—13)



1. A process of separating components of a complex mixture containing aromatic and non-aromatic carbon compounds having overlapping boiling ranges which comprises passing said mixture through an extraction zone, passing a liquid phase selective solvent through said extraction zone, intimately contacting said mixture with said liquid phase selective solvent, maintaining said selective solvent in said zone at a temperature no lower than the boiling point of said mixture, separating a vapor phase non-aromatic raffinate from said liquid phase solvent, removing the liquid phase solvent containing dissolved aromatic hydrocarbons from said extraction zone, passing said solvent together with its dissolved compounds to a separate stripping zone, maintaining a seal between said solvent extraction and stripping zones to prevent undesired return of vaporized compounds, and altering the conditions in said extraction zone by returning to said zone controlled amounts of vapor phase hydrocarbons stripped from said solvent phase in said stripping zone, said controlled amounts consisting of only the more readily vaporized portion of the hydrocarbons dissolved in said selective solvent.

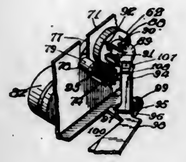
2,343,612
MULTIPOLAR CIRCUIT BREAKER
William H. Frank and Elwood T. Platz, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application March 25, 1943, Serial No. 480,432
20 Claims. (Cl. 200—116)



4. A multipolar circuit breaker comprising a plurality of independent contactors, a common, unitary, movably mounted holding member to which the contactors are releasably and independently latched, and a plurality of independent biasing springs independently biasing the contactors, each spring being arranged to bias its own contactor for circuit closing when the latter's latch holds and to bias its own contactor for circuit opening when the latter's latch releases, each spring operating, when its contactor is no longer latch held, to bias its contactor relative to the common holding member for circuit opening, means providing an operative connection between each contactor and the common holding member whereby when a contactor is moved by its spring relative to the common holding member for circuit opening on release of the hold of its latch, that contactor moves the common holding member to release its hold on the remaining contactors whereupon these are then biased for circuit opening by their springs, the holding member providing separate abutments, each of the contactors having a bimetal element releasably engaging and holding to an abutment of the holding member and adapted to move on overload to release its contactor from the holding member and free it to be moved by its spring for circuit opening, with the contactor then moving the holding member to move its abutments from the bimetal elements of the remaining and still held contactors, the operative connection between each contactor and the holding member comprising a cam on the contactor for engaging a follower on the holding member and thus moving it out of its then holding position, wherein it had been holding the contactors which had not already been moved by their springs.

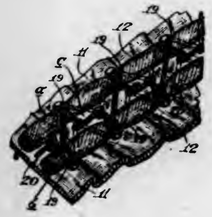
2,343,613
CLOCK
Edwin M. Goldsmith, Jr., Philadelphia, Pa., assignor to M. M. Gottlieb Associates, Inc., Allentown, Pa., a corporation of Pennsylvania
Application April 8, 1940, Serial No. 328,487
6 Claims. (Cl. 58—125)

1. A clock including a motor, a plurality of drums, means intermediate said motor and one of said drums for positively and intermittently driving said drum one tenth of a revolution at minute intervals and for retaining said drum locked against rotation for the major part of each minute, said driving and retaining means including a detent member and a rotary locking escapement member, and manually operable means for disengaging said driving means by moving said



detent member out of alignment with said rotary locking escapement member for permitting the setting of said drums.

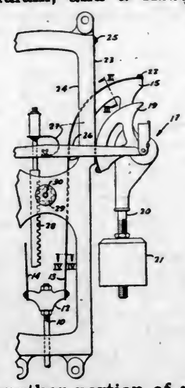
2,343,614
METHOD OF MAKING FABRIC AND DRESS ORNAMENTATION, AND THE PRODUCT THEREOF
Walter J. Harpham, Hartford, N. J., assignor to L. Nachman & Sons, Philadelphia, Pa., a partnership
Application December 2, 1940, Serial No. 368,196
2 Claims. (Cl. 112—266)



1. A method of making ornamented fabrics which comprises shirring the fabric and superimposing upon the face of the shirred fabric spaced pairs of more or less inelastic cords transversely across the shirred face of the fabric in generally straight lines, and more or less immovably anchoring the said pairs of cords to the said shirred fabric with relatively inelastic thread by double zig-zag lock stitches with the needle-applied zig-zag threads disposed on the back surface of the fabric and with needle-produced loops projected through the fabric adjacent to the cords of each pair in staggered spaced relation, said loops being disposed alternately intermediate of and outside of said pairs of cords, and with the outer loops extending across said cords towards the center and with the ends of all the loops held in said center by the shuttle-applied bottom thread.

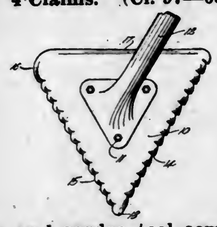
2,343,615
WEIGHING SCALE
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application November 14, 1941, Serial No. 419,148
3 Claims. (Cl. 265—62)

1. In a weighing scale, in combination, an arcuate sector forming a part of a load counterbalancing pendulum, and a ribbon connecting



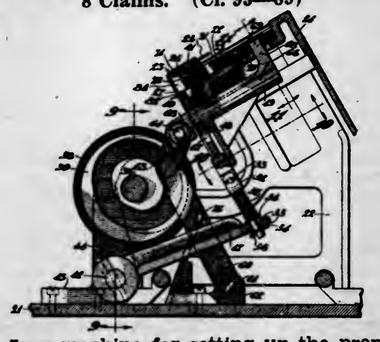
said sector to another portion of said scale, said ribbon having a curved cross section.

2,343,616
LAWN AND GARDEN TOOL
Benjamin Franklin Kay, Los Angeles, Calif.
Application June 10, 1941, Serial No. 397,393
4 Claims. (Cl. 97—68)



1. A lawn and garden tool comprising a substantially flat blade of general triangular shape, and a handle secured to the blade extending upwardly and rearwardly from the body of the blade, the side edges of the blade being toothed, the teeth on one side edge being directed forwardly while those on the other side edge are scalloped in shape.

2,343,617
PRICE TAG DELIVERY MECHANISM
Frederick Kohnle and Thomas G. Turner, Dayton, Ohio, assignors to Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application June 24, 1940, Serial No. 342,118
8 Claims. (Cl. 93—89)



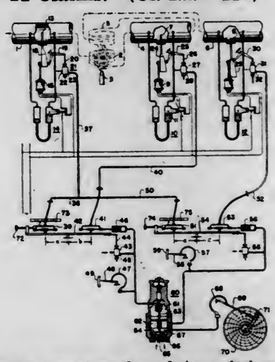
1. In a machine for setting up the prongs of a price ticket of the type including the prongs lying flat against the face thereof, a table providing a guide slot for the tickets, a forming die adapted to be reciprocated upwardly against the underside of the ticket for clamping those portions of the prongs, adjacent the attached portions, in the slot, a reciprocable die element disposed for movement transversely of the guide slot at right angles to the first die, said last named die including a feathered forward edge insertable between the prongs and the ticket, and means for moving said dies in synchronism so that the ticket and prongs are concurrently gripped and bent for erecting the prongs.

2,343,618
BUSH FOR METAL BARRELS
George W. Lawton, Cincinnati, Ohio, assignor to The United States Bung Manufacturing Company, Cincinnati, Ohio, a corporation of New York
Application August 13, 1941, Serial No. 406,693
2 Claims. (Cl. 217—113)



1. In a metal barrel or like container a wall having an opening therein, a neck upstanding around the periphery of said opening, an annular sheet metal bush fitted in said opening interiorly of the neck, said bush having smooth flared inner sides for the reception of a tapered wooden bung; the upper edge of said bush being bent substantially perpendicular to the outer edge of the neck and reversely bent downwardly to form an extended lip of double thickness; the under edge of the reversely bent portion being contacted and supported by the upper edge of the neck; the lower edge of the bush being likewise bent outwardly to engage the inner surface of the wall of the container and restrain vertical movement of the bush in the neck.

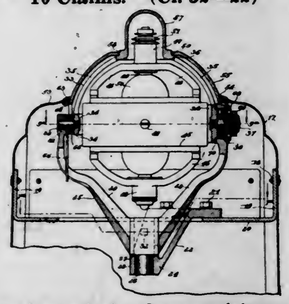
2,343,619
MEASURING AND CONTROL SYSTEM
John F. Luhrs, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application September 21, 1940, Serial No. 357,787
11 Claims. (Cl. 122—448)



3. In an apparatus for determining the ratio between two variables, in combination, means periodically originating electric impulses proportional in time length to the logarithm of one of said variables, means periodically originating electric impulses of a time length proportional to the logarithm of the other of said variables,

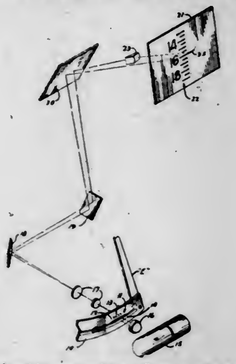
means periodically originating electric impulses of a time duration proportional to the antilogarithm of the difference in time lengths of said first two named series of periodic impulses, and indicating means positioned in accordance with the time duration of said last named impulses.

2,343,620
EQUIPMENT STAND
Oscar H. Pieper, Rochester, N. Y.; Rochester Trust and Safe Deposit Company, Rochester, N. Y., a domestic banking corporation of New York, executor of said Oscar H. Pieper, deceased
Application October 25, 1941, Serial No. 416,538
10 Claims. (Cl. 32—22)



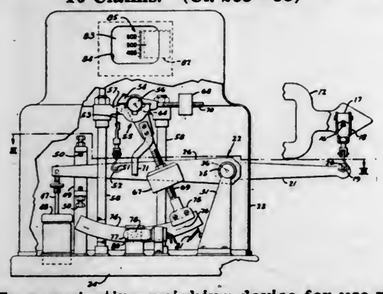
5. An equipment stand, comprising: a stationary housing having a substantially circular opening in a wall thereof, a motor in said housing, means in said stationary housing supporting said motor for limited universal movement thereof relative to said opening, a substantially hemispherical housing fitting said opening in said stationary housing and partially enclosing said motor, said hemispherical housing being fixed with respect to said motor and movable with said motor, an arm fixed for movement with said motor, said arm being adapted to carry a tool, said hemispherical housing having an opening, and means extending through said opening of said hemispherical housing and connecting said motor with said tool for driving the same.

2,343,621
PROJECTION SYSTEM
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 29, 1941, Serial No. 416,965
8 Claims. (Cl. 88—24)



1. A projection system for a measuring instrument comprising a movable chart having transparent indicia, said chart being operatively connected to the condition responsive element of such instrument, a light source, condensing and projecting lenses, said light source and said condensing lens being located on one side of said movable chart and said projecting lenses being located on the same axis as said light source and said condensing lenses and on the other side of said movable chart, a transparent area in said chart slightly spaced from said transparent indicia, a screen located to receive the image of said indicia and a combination prism and lens located in the path of the light rays passing through said transparent area, said combination prism and lens bending and focusing such rays to form an index on said screen in a fixed position immediately adjacent the edge of the image of that one of said indicia registered with the axis of said lenses by movement of such condition responsive element of such instrument to indicate the value of the condition being measured by such instrument.

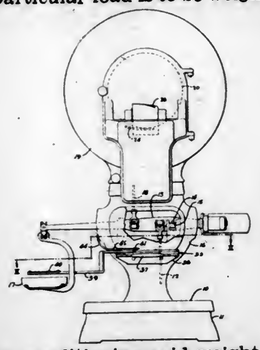
2,343,622
WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application November 28, 1941, Serial No. 420,825
10 Claims. (Cl. 265—58)



1. In a projecting weighing device for use with load receiving mechanisms, in combination, load counterbalancing and indicating mechanism and a main lever connecting said load receiving mechanism to said load counterbalancing and indicating mechanism, said lever having two arms, one of said arms being connected to said load receiving mechanism and the other of said arms being connected to said load counterbalancing and indicating mechanism, said arms being relatively angularly adjustable throughout a wide range about the pivot line of said lever to permit various directions of connection between said load receiving mechanism and said lever while maintaining the direction of connection between said lever and said load counterbalancing and indicating mechanism.

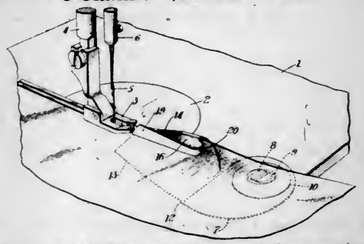
2,343,623
WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application December 31, 1942, Serial No. 470,752
6 Claims. (Cl. 265—5)

1. In a weighing scale, in combination, load counterbalancing mechanism, a weight printing device controlled thereby, a plurality of load receivers, each of said load receivers being so connected to said load counterbalancing mechanism that there exists a fixed ratio between the weighing capacities of said load receivers and between the weights of loads which when placed on said load receivers cause said load counterbalancing mechanism to react to the same extent, means for selecting that one of said load receivers upon which a particular load is to be weighed and other



means for conditioning said weight printing device to print the weight of a load in terms of the capacity of that one of said load receivers upon which it is weighed.

2,343,624
WORK-FOLDING ATTACHMENT FOR SEWING MACHINES
Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 4, 1942, Serial No. 449,704
3 Claims. (Cl. 112—141)

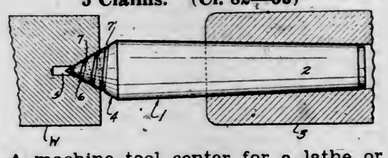


1. A work-folding attachment for sewing machines comprising a work-folding scroll having an L-shaped receiving end and a C-shaped delivery end, a horizontal blade-like arbor-section disposed between the limbs of the C-shaped delivery end of said scroll, a vertically disposed shank for supporting said arbor-section on said scroll, said shank being spaced from said scroll and providing with said scroll opposed walls defining a fabric-passageway, and a substantially vertical guide-wall formed on that side of the arbor-section which is remote from the work-folding scroll.

2,343,625
INSULIN PREPARATION AND METHOD OF MAKING SAME
Harold A. Abramson and Manuel H. Gorin, New York, N. Y., assignors of forty per cent to said Abramson, fifteen per cent to said Gorin, and forty-five per cent to Galen Company, a corporation of California
No Drawing. Application January 13, 1941, Serial No. 374,210
11 Claims. (Cl. 167—75)

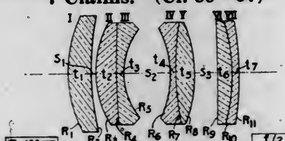
1. A liquid insulin preparation comprising dissolved insulin and insulin precipitate, stabilized by a protein peptizing agent substantially nontoxic to the human system.

2,343,626
TOOL CENTER
Thomas L. Adas, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 14, 1941, Serial No. 419,079
5 Claims. (Cl. 82—33)



1. A machine tool center for a lathe or like tool comprising a stationary work-supporting conical part with a pointed end and provided with a helical groove in its work engaging surface and extending from the pointed end of the center towards the base of the cone and beyond the area normally contacted by the work.

2,343,627
LENS
George H. Aklin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 8, 1941, Serial No. 414,134
7 Claims. (Cl. 88—57)



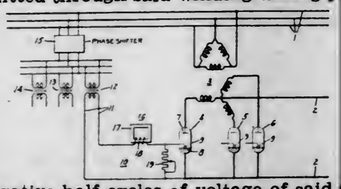
F=100 mm				f/2.5
LENS	N_D	V	RADII	THICKNESSES
I	1.611	57.2	R_1 = + 40.1 mm	t_1 = 7.0 mm
			R_2 = + 84.4	S_1 = 1.4
II	1.611	58.8	R_3 = + 31.6	t_2 = 6.7
III	1.573	42.5	R_4 = + 292.0	t_3 = 1.9
			R_5 = + 21.6	S_2 = 14.6
IV	1.617	36.6	R_6 = − 29.9	t_4 = 2.0
V	1.745	44.4	R_7 = + 102.0	t_5 = 5.3
			R_8 = − 41.6	S_3 = 7.2
VI	1.755	47.2	R_9 = − 441.0	t_6 = 4.4
VII	1.575	41.4	R_{10} = − 57.1	t_7 = 2.0
			R_{11} = − 99.5	BF = 70.5 mm

1. A high aperture objective of the type comprising four coaxial components separated by air of which the two outer ones are positive and the two inner ones are compound menisci highly concave toward each other, characterized by the rear positive component being a doublet consisting of a positive element cemented to the front of a negative element whose refractive index is less than that of the positive element by more than 0.12 and by said rear component being meniscus in shape concave toward the front, with the radius of curvature of its front surface longer than twice the focal length of the objective.

2,343,628
CONTROL CIRCUIT FOR ELECTRIC VALVE APPARATUS
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 12, 1941, Serial No. 410,514
9 Claims. (Cl. 175—363)

1. In combination, an electric discharge device of the type employing an ionizable medium and comprising an anode, a cathode and an immersion-ignitor control member associated with said cathode, said cathode and said control member offering an unsymmetrical impedance to the flow of alternating current therethrough, a source of alternating current, and an excitation circuit for energizing said control member and includ-

ing a self-saturable inductive device having a saturable core member and a winding, an impedance connected in series relation with said winding across said source, the magnitude of said impedance and the control-member-to-cathode circuit being such that the unsymmetrical current transmitted through said winding during positive



and negative half cycles of voltage of said source effects saturation of said core member during only positive half cycles of voltage of said source thereby effecting the transmission of positive impulses of current to said control member sufficient to initiate arc discharges between said anode and said cathode during only said positive half cycles.

2,343,629
LENS
Fred E. Altman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 11, 1942, Serial No. 442,421
15 Claims. (Cl. 88—57)



1. A photographic objective with an over all length greater than ¼ of its focal length comprising a front and a rear positive component and axially aligned between them a biconcave component and a meniscus component with its concave side facing the biconcave component in which the meniscus component is so constructed that its thickness is greater than one-fiftieth of the focal length of the objective and the algebraic sum of its surface powers is algebraicly less than plus three-tenths and greater than minus two times the power of the objective and in which the biconcave component is so constructed and disposed that the radius of curvature of the side turned toward the front of the objective is more than eight-tenths and less than two times the radius of curvature of the side turned away from the front of the objective.

2,343,630
SHIELD FOR CATHODE RAY TUBES
Horace Atwood, Jr., Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application April 25, 1942, Serial No. 440,453
3 Claims. (Cl. 250—141)



1. A magnetic and electrostatic shield for a cathode ray tube having a metal base, comprising particles of electrically conductive material of high magnetic permeability applied in an adhesive binder to said tube, said shield being separated from but electrically connected to the metal base of said tube.

2,343,631
SHOULDERLESS GOWN
Otis M. Bailey, Bristol, R. I.
Application April 28, 1941, Serial No. 390,763
3 Claims. (Cl. 2—52)

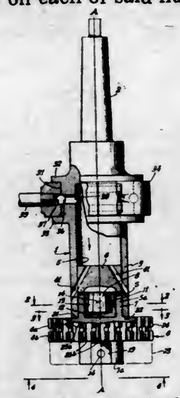


1. A shoulderless gown comprising a prehensile spring frame comprising a piece of wire having a tempered central portion set to substantially embrace a wearer's waist and end portions at the rear thereof each first looped outwardly and then projecting forwardly and upwardly first as a back portion over a kidney portion of the wearer's back, then as a side portion beneath an armpit of the wearer and finally as a front portion extending upwardly substantially exterior of the breast of the wearer and terminating on the wearer's chest and a gown fabric split centrally at the rear thereof from the waist for a distance upwards, each split portion having a pocket at the waist containing a looped end of the waist encirling spring, said gown fabric having a skirt portion at least partially encircling the wearer's nether portion and having a bib portion extending upwards from the front of said skirt portion having side edges projecting forwardly and upwardly from the rear split portion thereof underneath each armpit of the wearer and over the wearer's bosom and a top edge extending across the wearer's chest and a band hemmed to each side edge of said bib portion forming a pocket containing a forwardly and upwardly projecting spring end whereby after the waist encircling portion of said spring is resiliently spaced for attachment around the wearer's waist and released to its set position embracing said waist, said gown is draped and supported on the wearer and for packing purposes the ends of said spring frame may be bent downwardly through the waist encircling portion to spring outwardly underneath it to form a flat frame around which the gown may be folded to take up a small compass.

2,343,632
TAP CONSTRUCTION
Harding F. Bakewell, San Marino, Calif.
Application August 24, 1942, Serial No. 455,875
9 Claims. (Cl. 10—146)

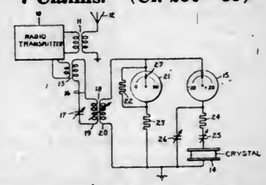
1. A tap construction which comprises: an elongated body portion defining a shank, said shank being provided at one end with a longitudinally extending cylindrical recess, a thread-cutting member adapted for attachment to said shank at said one end, said member being provided with a thread-cutting portion and an axially central projecting cylindrical hub-portion at each side of said thread-cutting portion, said hub portions being coactingly dimensioned with

respect to said recess and concentric with said thread-cutting portion; and attachment means cooperating with said thread-cutting member and said shank, said attachment means comprising shoulder means on each of said hub portions and



on said shank and a fusible interlocking member formed of material of relatively low melting point positioned for interlocking engagement with the shoulder means on said shank and the shoulder means on one of said hub portions when such one hub portion is disposed within said recess.

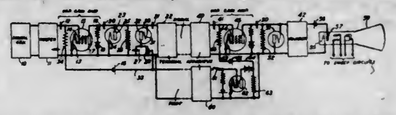
2,343,633
FREQUENCY MEASURING DEVICE
Charles F. Baldwin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 7, 1941, Serial No. 413,949
7 Claims. (Cl. 250—39)



4. In combination, a piezoelectric device, means including a condenser in series with said device for adjusting simultaneously the series and parallel resonant frequencies of said device, means including a resistance in series with said device and said first condenser for reducing the rate of change of impedance with frequency of said device as the frequency is varied between said series and parallel resonant frequencies, means including a condenser in shunt to said device, said first condenser and said resistance for adjusting said parallel resonant frequency without substantially affecting said series resonant frequency, said device and said three adjusting means forming a network whose impedance varies substantially linearly with frequency between said two frequencies, and means for measuring the impedance of said network.

2,343,634
NOISE REDUCTION SIGNALING SYSTEM
Millard W. Baldwin, Jr., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 1, 1940, Serial No. 363,813
8 Claims. (Cl. 178—6.8)

1. In an image signal transmission system, means for producing an image signal varying in accordance with light and shade values of successive areas of a field of view, means for amplifying said signal, means responsive to maximum peaks of said signal corresponding to maximum highlights of a stipulated number of said successive areas and insensitive to the occurrence of lesser peaks corresponding to medium brightness areas among said stipulated number, and adapted to deliver an auxiliary voltage related to said

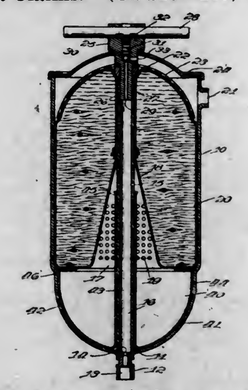


peaks, means for varying the amplification of said image signal inversely in accordance with said auxiliary voltage to produce a modified image signal, means for transmitting said image signal as modified and said auxiliary voltage to a receiver station, and at said receiver station, means including an amplifier for reconstituting an image from said signal, and means for varying the gain of said receiver amplifier under control of said auxiliary voltage.

2,343,635
PROCESS FOR CONCENTRATING WEAK NITRIC ACID
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application October 19, 1940, Serial No. 361,895
2 Claims. (Cl. 23—160)

1. The process for producing a concentrated nitric acid from a weak nitric acid containing above 0.1% nitrous acid which comprises aerating said weak nitric acid, thereby reducing the nitrous acid content of the weak nitric acid to below 0.1% and thereafter distilling the weak nitric acid under a pressure below atmospheric maintained by means of a barometric water jet condenser.

2,343,636
OIL FILTER
Cecil N. Bentley, Toledo, Ohio, assignor to De Luxe Products Corporation, a corporation of Indiana
Application September 3, 1940, Serial No. 355,249
2 Claims. (Cl. 210—140)



1. In an oil filter, a housing, means for introducing oil thereto including an oil entrance, means for withdrawing oil therefrom including an oil exit, a filtering means between the oil

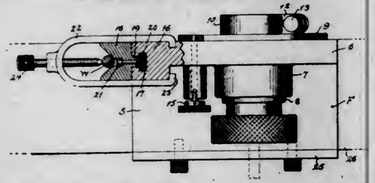
entrance and the oil exit, a sump chamber in the housing below the filtering means, means for supporting the filtering means in the housing above the sump chamber, a removable cup shaped open top sump element independent of the housing and the filtering means within the sump chamber, said element being freely removable after removal of the filtering means and having a central upstanding tubular member extending above its edges, and a fabric lining between the housing and the removable sump element.

2,343,637

GRINDING FIXTURE

Joseph Bochenek, Milwaukee, Wis.

Application November 2, 1942, Serial No. 464,165
3 Claims. (Cl. 51—216)



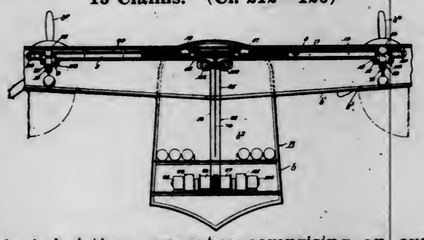
1. In a collet index fixture having a base plate and a right-angularly extending wall, a rib formed on one end of said wall, clamp blocks adjustably mounted on the rib, and a clamp stirrup engaging said rib and longitudinally adjustable thereon, and a set screw carried by the stirrup for engaging the work between the clamp blocks.

2,343,638

HOISTING APPARATUS

George E. Bock, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application February 12, 1943, Serial No. 475,632
13 Claims. (Cl. 212—126)



1. A hoisting apparatus comprising an overhead track, a pair of trucks mounted to travel on the track and each provided with vertically movable hoist means, means for conjointly shifting the trucks to and from one another, latches for releasably locking the trucks when they are shifted into certain positions on the track, and means for conjointly releasing the latches, including a pair of solenoids associated with said latches respectively.

2,343,639

WASHING TREATMENT

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 2, 1940, Serial No. 350,117
12 Claims. (Cl. 260—97)

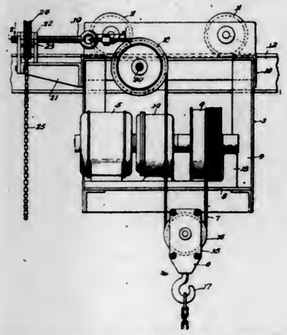
1. The process which comprises polymerizing a material selected from the group consisting of rosin and rosin esters by treatment with a chloride of a metal capable of forming an amphoteric hydroxide under conditions which bring about a substantial increase in the melting point of said material, and washing the reaction mixture with an aqueous acid capable of forming a water soluble salt with the metal of said chloride.

2,343,640

HOIST

Arthur J. Brown, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application November 27, 1942, Serial No. 467,100
3 Claims. (Cl. 254—168)



2. A hoist comprising an overhead supporting structure having mounted thereon a lug with a horizontal aperture therethrough, and in addition a vertical sheave adjacent the lug, a drum rotatably mounted on the structure, a prime mover on said structure for driving the drum in either direction, a load carrying block beneath the drum, a cable arranged to form a depending loop with the bottom portion thereof reeved through the block, and having one end thereof attached to and wound around the drum and its other end trained over the sheave, and means for anchoring said other end of the cable while at the same time permitting it to be minutely taken up or paid out for block and load adjusting purposes, comprising an elongated horizontally disposed externally threaded element connected to said other end of the cable and extending through the aperture in the lug, a nut mounted on the element and disposed adjacent the side of said lug that is remote from the sheave, a vertically extending pulley fixed to the nut, and a vertically elongated, flexible, endless element having the upper end thereof trained around the pulley, and adapted to be manually pulled in order to effect rotation of the pulley and nut.

2,343,641

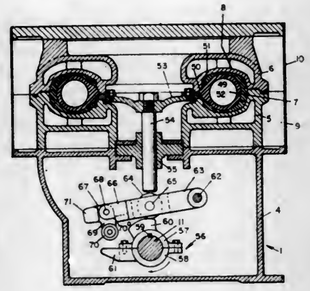
VULCANIZER

James W. Brundage, Akron, Ohio, assignor, by mesne assignments, to The McNeil Machine and Engineering Company, Akron, Ohio, a corporation of Ohio

Application August 25, 1939, Serial No. 291,914
10 Claims. (Cl. 18—17)

9. A vulcanizer press for pneumatic tires of the type cured on a curing bag which extends inwardly of the bead of the tire, comprising a pair of cooperating mold elements, a stripper ring separable from one of said mold elements and so formed that when positioned thereon it provides only that area of the curing chamber wall which is engaged by that portion of said curing bag

which extends inwardly of the bead of the tire, means for relatively moving said mold elements apart by a lateral shifting and separating movement such that the cured article in the press is gripped at opposite sides respectively by said respective mold elements, means movable with one of said mold elements upon initial separation of said mold elements into engagement with the



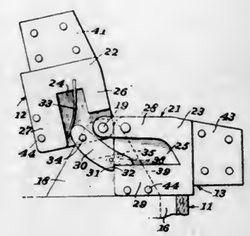
cured tire to separate the same from the other mold element, means functionally responsive to the initial stage of opening movement of the press for moving said stripper ring off from its associated mold element, said stripper ring being returnable after such movement to its position on said mold element for the remainder of the opening movement and until the press is again reopened.

2,343,642

SOFA BED

Robert Allen Burton, High Point, N. C., assignor to Burton Upholstery Company, a corporation of North Carolina

Application December 2, 1942, Serial No. 467,633
11 Claims. (Cl. 5—37)



1. In a hinge for a sofa bed, a pair of pivotally connected hinge sections, each section including a block having a recessed portion cooperating with the other recessed portion to form a latch-receiving pocket, a latch pivotally mounted in one of the recessed portions and having one end extending into the other recessed portion, said last-mentioned recessed portion having a shoulder, said latch having a notch engageable with said shoulder to maintain the hinge sections in certain predetermined positions of adjustment, and means for disengaging the latch notch from the shoulder to permit movement of the hinge sections to other positions of adjustment, the free end of said latch being located in its respective pocket in all positions of said latch.

2,343,643

FERROUS ALLOY

Arthur T. Cape, Santa Cruz, Calif., and Charles V. Foerster, Canton, Ohio, assignors to Coast Metals, Inc., Canton, Ohio

No Drawing. Application July 16, 1942, Serial No. 451,204
9 Claims. (Cl. 75—128)

1. A weld rod for welding together plates of armor, said rod consisting of a ferrous alloy containing carbon in amounts of from about .50% to about 1.50%, and chromium and nickel in amounts of from about 3% to about 12% of each.

4. A weld deposit comprising a ferrous alloy consisting of carbon in amounts from about .50% to about 1.50%, and chromium and nickel in amounts of from about 3% to about 12% of each.

2,343,644

PROCEDURE FOR THE PREPARATION OF SUBSTANCES CONTAINING CONJUGATED DOUBLE BONDS

John D. Cawley, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application July 30, 1941, Serial No. 404,658
9 Claims. (Cl. 260—405.6)

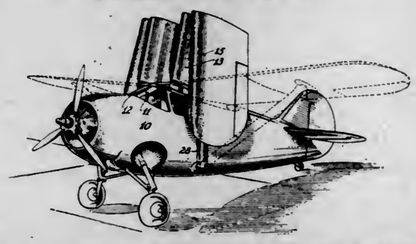
1. The process of causing conjugation of the double bonds in a fatty polyene substance containing unconjugated double bonds, which process comprises treating the polyene substance with an excess of a basic substance while in the presence of an ether of a polyhydric alcohol which contains a free hydroxyl group, under substantially anhydrous conditions and continuing the treatment until conjugation of double bonds in the polyene substance takes place.

2,343,645

FOLDING WING AIRPLANE

Ernest G. Dickinson, Olcott, and Samuel T. Payne, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware

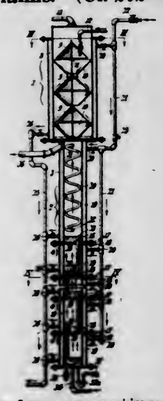
Application July 3, 1940, Serial No. 343,730
6 Claims. (Cl. 244—49)



1. In an aircraft including a body portion, a foldable wing extending from said body portion comprising a wing stub portion hinged to said body portion and a wing tip portion hinged to said stub portion, said hinge axes being directed substantially chordwise of said wing with said wing stub portion hinged for swinging movement to an elevated position and said wing tip portion being hinged for downward folding movement, an offset structure secured to and extending a substantial distance below the wing tip portion when said portion is in its normal extended position, and a strut hinged at one end to said body portion at a point below the hinge connection of said wing stub portion with said body portion and hinged at its other end to said offset structure, said wing being foldable to a position

in which the wing stub portion is elevated substantially less than to a vertical position and the hinge connection between said strut and offset structure is disposed inwardly of a line through the hinge between the strut and body portion and the hinge between the wing tip and wing stub portions, whereby the weight of the wing portions can hold the wing in said folded position.

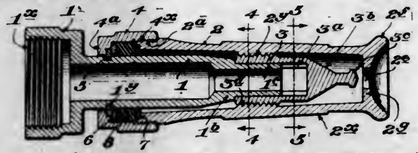
2,343,646
STILL
Clarence F. Dinley, Detroit, Mich., assignor to Detroit Rex Products Company, Detroit, Mich., a corporation of Michigan
Application September 27, 1941, Serial No. 412,548
8 Claims. (Cl. 202—155)



1. In a still for separating volatile solvent from miscella containing soya bean oil or the like, a heated evaporator or flashing chamber; a top outlet through which vapors are free to escape with attendant maintenance of the interior of the evaporator substantially at atmospheric pressure; a restricted orifice through which preheated miscella is introduced into the top of the evaporator under pressure and relatively high velocity; baffle means compelling devious flow of the miscella in a thin film incident to gravitation in the evaporator, whereby, as a consequence of pressure drop and under the latent heat in the miscella, most of the entrained solvent is rapidly driven off in vapor form; a heated stripper beneath the evaporator; fluid sealed passage means by way of which the partially treated miscella is continuously conducted from the bottom of the evaporator into the top of the stripper for dispersion within the latter, said fluid sealed passage means being the only connection means between the evaporator and the stripper; an orifice through which a dry hot inert gaseous medium is introduced under pressure into the bottom of the stripper for upward discharge therein to vaporize any remaining volatiles from the liquid; a separate outlet for the vapors at the top of the stripper; and a fluid seal drain for the purified oil collecting in the bottom of the stripper.

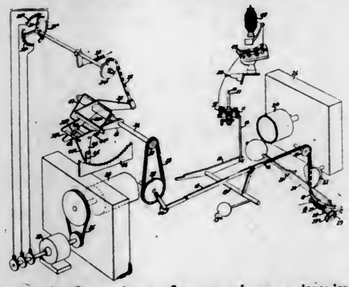
2,343,647
HOSE NOZZLE
Ray Doerr, Battle Creek, Mich., assignor to H. B. Sherman Manufacturing Co., Battle Creek, Mich., a corporation of Michigan
Application September 22, 1941, Serial No. 411,916
4 Claims. (Cl. 299—131)

1. A hose nozzle comprising a combined base and spindle; a head having a bore telescopically receiving the end of the spindle, said head having openings communicating with said bore; the outer end of the head being conically shaped and terminating in a valve; a sleeve around the spindle and head having an outer end wall provided with an aperture cooperating with the valve; a packing nut having a threaded engagement with the inner end of the sleeve, and having



an internal annular flange closely fitting the spindle; an annular packing ring within the nut around the spindle interposed between the internal annular flange and adjacent end of the sleeve; means for preventing axial movement of the sleeve on the spindle; means for maintaining the head against rotation; and interengaging threads on the sleeve and head, whereby rotation of the sleeve will move the head axially of the spindle.

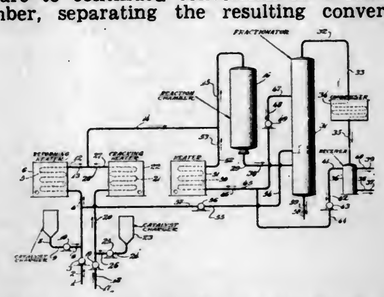
2,343,648
CONTROL SYSTEM
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 2, 1942, Serial No. 464,220
4 Claims. (Cl. 57—94)



1. A control system for a ring spinning machine comprising an electric driving motor at one end of said machine, a member extending lengthwise of the machine for effecting relative oscillation of the ring rail and spindle, a builder mechanism at the opposite end of the frame for reciprocating said member between progressively varying limits of travel, a rheostat mounted at said one end of said frame with said motor for controlling the speed of said motor, means for varying the speed of said motor in accordance with the progressively increasing diameter of the bobbin comprising mechanical connections between said reciprocating member and said rheostat including a pawl and tooth device responsive to a plurality of reciprocations of said member for advancing said pawl one tooth, and means controlled by the advance of said pawls for varying said rheostat.

2,343,649
CONVERSION OF HYDROCARBONS
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 31, 1940, Serial No. 348,964
4 Claims. (Cl. 196—52)

1. A process for the conversion of hydrocarbon oil which comprises subjecting a naphtha to catalytic reforming in the presence of a powdered dehydrogenating catalyst suspended therein, subjecting a gas oil to catalytic cracking in the presence of a powdered cracking catalyst suspended therein, combining conversion products containing the catalysts from both steps, subjecting the mixture to continued conversion in a reaction chamber, separating the resulting conversion



products into liquid residue containing the catalysts and cracked vapors, fractionating said cracked vapors to form light and heavy reflux condensates, recovering the fractionated vapors, returning the heavy reflux condensate to the reforming step, thermally cracking said light reflux condensate, and supplying cracked products from the thermal cracking step to said reaction chamber.

2,343,650
PHOTOGRAPHIC EMULSION
George E. Fallesen, United States Army, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 30, 1942, Serial No. 463,898
2 Claims. (Cl. 95—7)

1. In the method of preparing a photographic peptization emulsion, the steps which comprise precipitating silver halide in water, cooling the aqueous precipitate, and mixing it with a hot pectin solution while maintaining the pH below 7.

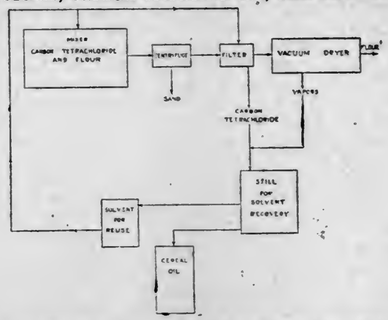
2,343,651
CLEANSING AND POLISHING MEDIUM FOR DENTIFRICES OR THE LIKE
George T. Fielding, Stamford, Conn.
Application November 29, 1941, Serial No. 420,913
4 Claims. (Cl. 167—93)



3. A dentifrice containing hard wood particles, the dimension of the major portion of which across the grain is greater than that with the grain the faces of the major portion of the particles across the grain lying in substantially parallel planes, a face with the grain joining a face across the grain at an abrupt angle forming a scraping edge, and a detergent.

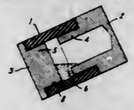
2,343,652
TREATING WHEATEN FLOUR
Glenn E. Findley, Dallas, Tex., assignor to Tex-O-Kan Flour Mills Company, Dallas, Tex., a corporation of Delaware
Application October 16, 1939, Serial No. 299,740
3 Claims. (Cl. 99—93)

3. The process of improving wheaten flour comprising mixing therewith a liquid chlorinated hydrocarbon selected from the following group: chloroform, carbon tetrachloride, and submitting



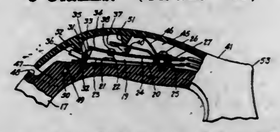
the mixture to centrifugal action to separate earthy impurities and to form a magma of the chlorinated hydrocarbon with the flour particles.

2,343,653
MERCURY SWITCH
Victor L. Finizio, Hoboken, N. J., assignor to General Electric Company, a corporation of New York
Application October 16, 1941, Serial No. 415,203
4 Claims. (Cl. 200—152)



1. In a mercury switch, the combination of an insulating sleeve, a metallic tube closed at one end and having the other end thereof fitted into one end of the said sleeve to provide a first electrode for the switch, a metallic cap having a portion thereof fitted into the opposite end of the sleeve and extending into proximity with the said tube to provide the other electrode of the switch, said tube and said cap each having an enlarged portion providing a shoulder which abuts against the corresponding extremity of the insulating sleeve, and a mass of mercury movable in said tube and sleeve to open and close the circuit through said switch, the opposed surfaces of said cap and the end of said tube forming between them an annular well in which said mercury is retained when the switch is in closed-circuit position.

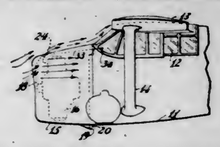
2,343,654
SAFETY SWITCHING ARRANGEMENT FOR ELECTRICALLY HEATED APPLIANCES
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application December 16, 1941, Serial No. 423,170
3 Claims. (Cl. 219—25)



3. In an electric flatiron and the like provided with a handle and a heating element, a thermally actuated safety switch comprising a bimetallic thermostat and a switch arm, the thermostat and switch arm having fixed ends and their other ends free to move, a first set of co-

operating contacts carried by said free ends, an energizing circuit for said heating element established by said contacts when closed and including said thermostat and switch arm, whereby when said circuit is established said thermostat is heated by the passage of current through it to open said contacts and disrupt said circuit, releasable holding means for holding said thermostat in its position to hold said contacts open, a second switch arm having one end fixed and its other end free to move, a second set of cooperating contacts on the free end of said second switch arm and the free end of said thermostat, an energizing circuit for said heating element established by said first and second set of cooperating contacts when closed including said switch arms and shorting said thermostat, means biasing said second switch to open said second set of contacts, and manually operable means associated with said handle constructed and arranged to operate said second switch to close said second set of contacts, and also to operate said holding means to release said thermostat to close said first set of contacts.

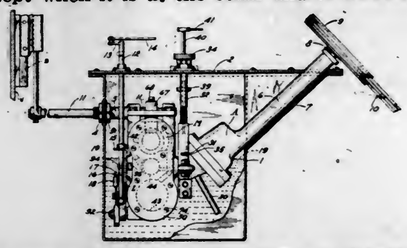
2,343,655
COWLING
Fredric E. Flader, Kenmore, and Donovan R. Berlin, Eggertsville, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application August 22, 1941, Serial No. 407,895
3 Claims. (Cl. 244—130)



1. In an aircraft, an annular cowling enclosing the aircraft engine and having a trailing edge forming a substantially streamlined continuation of the profile of the adjacent portion of the aircraft body, a protuberance on said aircraft on one side of said cowling and rearward thereof, said cowling having an abruptly inturned leading edge portion defining an air entrance opening and having a circumferetially extending slot formed therein rearward of its leading edge, forwardly of said engine and substantially limited to the same side of said cowling as said protuberance, said slot permitting outflow therethrough of a portion of the air entering said opening and being shaped to direct said outflowing air over the outer surface of said cowling in front of said protuberance, and an air exit opening rearward of said engine.

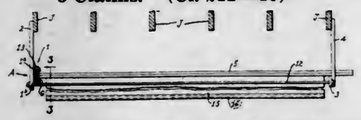
2,343,656
FLUID PRESSURE ACTUATED MOTOR
Frederick G. Folberth and William M. Folberth, Cleveland, Ohio
Application March 6, 1941, Serial No. 382,040
13 Claims. (Cl. 15—253)

1. In a fluid pressure actuated motor of the type described, a main cylinder, a drive piston in said main cylinder, a delay cylinder, a delay piston in said delay cylinder, means, including a valve, for supplying fluid under pressure to said main cylinder, a pair of fluid conducting connections extending from said main cylinder to said delay cylinder, the main cylinder end of one of said connections being positioned to be closed by said drive piston except when said drive piston is at one end of its stroke and the main cylinder end of the other of said connections being positioned to be closed by said drive piston except when it is at the other end of its stroke,



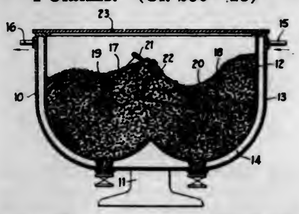
and means, including a pilot valve mechanically actuated through a lost motion connection by movement of said delay piston, for operating said valve to impart reciprocating motion to said drive piston.

2,343,657
DRYING RACK
Charles Adin Fox, Oakland Village, Mo.
Application December 10, 1942, Serial No. 468,463
5 Claims. (Cl. 211—46)



2. A drying rack for laundered articles including a trackway having opposed channels, a plurality of heads supported by said trackway for guided sliding movement longitudinally thereof with portions of said heads slidingly disposed in said channels, each of said heads having an opening formed therethrough, a plurality of horizontal bars each one of which is associated with one of said heads with an end portion of each bar extended through the opening of its associated head, a vertically disposed pivot pin associated with each associated head and bar so that said pivot pin engages portions of said head and a portion of said bar to provide for pivotal movement of said bar with respect to said head, and a supporting member spaced from said trackway for supporting said bars for sliding movement longitudinally thereof.

2,343,658
THERMOPLASTIC DECORATIVE COMPOSITION AND PROCESS OF PREPARATION
William M. Gearhart, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 18, 1939, Serial No. 305,156
4 Claims. (Cl. 260—13)



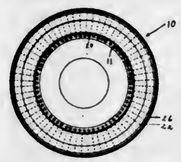
1. The process of forming a decorative thermoplastic molding material having a nacreous appearance which consists in mixing a synthetic thermoplastic resin having limited compatibility in cellulose organic acid esters with a cellulose organic acid ester and plasticizer, the amount of the resin being in excess of the maximum solubility of the resin in the plasticized ester whereby a nonhomogeneous mixture is produced resulting in a composition which when molded under heat and pressure presents a nacreous appearance.

2,343,659
LINING FOR TEXTILE SHUTTLES
Seymour Gerson, Morristown, Tenn.
Application December 7, 1942, Serial No. 468,131
3 Claims. (Cl. 139—213)



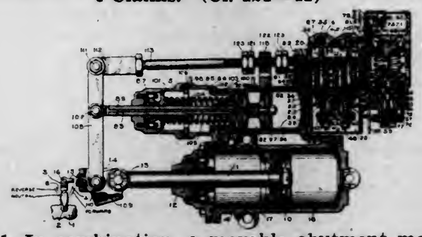
1. In combination with a shuttle having a bobbin chamber and a bobbin carrying yarn mounted therein; a lining for the chamber comprising a fabric base secured to each of the side walls of the bobbin chamber, and a pile carried by the base for contact with the yarn on the bobbin, said pile being provided with a central longitudinally extending groove to prevent bulkiness when the pile is in contact with the yarn.

2,343,660
TIRE
Vincent J. Giuseffi, West Orange, N. J.
Application August 3, 1942, Serial No. 453,365
2 Claims. (Cl. 152—293)



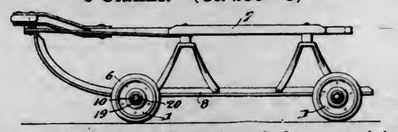
1. In the combination with a wheel including a rim of a plurality of closed spring metal collars, each collar being a section of an annular hollow tube, with the sides of each section being on the radius through the center of the tube, each section having a plurality of slots through each edge thereof, a pair of lugs secured to said collar and diametrically disposed with respect to each other, a compression coiled spring in said collar, the ends of said spring secured to said lugs, bolts extending through openings in said rim and securing said collars to said rim, a rubber tread element mounted on said collars, locking means extending from said tread element and through said slots.

2,343,661
FLUID PRESSURE MOTOR
William H. Glass, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 31, 1943, Serial No. 481,194
6 Claims. (Cl. 121—41)



1. In combination, a movable abutment movable by pressure of fluid in a chamber, valve means operable to supply fluid under pressure to said chamber, a valve device arranged to control said supply of fluid under pressure to said chamber and operable to cut off such supply and to vent fluid under pressure from said chamber, actuating means operable upon movement relative to said abutment to effect operation of said valve means and upon further movement to a certain position to effect operation of said valve device, control means connecting said actuating means to said valve means and abutment providing for movement of said actuating means relative to said abutment to effect operation of said valve means, and adjustable means included in said control means operable to limit movement of said actuating means relative to said abutment to a degree for effecting operation of said valve means and then providing for further movement of said actuating means with said abutment, and adjustable to provide for said actuating means obtaining said certain position in a chosen position of said abutment.

2,343,662
ATTACHABLE WHEEL FOR SLEDS
Lawrence Vincent Goff, Canton, Ohio
Application December 31, 1941, Serial No. 425,221
6 Claims. (Cl. 280—8)

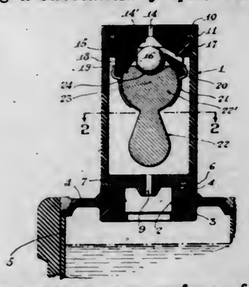


1. An attachable wheel for sleds comprising a wheel having a bearing opening, a bearing sleeve provided at one end with a transverse groove and having a bearing portion on which the wheel is revolubly mounted, a mounting bolt externally screw threaded at one end and provided with a head at its opposite end having a transverse groove, said bolt being fitted through said bearing sleeve with the groove thereof in opposed relation to the groove of the bearing sleeve, and a clamp nut turned onto the threaded end of said bolt.

2,343,663
NONSPILL VENT MEANS
Alan F. C. Gregory, Belleville, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application March 26, 1942, Serial No. 436,234
4 Claims. (Cl. 137—139)

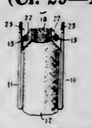
1. Non-spill vent means for a battery cell comprising a wall provided with a vent, a pendulum

weight universally supported for movement about a predetermined point below said vent, said weight having a concavity in the top portion thereof forming a cam surface, and a valve member having a substantially spherical surface en-



gaging the concave cam surface of said weight, said valve member being cammed by said surface to close said vent in response to a movement of said pendulum weight out of a predetermined position relative to said wall about said predetermined point as a center.

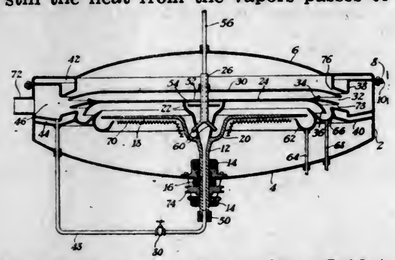
2,343,664
ATTACHMENT PLUG
Myron G. Heiser and Wheeler C. Gilbert, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application April 25, 1941, Serial No. 390,360
2 Claims. (Cl. 29—155.55)



1. The method of manufacturing an attachment cap comprising severing the end of an electric cord having two axially spaced insulated conductors to provide a flat surface exposing the end faces of the conductors, forming a contact prong at one end with an angularly offset portion having an opening therein, placing two such contact prongs in inverted position alongside diametrically opposite portions of the severed end of the cord with the angularly extending portion of the contact prongs facing each other and each overlying the flat severed end of a conductor, moving the angularly extending portion of the contact prongs into engagement with the flat severed end of the cord and compressing the insulation to force bared end portions of the conductors upwardly through the respective openings, and then soldering the bared end portions of the conductors to the respective contact prongs.

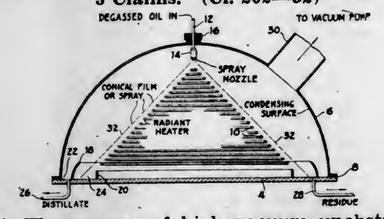
2,343,665
VACUUM APPARATUS
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application February 26, 1941, Serial No. 380,684
In Great Britain April 5, 1940
7 Claims. (Cl. 202—205)

1. Vacuum distillation apparatus comprising in combination a vaporizing surface, a condensing surface, means for introducing distilland onto the vaporizing surface, means for removing undistilled residue from the vaporizing surface, means for removing distillate from the condensing surface, a jet pump means for bringing the working fluid of the evacuating jet pump the intake side of which communicates with the still and the space between the vaporizing and condensing surfaces into thermal contact with the distilling vapors, whereby during operation of the still the heat from the vapors passes to the



working fluid causing the working fluid to be converted into vapors which pass through the jet pump and thus entrain and remove gases from the still.

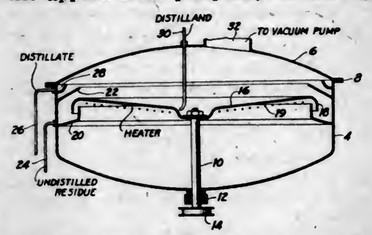
2,343,666
VACUUM DISTILLATION PROCEDURE
Kenneth C. D. Hickman and John C. Hecker, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application July 26, 1941, Serial No. 404,226
3 Claims. (Cl. 202—52)



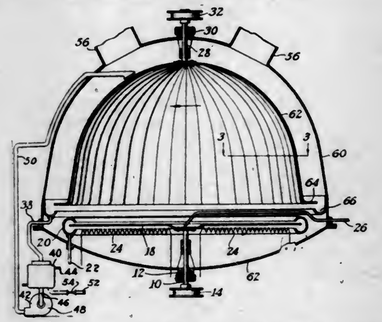
1. The process of high vacuum unobstructed path distillation which comprises passing distilland, in the form of a substantially continuous, physically unsupported film, between, and in spaced relation to, a radiant heater and a condensing surface which heater and surface are separated from each other by substantially unobstructed space, evacuating the space between the radiant heater and the condensing surface, heating the film of distilland to distillation temperature substantially entirely by radiant heat from the radiant heater, condensing the vapors thus formed on the condensing surface and removing condensate and unvaporized distilland from the evacuated space.

2,343,667
CENTRIFUGAL STILL
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application September 17, 1941, Serial No. 411,187
3 Claims. (Cl. 202—205)

1. Centrifugal high vacuum distillation apparatus comprising in combination a rotatable vaporizing surface over which distilland is caused to flow in a thin film by centrifugal force, a condensing surface so positioned that there is a substantially unobstructed path for the passage of distilling vapors from the rotatable vaporizing surface to the condensing surface, said vaporizing surface being spun from sheet metal whereby distortion and its ill effects due to temperature changes, centrifugal force, and the like, are substantially eliminated, means for heating the vaporizing surface, means for introducing distilland onto the approximate center of the vaporizing surface, means for collecting undistilled residue from the approximate periphery of the vaporizing surface, means for cooling the condensing surface, and means for removing condensate from the condensing surface.



2,343,668
HIGH VACUUM STILL
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application March 4, 1942, Serial No. 433,337
10 Claims. (Cl. 202—205)

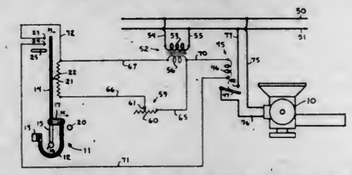


1. High vacuum distillation apparatus comprising a rotatable vaporizing surface, a rotatable condensing surface separated from the vaporizing surface by substantially unobstructed space, means for heating the vaporizing surface, a cooler for condensate positioned so that the condensing surface is between said cooler and the vaporizing surface, slots in the condensing surface so positioned that during rotation of the condensing surface the condensate is transferred to the side of the condensing surface opposite to the vaporizing surface and thence flung to the adjacent cooler and means for returning at least part of the cool condensate to the condensing surface.

2,343,669
METHOD OF STABILIZING MIXED FATTY ACID ESTERS OF CELLULOSE OF THE TRIESTER TYPE
William B. Hincke and John Waterman, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 6, 1942, Serial No. 441,992
9 Claims. (Cl. 260—230)

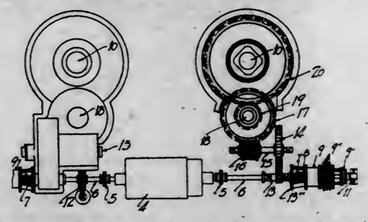
1. A method of stabilizing a mixed fatty acid ester of cellulose of the triester type the acyl of which essentially consists of fatty acid radicals of 2–4 carbon atoms while in solution in the reaction mixture in which it was prepared, which mixture contains sulfuric acid catalyst, which comprises adding to the mass sufficient aqueous lower fatty acid to destroy the anhydride present without throwing the ester out of solution, which acid contains an alkaline alkali metal salt in an amount sufficient to only partially neutralize the mineral acid catalyst present, and maintaining the mass at a temperature of at least 110° F. but insufficient to cause chemical degradation of the cellulose ester for approximately 20 minutes to 1 hour so as to remove the combined mineral acid from the cellulose ester.

2,343,670
STOKER CONTROL
Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 31, 1940, Serial No. 363,723
7 Claims. (Cl. 236—46)



1. An intermittently operable switch comprising in combination, a base having a pivot, an elongated bimetal pivoted adjacent one end thereon, a movable contact on the other end of said bimetal, a stationary contact cooperable with said movable contact, said contacts being closed upon movement of said bimetal in cooling direction and opened when said bimetal is heated; a magnet adjacent said contacts to render them snap acting and to establish a temperature differential between opening and closing operations; a heater for said bimetal, said heater being controlled by said contacts so as to supply a higher degree of heat to said bimetal when said contacts are closed than when they are opened; an ambient temperature responsive thermostat secured at one end, the second end thereof being free to move upon temperature changes, a link connecting said second end to said bimetal whereby said thermostat may adjust the position of said bimetal to vary the operation thereof, and to a stop to prevent said thermostat from varying the position of said bimetal beyond a predetermined position.

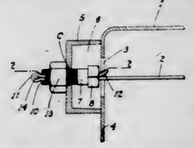
2,343,671
SCREW-DOWN MECHANISM FOR ROLLING MILLS
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application January 28, 1941, Serial No. 376,366
15 Claims. (Cl. 80—56)



1. In a screw down device for a mill having a pair of screws, a driving motor, continuously effective mechanical connections between said motor and each of said screws, at least one of said

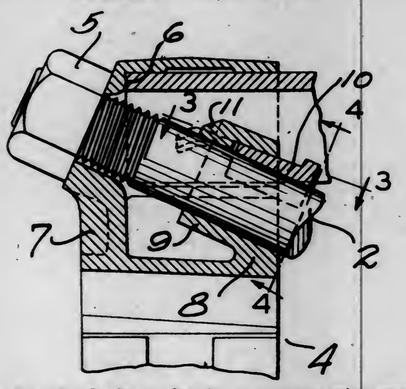
connections comprising a separately excitable motor having relatively movable parts each of which is included in said connection, said motor being operable independently of said main driving motor to drive one of said screws.

2,343,672
WIRE TENSIONING UNIT
Loiell L. Hyler, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Original application April 21, 1942, Serial No. 439,853. Divided and this application June 16, 1943, Serial No. 491,065
3 Claims. (Cl. 24—68)



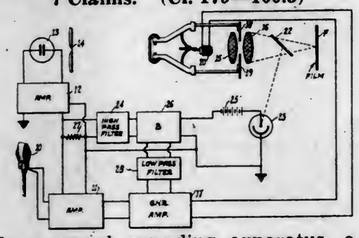
1. An adjustable wire tensioning unit adapted to be connected between a support and one end of a wire, said unit comprising a screw substantially longitudinally alined with the wire, a support having an opening through which the screw projects, the screw having a longitudinal bore therethrough, an adjacent end portion of a wire extending through the bore and being looped beyond the outer end of the screw to form an eye whereby said eye prevents retraction of the wire through said bore, and an adjustment nut threaded on the screw and engaging the side of the support opposite said wire; there being a relatively short cross pin projecting through and frictionally supported in said eye.

2,343,673
BRAKE BEAM STRUCTURE
Louis Kadar, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application September 21, 1942, Serial No. 459,105
16 Claims. (Cl. 188—219)



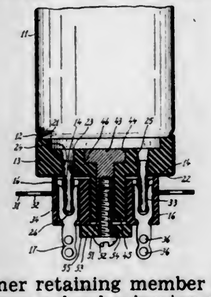
1. In a brake beam having a compression member, a brake head member seated thereon, a tension member extending through said head member, and a device seated against the outer face of the outer side of the head member and engaging the end portion of the tension member to hold the members assembled, the head member having a sleeve-like part extending inwardly from its inner side and substantially surrounding a part of the tension member spaced from the holding device, the inner end of the sleeve-like part terminating at a point spaced from the outer side of the brake head member, a wedge-like key inserted between the opposing faces of said parts, and means for splitting the inner end of the key and spreading its split portions laterally and about the tension member to resist withdrawal of the key.

2,343,674
SOUND RECORDING
Edward W. Kellogg, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1942, Serial No. 445,038
7 Claims. (Cl. 179—100.3)



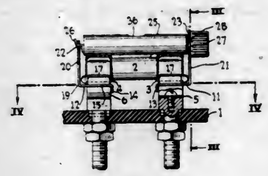
1. In a sound recording apparatus, a light source, electrical means for varying the brightness of the light source in accordance with sounds to be recorded, means for varying the average amount of light transmitted from said source to a record medium in accordance with the average amplitude of the sounds to be recorded, and means for maintaining the average power of said light source at a substantially constant value.

2,343,675
PLUG-IN TRANSFORMER
Franklin P. Kenyon, New York, N. Y.
Application January 6, 1941, Serial No. 373,335
1 Claim. (Cl. 175—361)



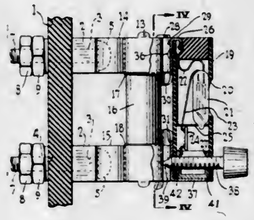
A transformer retaining member comprising a metallic casing member having top and side walls and a base, connecting prongs extended from said base, leads within the container interconecting the transformer coils and said prongs; a socket having a plurality of circuit connecting means each individually engageable with a prong; means on the base of said transformer and means in said socket for positioning said transformer prongs in said socket with selected prongs interengaged with selected circuit connecting means, and additional means for securing said transformer container to said socket, said additional means comprising a threaded opening in said positioning means in the base of said container, a corresponding opening in said socket, a screw insertable through said opening in the socket and engageable with the threaded opening in the base of the container, and a washer on said screw engageable with the portion of the socket opposite the base of the container.

2,343,676
FUSE
Frank C. La Mar, Tucson, Ariz.
Application July 23, 1942, Serial No. 451,996
7 Claims. (Cl. 200—134)



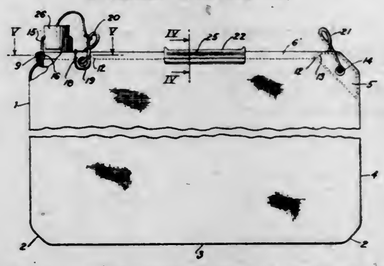
1. A combined fuse indicator support and fuse clip clamp including, in combination: two spaced substantially U-shaped clips, the legs of each formed for a portion of their length into an arc of a circle; hollow rectangular bodies each adapted to be passed over the free ends of the legs; said rectangular bodies each provided with upturned opposite edges, each adapted to rest upon a leg on the outside opposite about the beginning of the said arc whereby the leg is stiffened; each leg being reversely curved just beyond the rectangular body toward the base preventing downward movement of the rectangular body and means attached to each rectangular body extending upwardly toward the free ends of the clips whereby a fuse indicator may be supported.

2,343,677
FUSE
Frank C. La Mar, Tucson, Ariz.
Application November 21, 1942, Serial No. 466,389
1 Claim. (Cl. 200—134)



A lock for a fuse clip of the form including flared upper ends used in pairs for supporting a fuse at each end thereof, including, in combination: two stretcher members, each stretcher member positioned over and adapted to extend across the upper end of a fuse clip from one flared upper end to the other, each stretcher member formed with bent over portions at either side and each bent over portion lying substantially parallel and on the outer side of its adjacent flared upper end; a tube extending substantially from the extreme end of one stretcher member to substantially the extreme end of the other stretcher member; a metallic thimble in one end of the tube, said thimble having screw threaded bores in each of the opposite walls in alinement; a screw threaded rod extending through the screw threaded said bores in the screw threaded thimble and extending through the adjacent stretcher member, said stretcher member being formed with an orifice therefor, said screw threaded rod adapted to bear upon the metallic ferrule at the end of a cartridge fuse in the clips, said screw threaded rod provided with means for screwing said rod firmly against said ferrule.

2,343,678
CLOSURE FOR BAGS
Dennis F. Larkin, San Francisco, Calif.
Substituted for abandoned application Serial No. 326,283, March 27, 1940. This application July 6, 1943, Serial No. 493,676
1 Claim. (Cl. 150—6)



A closure for bags including a strip of fabric having a tubular edge and folded back upon itself into substantially U shape with the legs of the U secured together at their ends; a wire in the shape of a bulging loop in the tubular edge of said strip at the bend of the U, and having parallel end portions projecting a short distance into the tubular edge of the legs of said U shaped strip; a spout confined within the fabric covered loop of the wire and having an outwardly projecting rib at the juncture of the loop and said end portion of said wire; a clip clamped over said wire end portions adjacent said rib; substantially rigid longitudinal members in said tubular leg portions of said U shaped strip, said members being spaced from one another and from the end portions of said wire; and a clamp slidably engaging the tubular legs of said U shaped strip.

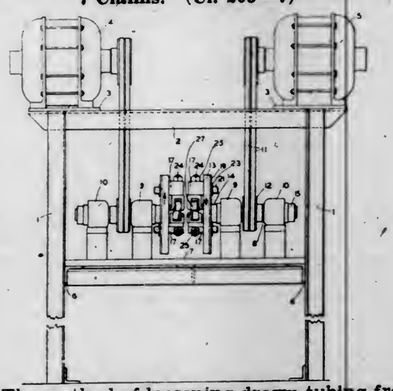
2,343,679
MESSAGE HOLDER FOR USE WITH HOMING PIGEONS
Irving S. Lermer, Newark, N. J., assignor to Celluplastic Corporation, Newark, N. J., a corporation of New Jersey
Application October 27, 1942, Serial No. 463,568
1 Claim. (Cl. 224—28)



In a message holding device for use with homing pigeons, a clamp made of resilient material, said clamp having the configuration of a longitudinally slit tube adapted to be positioned on and to frictionally embrace the leg of the pigeon to which the device is to be secured, a message receptacle element secured to the back of said clamp, a flexible tape secured, at one end, to said clamp adjacent the longitudinal slit thereof, then wound back and secured along one side of said clamp, around the receptable and along the other side of the clamp, leaving the other end of said tape to depend freely from the other edge of said slit, to be manually wound across the longitudi-

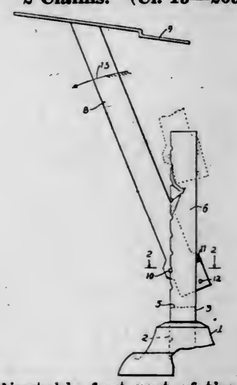
nal slit and around the side of the clamp opposite that from which the tape depends to close the clamp around the leg, and complementary means on said device and on the free end of said tape for removably securing the tape to said element.

2,343,680
TUBE DRAWING APPARATUS
Emil Linderme, Sr., Shaker Heights, Ohio, assignor to The Linderme Tube Company, Euclid, Ohio, a corporation of Ohio
Application April 22, 1942, Serial No. 440,013
7 Claims. (Cl. 205—7)



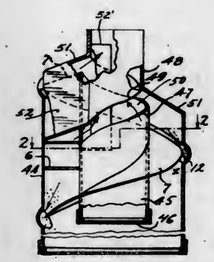
1. The method of loosening drawn tubing from a mandrel, which method consists in subjecting the tubing to a series of rollers passing circumferentially about the tubing under pressure to decrease the thickness of the wall and partially release the tubing from the mandrel, and then subjecting the tubing to a second rolling operation in which the rollers move in an opposite direction to the first-named rollers and completely loosen the tubing from the mandrel, the rollers being disposed with their axes at an angle of less than 90° to a plane normal to the axes of the tubing and mandrel.

2,343,681
ADJUSTABLE FOOTREST
Anthony F. Lo Curto, near San Jose, Calif.
Application June 17, 1943, Serial No. 491,239
2 Claims. (Cl. 15—265)



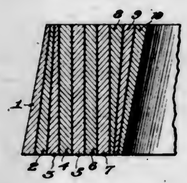
2. An adjustable foot rest of the character described comprising, a rigid vertically disposed supporting bar having a slot formed therethrough extending from the top thereof downwardly to a point adjacent the bottom thereof parallel with its sides, and having a series of sockets formed in one edge thereof and extending laterally on both sides of said slot, and a lever proportioned to slidably engage said slot and having pins disposed laterally in one end and extending from both sides of said lever and a foot plate mounted on the other end of said lever, two of said pins being disposed at opposite edges of said lever and spaced apart slightly more than the width of said bar, one of said pins being disposed to removably seat in one of said sockets and the other to seat against the bar on the edge opposite to said sockets.

2,343,682
HELICAL CENTRIFUGAL SEPARATOR
Howard McCurdy, Walnut Park, Calif.
Original application November 14, 1938, Serial No. 240,357. Divided and this application December 18, 1940, Serial No. 370,735
3 Claims. (Cl. 183—88)



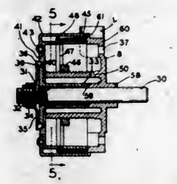
1. A separator of the centrifugal class including a vertical, cylindrical shell and an inner, coaxial cylinder having a helical top edge, a helical ramp between the shell and the cylinder, a second and smaller, inner cylinder coaxial with the shell and having a lower, helical edge complementary to and higher than the helical edge of the first cylinder, and a helical ceiling between the shell and the second cylinder and similar in direction to the helical ramp.

2,343,683
LAMINATED BOAT RIB AND METHOD OF MAKING SAME
Edgar Boone McGlone, Pine Bluff, Ark.
Application September 13, 1943, Serial No. 502,214
12 Claims. (Cl. 114—82)



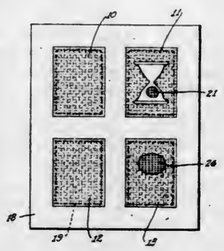
1. A laminated boat rib, comprising a plurality of wooden laminae conforming with the curvature of a section of a boat hull and secured together by waterproof cement; some of the laminations having a preformed bevel to cause the outer face of the assembled rib to conform directly with the fore-and-aft curvature of the hull at said section.

2,343,684
ANTENNA
Arthur T. Mace, East Cleveland, Ohio, assignor to The Radiart Corporation, Cleveland, Ohio, a corporation of Ohio
Application July 5, 1941, Serial No. 401,174
6 Claims. (Cl. 254—176)



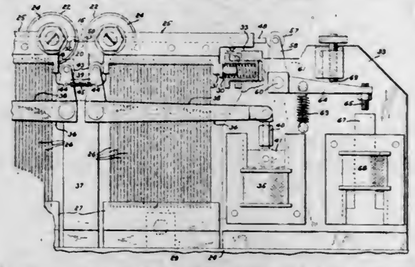
1. In an antenna unit in combination an aerial, a cable connected to said aerial, mechanism for alternately extending and retracting said aerial while coiling and uncoiling said cable, said mechanism comprising a stationary body casting, a threaded sleeve extending from said body casting, a wheel-shaped member having a threaded hub for engagement with said threaded sleeve, two reel forming drums coaxially mounted with said threaded sleeve and enclosing between them a cylindrical space for receiving the cable upon coiling thereof, one of said drums having slots to receive the spokes of said wheel-shaped member, a rim on said wheel-shaped member adapted to serve as a support and positive guide for said cable while it is uncoiled and coiled, and power means operatively connected to said reel forming drums for driving the same.

2,343,685
METHOD OF PREPARING PRINTING SURFACES
Robert MacKay, Cook County, Ill., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y., a corporation of New York
Application August 9, 1941, Serial No. 406,237
4 Claims. (Cl. 95—5.1)



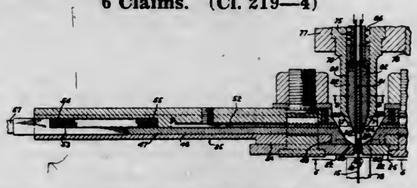
1. The method of preparing printing surfaces formed to reproduce desired subject matter in a desired size, comprising preparing a set of transparent photographic color separation prints of the subject matter, preparing a layout of the print, forming a transparent photographic print of the layout in which the area corresponding to the desired subject matter is opaque and of the correct size, exposing each color separation print on a separate carbon tissue and exposing said photographic print of the layout in succession on said carbon tissues whereby the photographic print of the layout will trim the area of the subject matter to the desired size, and preparing a printing surface therefrom in a known fashion.

2,343,686
ELECTRIC WELDING MACHINE
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 4, 1942, Serial No. 457,243
9 Claims. (Cl. 219—4)



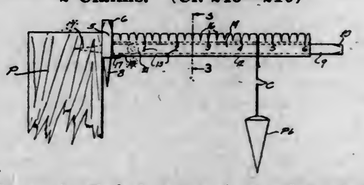
1. In an electric welding machine, a movable electrode, and a plurality of resilient electrical conducting elements for movably supporting and guiding said electrode and for conducting a welding current thereto.

2,343,687
ELECTRIC WELDING MACHINE
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application September 4, 1942, Serial No. 457,243. Divided and this application January 9, 1943, Serial No. 471,825
6 Claims. (Cl. 219—4)



1. In a contact welding machine, a pair of welding electrodes mounted for oscillatory movement toward and away from each other, means for positioning and supporting a switch spring between the two electrodes, means for advancing simultaneously and in spaced parallel relationship two continuous strips of contact metal to present the end portions thereof to opposite sides of the switch spring, and means for moving the electrodes toward each other to clamp the end portions of the contact metal strips to opposite sides of the switch spring.

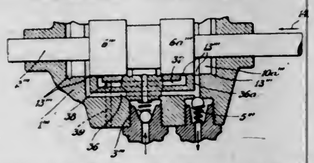
2,343,688
PLUMB BOB SUPPORT
William E. Maxey, East St. Louis, Ill.
Application August 15, 1942, Serial No. 455,013
2 Claims. (Cl. 248—216)



2. In a plumb bob support, an elongated arm having one end adapted for attachment to a support, said arm being half-round in cross section

with its flat side in a vertical plane, a tubular member slidably fitted on said arm, said member including a portion of semi-circular cross section and a flat longitudinal complementary strip confronting the flat side of the arm, said strip having an upper marginal portion projecting above the top of the semi-circular portion and provided with a multiplicity of notches spaced longitudinally of the tubular member to receive the cord of a plumb bob therein.

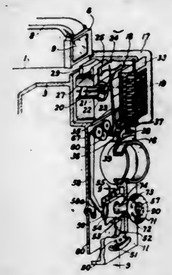
2,343,689
SLIDE VALVE
Jean Mercier, New York, N. Y.
Application July 23, 1942, Serial No. 452,085
5 Claims. (Cl. 251—76)



2. A slide valve for distribution of fluid to two hydraulic devices which comprises a valve casing, a cylinder bore in said casing, one inlet and one outlet port in said casing, each communicating with said cylinder bore, respectively, two distributing ports in said casing, each communicating with said cylinder bore, a movable valve element inside said casing having at least two piston-like portions slidably engaging the wall of said cylinder bore and at least three recessed portions forming at least two external and one central annular chambers inside said cylinder bore, said two external chambers communicating with each other through a passage, a second passage extending between two openings in said cylinder bore obstructed by said movable valve element when the latter is in its neutral position, means to connect said second mentioned passage to the outside, and means to control the position of said movable valve element from the outside, said movable valve element being adapted to afford, in its neutral position, communication between said inlet and outlet ports and said distributing ports and to restrict, when displaced from its neutral position, the communication between one of said distributing ports and said inlet port without affecting the communication between the former and said outlet port while also restricting the communication between said outlet port and said second distributing port without affecting the communication between the latter and said inlet port, and to afford, when further displaced from its neutral position, communication between said one distributing port and said second mentioned passage without affecting the condition of said second distributing port.

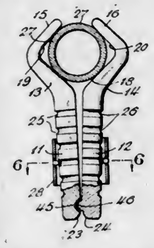
2,343,690
CAMERA EXPOSURE CONTROL
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 14, 1942, Serial No. 461,921
9 Claims. (Cl. 95—10)

2. An exposure indicating device for cameras comprising, in combination, a camera, an objective and diaphragm carried thereby, a ring constituting a setting member for operating the diaphragm, a shutter mechanism including a lever adapted to be moved to set the shutter speed and constituting a speed setting member, a pointer for indicating the combined setting of the diaphragm setting member and the speed setting member, and mechanism connecting the pointer and said members for moving the former by the latter, said mechanism including a slip clutch be-



tween the pointer and one member and epicyclic gearing between the pointer and the other member, and a film speed setting member having a connection with the shutter speed setting mechanism whereby the pointer may be also moved by said film speed setting member.

2,343,691
SIZE COMPENSATING ELEVATION POST
Samuel C. Miller, New York, N. Y.
Application October 17, 1941, Serial No. 415,350
7 Claims. (Cl. 248—50)

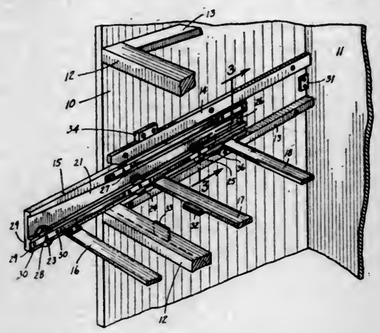


1. In an insulator elevation post for luminous tubes, a sectionalized segment comprising shank forming portion, having at one end thereof a seat or saddle forming portion and a shaped tube engaging finger to center and to compensate for the size of the tube whereby upon assembly of said complementary segments by holding means engaging the shank portion along its length the tube may be held in accordance with the diameter of the tube by a pair of said fingers complementarily positioned in contacting engagement, holding said tube in mounted position upon said seat or saddle and held against displacement by said fingers within a range of sizes having normal variations as a result of the tube forming operations.

2,343,692
FILING CABINET
John A. Miller, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application March 25, 1942, Serial No. 436,165
2 Claims. (Cl. 45—77)

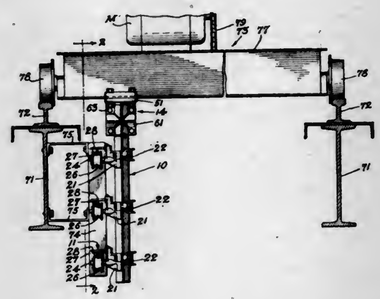
1. A filing cabinet having a pair of upper and lower tracks secured to each side thereof, a drawer movably supported between said tracks having a longitudinally extending rib on each side thereof, a drawer-supporting cradle in-

cluding a pair of wooden side rails movably restrained between said tracks, said rails being longitudinally grooved to receive the ribs of said drawer and provided with arcuate openings in



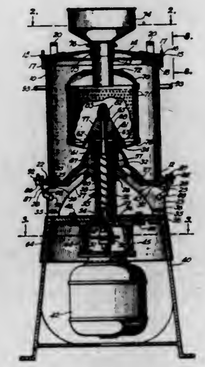
the lower and upper edges thereof, and a wooden roller rotatably mounted within each opening and being substantially of the thickness of said rails, a portion of each roller extending beyond the edge of its rail and into the groove thereof for rolling engagement with said tracks and drawer rib respectively.

2,343,693
CURRENT COLLECTING APPARATUS
George A. Mitchell, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application July 16, 1942, Serial No. 451,107
6 Claims. (Cl. 191—40)



2. A universal supporting structure for a collector pole having a series of contactors mounted thereon to cooperate with the wires of a runway conductor system, said supporting structure comprising, in combination, a rigid base, means operative to clamp said base detachably to the flange of a beam constituting a part of a crane or the like, a member rigid with said base projecting outwardly therefrom opposite the side engaging the beam, a second member adapted to be removably secured to said first member in face-to-face relation, and two pairs of registering grooves in the abutting faces of said members defining sockets adapted to receive and clamp the collector pole in a selected position, the grooves of the respective pairs being disposed substantially at right angles to each other and positioned so that the sockets are enabled to hold the pole either parallel or perpendicular to the beam to which said base is clamped.

2,343,694
BLOOD-SEPARATING MACHINE FOR SERUM PRODUCTION
Elisabeth E. Mitchum, Johnson County, Kans.
Application March 19, 1941, Serial No. 384,061
2 Claims. (Cl. 210—63)

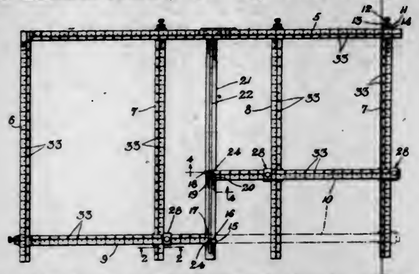


2. A blood-separating machine for serum operations, comprising an outer stationary receptacle having its bottom formed with a reentrant portion terminating in an upwardly projecting cylindrical collar, an upright bearing structure located within said collar and in spaced and concentric relation thereto, a vertical drive shaft supported by said bearing structure and projecting above said collar into said receptacle, said shaft being formed with a shoulder above the upper end of said bearing structure, an inverted cup member mounted on said shaft in engagement with said shoulder, said cup member being telescopingly fitted within said collar and forming a shield enclosing the upper end of said bearing structure, an inner perforated receptacle having its bottom portion removably fitted over the upper end of said drive shaft and upon said cup member with the extreme upper end of said shaft projecting up within and above the bottom of said inner receptacle, the engaging faces of said cup member and inner receptacle bottom having interengaging pins and recesses for removable clutching engagement of said cup member with said inner receptacle bottom, and a clamping nut carried by said extreme upper end of said drive shaft and operative to retain the cup member and inner receptacle bottom in clutched relation with said cup member seated against said shaft shoulder.

2,343,695
CURTAIN STRETCHER
Rita Moskos, Chicago, Ill.
Application July 27, 1943, Serial No. 496,323
5 Claims. (Cl. 45—24)

3. A curtain stretcher comprising, a top bar member, two vertical bar members one being rigidly and the other slidably and adjustably secured at each end of said top bar member, a vertical reinforcing strut member mounted substantially at the midpoint of said top bar member, two complementary bar members slidably and adjustably secured to the said vertical bar members and independently secured to the said

reinforcing strut member, and one intermediate bar member slidably and adjustably secured to

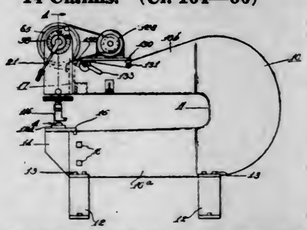


the said top bar member and also to either of the said two complementary bar members.

2,343,696
HYPO ELIMINATOR BATH
Lowell E. Muehler and George T. Eaton, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 30, 1941, Serial No. 417,164
13 Claims. (Cl. 95—88)

1. A hypo eliminator bath for use in the elimination of hypo from photographic silver images comprising alkali metal chlorite.

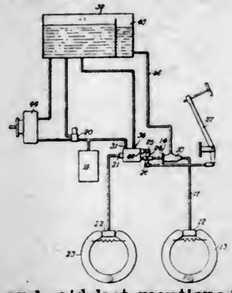
2,343,697
SHEARING AND PUNCHING MACHINE
John Opie, Riverside, Ill.
Application December 18, 1942, Serial No. 469,739
14 Claims. (Cl. 164—86)



1. In a machine for shearing or punching sheet metal or the like, and having a throated frame; a head frame; a horizontal rotatably mounted power drivable shaft; cam-mounted bearing members rotatably mounted in the opposite side portions of said frame; manually operable clutch mechanism operatively connected to said cam-mounted bearing members for selectively rotating the cams of said bearing members to adjust the height of said driven shaft; a connecting rod; adjustable cams connecting said connecting rod to said shaft whereby said rod will be reciprocated; a reciprocable ram connected to said connecting rod; adjustable bearing means in which said ram is slidably mounted; and releasable tool holding means on the lower end of said ram, the rotation of said shaft being adapted to reciprocate said ram.

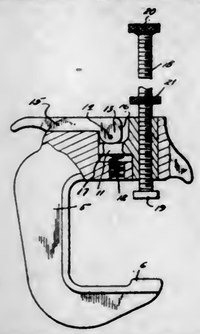
2,343,698
BRAKING SYSTEM FOR VEHICLES
Frank Gordon Parnell, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application September 24, 1941, Serial No. 412,182
In Great Britain December 31, 1940
6 Claims. (Cl. 188—152)

1. A vehicle braking system comprising a liquid pressure master cylinder, a piston in said master cylinder, wheel cylinders coupled to said master cylinder for actuating brakes on some of the vehicle wheels, a source of fluid pressure, a motor device actuated by fluid pressure from said source thrust means between the motor device and the piston of the master cylinder, wheel cylinders for actuating brakes on other of the vehicle wheels, means coupling said last-mentioned wheel cylinders to the source of pressure in common with said motor device, a manually actuated valve controlling the application of pressure to said



motor unit and said last-mentioned wheel cylinders, a control member, connecting means between said control member and said master cylinder piston, connecting means between said control member and said valve having a reaction abutment on the thrust means between the motor device and said piston, and a movement limiting stop for said thrust means to permit said thrust means to act as an abutment for said connecting means in the event of loss of pressure in the master cylinder.

2,343,699
CLAMP
Allen P. Petersen, Hutchinson, Minn.
Application July 25, 1942, Serial No. 452,346
1 Claim. (Cl. 144—305)



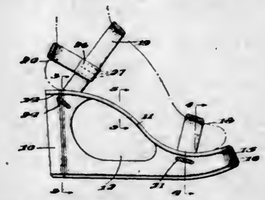
A clamp comprising a C-shaped body having a stationary jaw at one end, a cylindrical bore in the opposite end of the body, said body also having a recess communicating with the bore, a barrel slidably mounted in the bore, an arm projecting laterally from the barrel and slidably positioned in the recess to prevent rotation of the barrel, a spring bearing against the underside of the arm to urge the barrel away from the stationary jaw, a movable jaw adjustably mounted in the barrel and cooperating with the stationary jaw for clamping work therebetween, and a manually operable cam carried by the body and engaging the upper side of the arm opposite the spring to force the movable jaw into work clamping position.

2,343,700
SHOE
Madison D. Pickens and Edwin A. Pecker, Philadelphia, Pa., assignors to Machine & Tool Designing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 22, 1943, Serial No. 484,048
3 Claims. (Cl. 36—30)



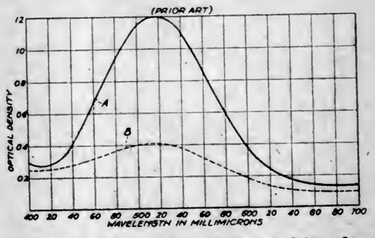
1. In a sole construction, comprising a heel piece and a toe piece both of rigid material, hinge means for said pieces, and a lower sole comprising a plurality of layers of material, said layers forming a broken joint with parts of each layer connected to the heel piece and other parts connected to the sole piece, the parts of one of said layers attached to one of said pieces having a tongue extending beneath a portion of the other piece, whereby to protect said hinge means from foreign matter.

2,343,701
FOOTWEAR
Madison D. Pickens, Philadelphia, Pa., assignor to Machine & Tool Designing Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 19, 1943, Serial No. 487,627
2 Claims. (Cl. 36—11.5)

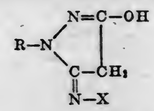


1. A shoe having an inner sole, a block of rigid material having a heel portion, a toe portion, and a connecting web between said portions, and provided with a cut-out portion lying beneath the inner sole between the heel and toe portions of said block.

2,343,702
ACYLIMINO PYRAZOLONE COUPLER
Henry D. Porter and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 25, 1941, Serial No. 412,244
In Great Britain November 4, 1940
15 Claims. (Cl. 95—6)



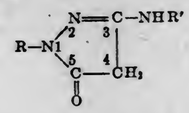
1. A color forming photographic developer comprising a primary aromatic amino developing agent and a coupler compound having the formula:



in which R is an aryl group and X is an acyl group.

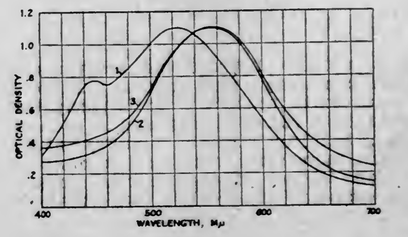
2,343,703
PYRAZOLONE COUPLER FOR COLOR PHOTOGRAPHY
Henry D. Porter and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 4, 1942, Serial No. 457,319
8 Claims. (Cl. 95—6)

1. A color-forming photographic developer comprising a primary aromatic amino developing agent and a coupler compound having the probable formula:



in which R and R′ are aryl groups.

2,343,704
HETEROCYCLIC SUBSTITUTED IMINO-PYRAZOLONE COUPLER
Henry D. Porter, Paul W. Vittum, and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 15, 1942, Serial No. 462,068
In Great Britain November 20, 1941
6 Claims. (Cl. 95—6)

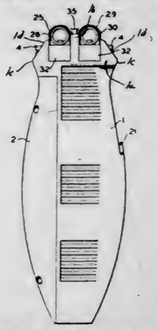


1. A color forming photographic developer comprising a primary aromatic amino developing agent and a 5-imino pyrazolone having a heterocyclic substituent in the 1-position.

2,343,705
ELECTRIC RAZOR
James H. Rand, Jr., Stamford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 23, 1939, Serial No. 310,792
3 Claims. (Cl. 30—43)

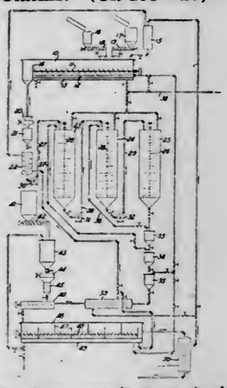
2. A shaver comprising a casing, a pair of separated independent shaver heads mounted on and projecting outwardly from one end of said casing in spaced relation for simultaneous shaving co-

operation, and a hair trippind device mounted on said casing between said shaver heads and pro-



jecting outwardly between said shaver heads for cooperation therewith in causing hair to be raised for cutting by said heads.

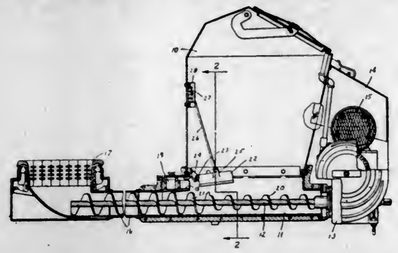
2,343,706
PROCESSING OF MATERIALS
Gustave T. Reich, Philadelphia, Pa.
Application February 23, 1940, Serial No. 320,479
15 Claims. (Cl. 195—17)



1. A method of processing materials which comprises passing a fluid aqueous mixture of the material to be processed continuously through a plurality of zones, maintaining in each of said zones a uniform condition of temperature and pressure increasing from zone to zone in the direction of flow of the material, and thereafter evaporatively cooling said material by passing it through a plurality of zones maintained at successively decreasing pressures, and supplying heat to said first-mentioned zones by passing vapor from said second-mentioned zones directly into contact with the material in said first-mentioned zones.

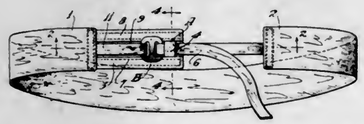
2,343,707
METERING DEVICE FOR SCREW FEEDS
John Roland, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application August 7, 1942, Serial No. 454,053
5 Claims. (Cl. 221—118)

1. A metering device for a screw feed having a bin for containing solid materials provided with a rotatable feed screw in the bottom thereof, comprising an elongated plate extending generally longitudinally of and over a portion of the feed screw and spaced thereabove, means for pivotally supporting one end of said plate to the bin, and a member connected with said plate manual-



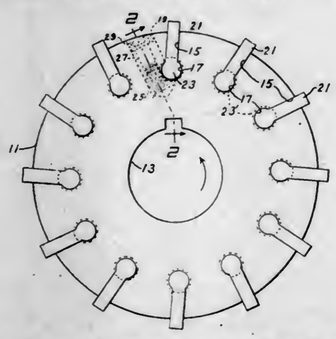
ly operable to swing the free end of said plate toward and away from said screw respectively to effect the feeding of solid materials thereby.

2,343,708
CLAMPING DEVICE FOR FLEXIBLE CONNECTORS
Leo Roseman, Newark, N. J.
Application August 20, 1942, Serial No. 455,446
18 Claims. (Cl. 24—266)



1. The combination with a strap, of a clamping device including a guide having a tubular guideway, and a gripper free for limited movement in all directions relative to said guide, said strap extending longitudinally in one direction through said guide, passing in a loop over said gripper and then extending in the opposite direction through said guide so that said gripper is located and held by said loop adjacent one end of said guideway, said gripper and said guide being formed to frictionally clamp said strap between them when said gripper is drawn toward the guide by tension upon the portion of said strap at one side of said loop.

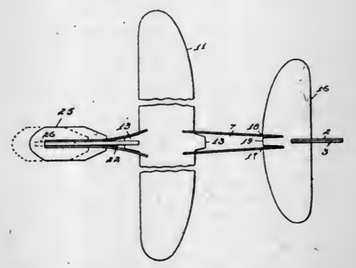
2,343,709
INSERTED BLADE MILLING CUTTER
William L. Rudaitis, Royal Oak, Mich.
Application December 22, 1942, Serial No. 469,849
3 Claims. (Cl. 29—105)



1. An inserted blade rotary cutting tool comprising, a tool head, a plurality of blade receiving

slots disposed at spaced points in the periphery of said head and extending thereinto, the inner portion of each slot opening into an enlarged recess of greater width than the slot, a plurality of cutter blades, each blade having a protuberance of greater thickness than the blade, one of said blades being inserted into each slot with the enlarged protuberance disposed in said recess, an anchor block receiving aperture opening into said tool head from the peripheral surface adjacent each slot and passing thereinto in a suitable direction for intersecting with the enlarged recess of the adjacent slot, an inner anchoring block disposed in each of said apertures inwardly from the intersection with the slot, an outer anchor block disposed in each aperture outwardly from the intersection with the slot, screw receiving holes passing in aligned relation through each respective pair of inner and outer anchor blocks, the screw receiving hole in each innermost anchor block being threaded, a clamping screw threadably entering the hole in each inner anchor block and passing freely through the hole in the outer block so that by turning the screw the head thereof is clamped snugly upon the outer end of the outer block for drawing each pair of anchor blocks firmly together upon the protuberance on each blade so that the blades are firmly wedged in the tool head.

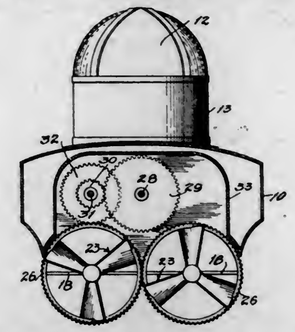
2,343,710
GLIDER
Richard D. Russell, Toronto, Ontario, Canada
Application January 29, 1943, Serial No. 473,991
9 Claims. (Cl. 46—79)



1. A glider comprising a body and tail formed of a single piece of sheet material folded to provide upstanding side walls closed along the bottom, a main wing interlocking with said walls and holding same spaced apart midway of the length of the body, a rear wing interlocking with said walls and holding same locked together, a weighting member inserted between the walls in advance of the main wing and movable longitudinally of the glider whereby to effect the balance of the glider, and a clip extending over the forward end of the body and locking the side walls and the weighting member together, said clip being adjustable longitudinally of the body.

2,343,711
WATERCRAFT
August A. Rusteberg, Chicago, Ill.
Application April 3, 1942, Serial No. 437,474
2 Claims. (Cl. 115—16)

1. In a watercraft, a hull, tubular means secured to a submerged portion of the hull, said tubular means having open ends fore and aft and a propeller assembly mounted in each open end, one of said propellers having a ring gear connected with the tips of the blades thereof, means for



fixedly securing the propellers together, and means for engaging said ring gear for driving said propellers.

2,343,712
MANUFACTURE OF DIOLEFINS
Robert F. Ruthruff, Chicago, Ill.
No Drawing. Application November 17, 1942, Serial No. 465,904
6 Claims. (Cl. 260—680)

1. In the manufacture of conjugated diolefins from monoolefins containing more than three carbon atoms to the molecule, the steps comprising adding from one to ten volumes of hydrogen to said monoolefins, compressing the resulting mixture to a pressure such that the partial pressure of the monoolefin is greater than one atmosphere and the total pressure of the mixture is less than 200 pounds per square inch and subjecting the resulting compressed mixture to catalytic dehydrogenation at elevated temperatures.

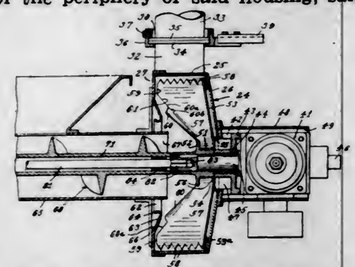
2,343,713
SOFT-CURD MILK
Bernhard Spur, Copenhagen, Denmark, assignor to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y.
No Drawing. Application December 14, 1939, Serial No. 309,291
9 Claims. (Cl. 99—54)

1. The process of producing a milk of quick and easy digestibility which consists in adding to the milk a quantity of rennet enzyme within the temperature limits of its activity to change at least part of the casein of the milk to paracasein with a consequent lowering of the curd tension below 33 grams, and lowering the temperature of the milk prior to curdling to render the rennet enzyme dormant.

2,343,714
BLOWER
Carl E. Swenson, Rockford, Ill.
Application June 19, 1941, Serial No. 398,716
14 Claims. (Cl. 302—37)

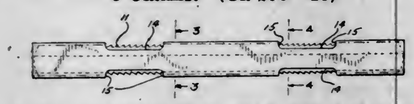
1. The combination in a blower of a housing of approximately cylindrical shape having spaced sides, one of said sides having a centrally disposed feed opening for the passage of solid material, a rotatable disk disposed in said housing adjacent the opposite side thereof, said disk being conically dished with the concave side thereof facing said feed opening, and a plurality of vanes on the concave side of said disk extend-

ing outwardly in said housing having the outer ends thereof positioned adjacent the inner surface of the periphery of said housing, said one



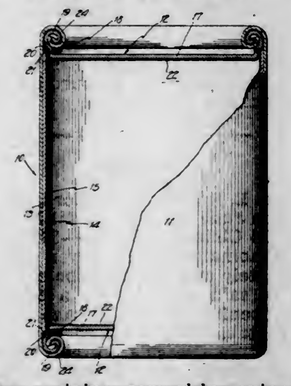
of said sides being dished inwardly around said feed opening to direct the radial flight of said material toward said disk and away from the side adjacent said opening.

2,343,715
WRAPPER FOR HACK-SAW BLADES
Kenyon Yale Taylor, Shelburne, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Application February 14, 1941, Serial No. 378,875
5 Claims. (Cl. 206—46)



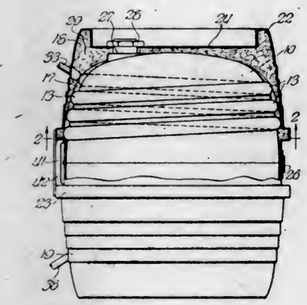
1. In combination, a hack saw blade and a wrapper, said wrapper comprising a rectangular sheet of relatively stiff material, the side edges of which are folded over the body of the sheet in overlapping relation and cemented together to form a tubular envelope open at the ends, there being portions of said sheet cut out at the folds to form openings through which the teeth of the blade are visible, the width of the wrapper after folding being such that it will be held upon the saw blade by frictional contact with the teeth thereof.

2,343,716
FIBER CONTAINER
Louis P. Toscano and Theodore D. Toscano, Lynbrook, N. Y.
Application July 15, 1942, Serial No. 450,958
3 Claims. (Cl. 229—5.6)



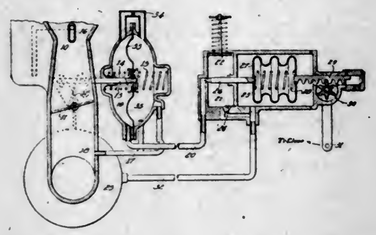
1. A fiber container comprising outer and inner cylindrical side walls constructed of stiff cardboard, one end of the inner side wall terminating short of the adjacent end of the outer side wall, an end wall member comprising an annular disk body, an outwardly extending annular side wall integral with said disk body in telescoping engagement with the end of the inner side wall, an enlarged annular inwardly rolled convolute bead integral with the annular side wall of the disk body having an outwardly offset portion seated on the adjacent end edge of the inner side wall, and an annular inwardly rolled clinching bead formed integral with the adjacent end of the outer side wall extending inwardly over and enclosing the first named bead, said clinching bead having a portion inwardly of the rolled-in free edge thereof in pressing engagement with the shoulder of the offset portion for holding the offset portion in seated position against the adjacent end edge of the inner side wall.

2,343,717
BEVERAGE CONTAINER
Henry C. Turnau, Chicago, Ill.
Application November 6, 1940, Serial No. 364,491
1 Claim. (Cl. 257—14)



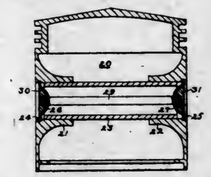
In a metal beverage barrel, an inner container comprising two generally cup-shaped members welded together at their edges, an outer shell comprising two generally cup-shaped sections welded together and to the inner container at their edges to form a welded bilge point, the said inner container having its maximum diameter at the welded joint, said outer shell being formed above and below the said welded joint to form a pair of outwardly projecting bilge rings with an annular recess at the bilge between said rings, said inner container and outer shell being spaced above and below said bilge rings, means spaced from the outer shell above and below the bilge to form with said inner container two spiral passageways of which the inner container forms a part, whereby a refrigerant, if passed through said passageways, will be in direct contact with a substantial portion of the wall of the said inner container, said spiral passageways having contiguous termini near the bilge, a connection between said termini across said bilge and disposed in said annular passageway, whereby to form a continuous substantially spiral passageway from top to bottom of the barrel, fittings connected into top and bottom termini of said continuous passageway and extending toward openings in the shell for attachment of intake and outlet refrigerant lines, and depressions in the outer shell at said openings to protect said fittings during normal handling of the barrel.

2,343,718
THROTTLE CONTROL
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application July 13, 1942, Serial No. 450,825
2 Claims. (Cl. 123—103)



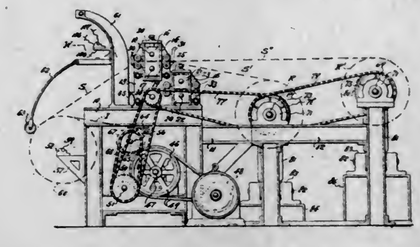
1. A throttle control for an airplane engine having an air passage leading to said engine, a throttle valve therein, a throttle lever therefore, a supercharger communicating with said air passage, a chamber, a passage connecting said chamber with the engine side of said throttle, a movable wall in said chamber, a second chamber located on opposite side of movable wall, a passage connecting said second chamber with said supercharger, a valve in said passage, a third chamber in free communication with said supercharger pressure, an evacuated element in said third chamber, spring means for supporting said evacuated chamber against the effect of said supercharger pressure, manually operated means engaging with one end of said evacuated chamber, the other end being connected to said valve, said valve being adapted to be opened by an increase in supercharger pressure and to be closed by an increase in pressure applied by said manually operated means, the opening of said valve being adapted to close said throttle.

2,343,719
PISTON RESIZER
Raymond M. Ulrich, Shelbyville, Ill.
Application November 19, 1940, Serial No. 366,289
5 Claims. (Cl. 309—12)



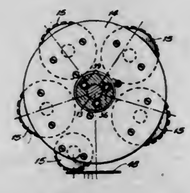
1. The combination comprising a piston and means for ovalizing the skirt thereof, said piston having a pair of piston pin bosses, a piston pin therein, a pair of recessed bearing surfaces located in the proximity of the outer surface of said piston and concentric to the piston pin bosses, said ovalizing means comprising a resilient member for each of said bearing surfaces, said member being concave and having a relatively thin uniform cross section and a bolt passing through the piston pin and both of said members, said bolt and said members cooperating to apply a resilient compressive force to said piston at said bearing surfaces thereby to increase the diametric dimension of said piston skirt at right angles to the axis of said pin bosses.

2,343,720
SHEET MATERIAL SLITTING AND WINDING MACHINE
Peter Van Norde, Summit, N. J., assignor to Irvington Varnish & Insulator Co., Irvington, N. J., a corporation of New Jersey
Application February 2, 1943, Serial No. 474,431
6 Claims. (Cl. 164—65)



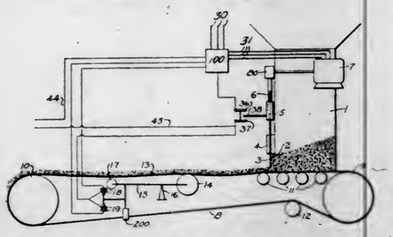
1. A sheet material slitting and winding mechanism comprising a slitting head having cutting rolls to slit sheet material into a multiplicity of strips, means to rotatably support a supply roll of sheet material for delivery to said cutting rolls, an interleaf winding means to separate, receive and wind interleaf material from the sheet material issuing from said supply roll, a clutch controlled power transmission shaft, transmission means actuated by said shaft for operating said interleaf winding means, additional transmission means actuated by said shaft for operating said cutting rolls, a plurality of diametrically contractable winding mandrels beyond said slitting head disposed in vertically and horizontally spaced plane relation, whereby alternate strips issuing from the cutting rolls are divergently separated and respectively led to and wound by and upon said respective mandrels, and transmission means for each mandrel likewise deriving power from said clutch controlled shaft, each mandrel transmission means including compensating frictional slip clutch means.

2,343,721
TAG MARKING MACHINE
Sidney E. Van Tuyl, Riverside, Ill., assignor to American Tag Company, Chicago, Ill., a corporation of Illinois
Application May 5, 1941, Serial No. 391,872
7 Claims. (Cl. 101—101)



1. A machine for marking tags or the like comprising a rotatable turret, means for indexing said turret, a platen, means for periodically moving the turret and platen together, and selective type assemblies on said turret successively to register with the platen as the turret is indexed, said selective type assemblies being so spaced on the turret that each of them engages a different portion of the platen thereby to print different lines on a sheet on the platen.

2,343,722
FEED CONTROL DEVICE
Lacey A. Wagner, St. Louis County, Mo., assignor to Missouri Portland Cement Co., St. Louis, Mo., a corporation of Missouri
Application February 1, 1940, Serial No. 316,759
8 Claims. (Cl. 221—118)



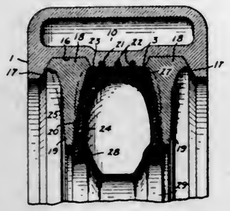
1. Apparatus for regulating feed from a bin, comprising a bin having an outlet, a motor driven endless conveyor traveling beneath the outlet from the bin, pulleys supporting said endless conveyor but spaced so as to provide a band supported at its ends, a weighing device sustaining a free portion of said band adjacent said outlet, a gate for controlling the feed of material from said bin to said band, an electric motor connected to reciprocate said gate to vary the discharge from said bin, limit switches associated with said gate for interrupting operation of the conveyor motor at extreme positions of the gate, and means for controlling the direction of rotation of said motor in accordance with the position of said weighing device.

2,343,723
CIRCUIT INTERRUPTER
James M. Wallace, North Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1939, Serial No. 294,073
12 Claims. (Cl. 200—135)



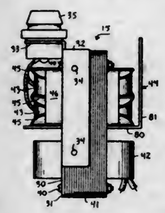
1. In a circuit interrupting device, means for automatically opening a circuit upon the passage therethrough of currents of a predetermined magnitude, a tubular enclosure therefor, a stressed coiled spring for separating the terminals of said opened circuit, and including a plurality of portions having coils of different diameters, the coils of one portion being of a size to engage an end of said enclosure, the coils of another portion being reduced in size and extending into said enclosure and the coils of still another portion being further reduced in size and closely surrounding a terminal member of said circuit opening means, the innermost coils of said terminal and enclosure engaging portions of said spring engaging said terminal and enclosure, respectively, whereby all of the coils of said terminal and enclosure engaging portions of said spring are free from stress.

2,343,724
METHOD OF RETREADING TIRES
George Wheatley, Imlay City, Mich., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application January 6, 1937, Serial No. 119,286. Divided and this application February 2, 1940, Serial No. 316,955
6 Claims. (Cl. 154—14)



1. The method of vulcanizing a pneumatic tire casing having spaced side walls and a tread extending between the outer peripheries of the side walls, which comprises moving the outer peripheries of the side walls toward one another to deform the casing and decrease the width of the tread, supporting the deformed casing over substantially the entire area of the narrowed tread and uninterruptedly from the tread over the side walls, applying pressure internally of the casing, and heating the tread while the casing is deformed.

2,343,725
TRANSFORMER
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 24, 1941, Serial No. 390,098
12 Claims. (Cl. 175—356)



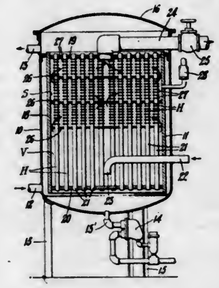
1. A transformer, comprising in combination, a housing for said transformer having apertures therein, a core and winding mounted on said core, leads connected to said windings and extending through said housing, means for insulating the leads associated with at least one of said windings from said housing, a unitary bracket, means for securing said insulating means thereto, means for assembling said core, windings insulating means and bracket as a unit, said unit being insertable in said housing, said bracket serving to support said unit in said housing and means for attaching said bracket to said housing in a position whereby said insulating means extends through said apertures.

2,343,726
OAR
Milton T. Witt, Buffalo, N. Y.
Application May 14, 1941, Serial No. 393,449
2 Claims. (Cl. 9—24)



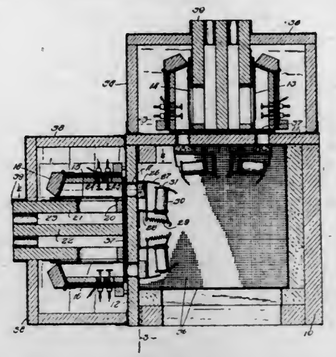
1. An oar comprising a shank including a pair of tubular sections telescopically arranged for sliding adjustment of one shank section inwardly of the other, and a blade comprising sections hinged together for folding oppositely into flat engaging relation side by side and forming a stack when folded of less thickness and width than the internal diameter of said one shank section for sliding into one end of said one section.

2,343,727
VAPORIZING DEVICE
George H. Zenner, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application April 26, 1941, Serial No. 390,495
12 Claims. (Cl. 62—1)



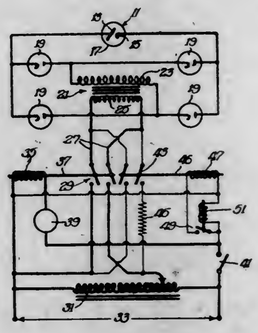
1. In a method of vaporizing a volatile liquid having a boiling point temperature below about 233° K. at atmospheric pressure and superheating the resulting vapor, the steps of heating said liquid to effect evaporation thereof at a rate such that the linear velocity of the resulting vapor is insufficient to cause entrainment of liquid in the evolved vapor, and thereafter superheating said vapor to substantially room temperature by passing said vapor at relatively higher velocities in direct contact with heating elements disposed across the path of flow of said evolved vapor.

2,343,728
ELECTRIC INSTRUMENT
Victor I. Zuck, South Haven, Mich., assignor to Everett Piano Company, a corporation of Illinois
Application June 29, 1940, Serial No. 343,276
8 Claims. (Cl. 84—1.09)



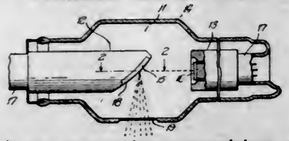
1. Apparatus of the character described, including: a plurality of vibratile metallic reeds arranged in a row; means coupled to each of said reeds for creating voltage variations corresponding to mechanical vibrations of the reeds; means for converting the voltage variations into corresponding sound waves; a keyboard; means for effecting movement of air past the reeds; valve means associated with each reed for controlling the movement of the air; and means for electrically actuating the valve means, each being actuated by movement of a corresponding key on the keyboard.

2,343,729
X-RAY APPARATUS
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application July 10, 1942, Serial No. 450,419
10 Claims. (Cl. 250—95)



1. The method of operating an X-ray generator which consists in applying operating potential between the anode and cathode of the generator for the production of useful X-rays during a limited exposure interval, and, during a period other than said interval, delivering electrical anode heating energy to said anode whereby to retard cooling of the anode, following said interval, sufficiently to prevent cracking thereof.

2,343,730
X-RAY TUBE
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application November 30, 1942, Serial No. 467,333
6 Claims. (Cl. 250—149)

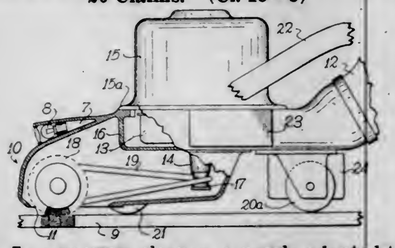


1. An X-ray generator comprising an evacuated envelope, electron emitting means and an anode within said envelope, and a target mounted in said anode, said target being adapted to receive electrons emitted from said means, and a portion of the outer surface of said anode and of said target being convex in one plane, said convex surface forming the reflection area for producing a desired focal spot, whereby X-rays generated in said target will be of substantially uniform intensity in any unit area of the beam.

2,343,731
PETROLEUM OIL CONVERSION WITH CATALYSTS
James C. Bailie and Melvin J. See, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application February 5, 1940, Serial No. 317,404
9 Claims. (Cl. 196—52)

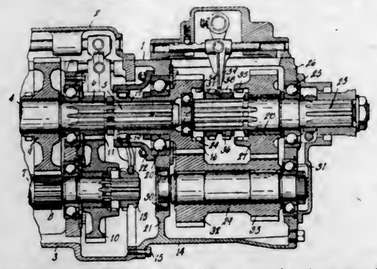
1. The process of converting hydrocarbon oils comprising contacting the vapors of said oils at conversion temperatures with a catalyst consisting essentially of a physical mixture of magnesia and silica prepared by intimately mixing magnesia with finely pulverized silicon dioxide, wetting the mixed oxides with water, thereby cementing the particles at their points of contact with an inter-granular material resulting from the action of water on said particles, and drying and igniting the resulting product.

2,343,732
VACUUM CLEANING APPARATUS
Douglas O. Baird, Evanston, Ill., assignor to Richard D. Mason, Wilmette, Ill.
Application October 2, 1941, Serial No. 413,287
20 Claims. (Cl. 15—8)



1. In a vacuum cleaner, a nozzle adapted to be moved over a surface to be cleaned, means for producing a cleaning action in the area of said surface which registers with the opening of said nozzle, an electric motor for driving said cleaning means, electric circuit means operative in response to movement of said nozzle over said surface for automatically rendering said motor operative to drive said cleaning means, and means for preventing said last-named means from operating so long as said cleaner is standing at rest on said surface.

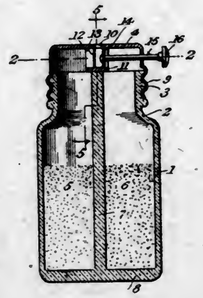
2,343,733
COMBINED TRANSMISSION AND AUXILIARY
Thomas Backus, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, Kalamazoo, Mich.
Application September 17, 1942, Serial No. 458,667
2 Claims. (Cl. 74—338)



1. The combination with a main transmission including a housing having an opening at the rear end thereof and a splined main transmission output shaft extending into said opening, of an auxiliary transmission unit comprising a housing detachably mountable on said main transmission shaft and constituting a closure for said opening, a stem gear projecting into said opening and having a splined bore receiving said splined main transmission output shaft, a tubular bearing support member carried by said auxiliary transmission shaft housing and surrounding the forward end of the stem portion of said stem gear projecting into said main housing opening and concentrically embracing the splined end of said main transmission output shaft, a bearing for the forward end of said stem gear carried by said bearing support, a second bearing for said stem gear carried by said auxiliary transmission shaft housing and disposed adjacent the gear thereof, an auxiliary transmission output shaft alined with said output shaft of said main transmission, a bearing for the forward end of said auxiliary transmission output shaft disposed within said stem gear, a second bearing for said auxiliary transmission output shaft carried by said auxiliary transmission shaft housing, a gear on said auxiliary transmission output shaft, said stem gear and said gear on said auxiliary transmission output shaft being provided with facing clutch elements, a clutch member splined to said auxiliary transmission output shaft and selectively engageable with said clutch elements, and a countershaft having gears rotatable therewith meshing with said stem gear and said gear on said auxiliary transmission output shaft, said stem gear and bearing support member constituting an assembled part of the auxiliary transmission unit for connection to and removable from said main transmission shaft housing.

2,343,734
CONDIMENT HOLDER
Frank G. Barber, Luzerne, Pa.
Application October 22, 1941, Serial No. 416,119
2 Claims. (Cl. 65—45)

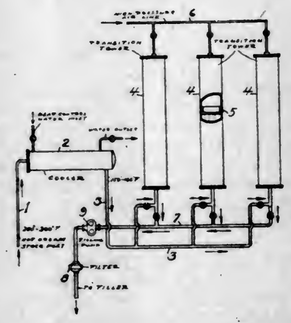
2. A holder for separately dispensing different kinds of condiments, comprising a container, a vertical partition dividing the container into two compartments, a cap removably secured to the upper end of the container and having a top wall spaced from the partition and provided with a central opening, a strip extending across the cap and bearing against the upper end of the partition, a leaf spring valve having its ends secured in opposite walls of the cap for wiping engagement with the top wall of the cap and the strip, said valve being bowed for normal disposal upon one side of the outlet to allow dispensing of the contents of one of the compartments, and a handle fixed to the valve for bowing the same in the opposite direction to allow dispensing of the contents of the other compartment.



2,343,735
BITUMINOUS WATERPROOFING MATERIAL
Charles M. Baskin, Toronto, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 26, 1939, Serial No. 275,798
2 Claims. (Cl. 106—280)

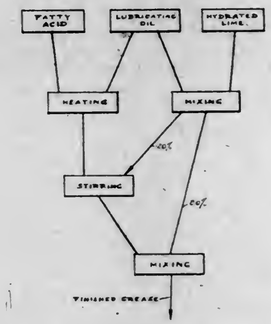
1. A bituminous waterproofing material composed of a fibrous pulpy material, a mineral flux oil, a 20 to 50 penetration cracking coil tar asphalt, a distillate having an end point of about 420° F. and a brittle asphalt having a softening point of 250 to 375° F. which had been oxidized from 200° F.

2,343 736
LUBRICANT, ETC.
Alan Beerbower and Austin E. Calkins, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 28, 1942, Serial No. 456,494
4 Claims. (Cl. 252—35)



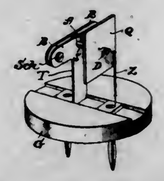
1. The process of manufacturing an aluminum soap grease which comprises making a hot grease stock comprising about 90–95% of mineral lubricating oil and about 5–10% of an aluminum soap of high molecular weight carboxylic acid, having a temperature of 280° to 300° F., cooling it to near its transition temperature, between the approximate limits of 90° and 180° F., depending upon its composition, passing it to a vertical tower-shaped transition zone and letting it remain there substantially undisturbed and at a substantially constant temperature for a transition period of about one-quarter hour to six hours until it has acquired the desired grease structure, and then filtering the grease.

2,343,737
LUBRICANT
Alan Beerbower, Kenilworth, N. J., and Ralph E. Darley, Glen Burnie, Md., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 5, 1942, Serial No. 457,380
3 Claims. (Cl. 252—39)



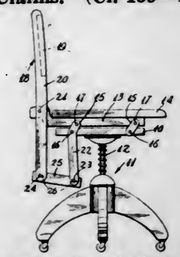
1. The process of manufacturing a lime-soap lubricating grease which comprises dissolving all of the fatty materials to be used in a mineral oil base stock, dispersing hydrated lime in mineral oil, adding about 10–50% of said lime dispersion to the oil-solution of fatty materials and reacting the resultant mixture until said lime is substantially completely reacted and until the foam initially formed has substantially completely broken, and finally adding the rest of the lime dispersion, and heating and stirring the mixture until saponification is complete, the entire reaction being completed at a temperature not exceeding about 170–200° F.

2,343,738
PIEZOELECTRIC CRYSTAL MOUNTING
Rudolf Bechmann, Heinz E. Kundt, and Heinrich Bremer, Berlin, Germany; vested in the Alien Property Custodian
Application July 19, 1941, Serial No. 403,096
In Germany April 2, 1940
9 Claims. (Cl. 171—327)



1. A piezo-electric crystal holder comprising a crystal plate, a rigid stem secured to one face of said crystal plate and means located at a nodal point of vibration on said stem for supporting said crystal in an operative position to provide improved operation.

2,343,739
WEIGHT ACTION FOR CHAIR BACKS
Herbert Henry Bernstein, Brooklyn, N. Y., assignor of one-half to Kalmus-Golden, Inc., a corporation of New York
Application September 9, 1942, Serial No. 457,740
7 Claims. (Cl. 155—116)



1. A weight action for chair backs, comprising a leg structure, a horizontal support board mounted on said leg structure, horizontal seat support arms superimposed on said support board, a substantially horizontal seat mounted on said support arms, front and rear pairs of forwardly and upwardly inclined links pivotally connecting said support arms and support board, said support board, support arms and links forming a parallelogram of arms so that said seat may assume various horizontal positions, a chair back pivotally supported intermediate of its ends upon the rear ends of said support arms, downwardly extending portions formed on one pair of said links, and links connecting the bottom ends of said downwardly extending portions with the bottom end of said chair back to cause the back to rock forwards and rearwards as said seat moves downwards and upwards.

2,343,740
FIBROUS SHEET COVERED PLYWOOD
Donald G. Birmingham, Aberdeen, Wash., assignor to Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware
Application September 18, 1940, Serial No. 357,196
11 Claims. (Cl. 154—40)



10. A hot pressed laminated product comprising a wood veneer and, covering and integrally bonded to a broad face of said veneer, a loosely matted fibrous sheet having a thermosetting resin diffused therethrough in amounts insufficient to saturate the sheet, the region of said bond having a higher concentration of resin particles than the fibrous sheet, and said sheet and resin diffused therethrough forming a smooth hard uniform finished surface completely masking the grain of the wood.

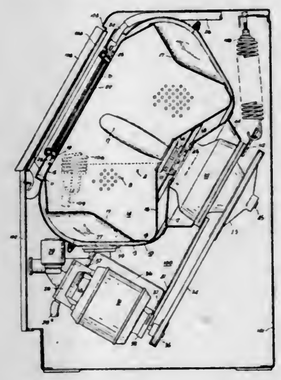
2,343,741
PLACARD
Edward F. Blechta, Berwyn, Ill.
Application June 14, 1941, Serial No. 398,092
5 Claims. (Cl. 40—124.1)

1. In a placard having a lower edge upon which it is adapted to rest, a generally upright seat portraying portion of which the portrayed seat constitutes part of a pictorial subject, an upper body portion at and extending upward from the upper edge of the seat portraying portion and portraying a human torso disposed upright upon such seat, a lower body portion portraying human legs complemental with said torso, means pivotally supporting the lower body portion with



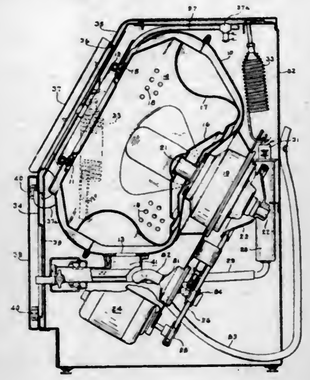
its upper part slightly above and forwardly of the lower part of said torso, and said pivot means facilitating forward displacement of the lower part of said lower body portion.

2,343,742
WASHING APPARATUS
Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1939, Serial No. 305,512
3 Claims. (Cl. 68—24)



1. In apparatus for washing fabrics and for spinning fluid therefrom, the combination of a tub structure of substantially frusto-conical formation and having its axis arranged at an acute angle from the vertical so that the end of the tub of major diameter is faced upwardly and forwardly, a substantially frusto-conical basket coaxially aligned within the tub structure, a multiple speed mechanism for rotating the basket and having a housing secured to the end of the tub of minor diameter, a motor carried by an under portion of the tub structure for driving the multiple speed mechanism, first and second springs disposed on opposite sides of the tub structure adjacent the end thereof of major diameter, a third spring for supporting a rear portion of the tub structure and secured thereto adjacent the end wall of minor diameter, said springs defining a resilient three-point support for the tub structure and permitting vibration thereof in all modes.

2,343,743
CLEANING APPARATUS
Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 10, 1941, Serial No. 387,822
2 Claims. (Cl. 210—149)

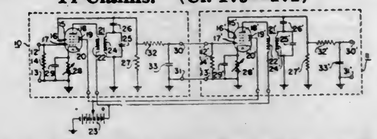


2. In cleaning apparatus, the combination of a tub for containing cleaning fluid and having a drain opening therein, a fitting carried by the tub and having wall members enclosing a sump, the inner rear portion of which extends vertically beneath said drain opening and the outer forward portion of which extends generally horizontally from the vertically-extending portion, said fitting having an access opening formed in the front thereof, a generally horizontal ledge carried by said wall members and disposed in part within said forward portion of the sump, a generally rectangular pan having side walls and a bottom wall, said side walls of the pan having an outwardly-extending flange carried by the ledge, a closure for said access opening and secured to the front side wall of the pan, means for biasing the closure into engagement with the fitting, said side and bottom walls of the pan being spaced from the wall members of the fitting and being imperforate at their inner ends, the outer, forward portions of the side and bottom walls of the pan being perforate, said fitting having a first discharge port for fluid formed in the portion thereof opposite the imperforate portion of the walls of the pan and a second discharge port for fluid formed in the portion thereof adjacent said access opening and a valve member for closing the second discharge port.

2,343,744
SEPARATION AND PURIFICATION OF AROMATIC COMPOUNDS
Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 17, 1941. Serial No. 423,303
14 Claims. (Cl. 260—674)

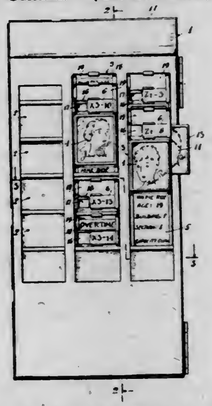
1. A process of separating aromatic hydrocarbons from mixtures of aromatic and non-aromatic hydrocarbons, which comprises subjecting the mixture to the action of a liquid hydrogen fluoride solution of boron fluoride under conditions such that the principal action is the formation of an aromatic halide complex, separating the resultant upper and lower layers the latter comprising an aromatic halide complex, subjecting the lower layer to heat to decompose the aromatic halide complex, and driving off the boron fluoride and hydrogen fluoride and collecting the same.

2,343,745
DIRECT-CURRENT AMPLIFIER STAGE
Nelson P. Case, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application December 18, 1941, Serial No. 423,417
14 Claims. (Cl. 179—171)



1. A direct-current amplifier stage comprising, an input circuit adapted to have applied thereto a signal to be amplified, means for generating oscillations of a frequency which is high compared to that of any component of the signal to be amplified, means responsive to said signal for varying the value of a characteristic of the oscillations of said generating means substantially linearly in accordance with the instantaneous value of said signal, means included in said first-named means for substantially linearly rectifying said oscillations to derive an amplified signal the value of which varies substantially linearly in accordance with the value of said characteristic, and an output circuit coupled to said last-named means for utilizing said derived amplified signal.

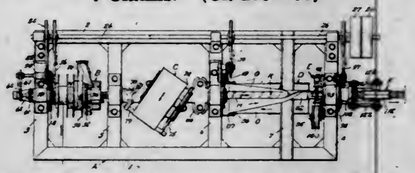
2,343,746
SYSTEM OF IDENTIFICATION
Andrew Burr Chalmers, Bloomfield, N. J.
Application August 22, 1942, Serial No. 455,725
1 Claim. (Cl. 40—124)



In a system of identification, a holder to movably receive a master badge carrying an employee's badge; a master badge, to removably receive an employee's badge, mounted to move in said holder from one position to another but normally incapable of complete withdrawal therefrom, said master badge carrying an identification symbol that is concealed when the master badge occupies one position and exposed when it occupies another position and said master badge having a window that is visible when the identification symbol is concealed; an employee's badge removably mounted in rear of said master badge

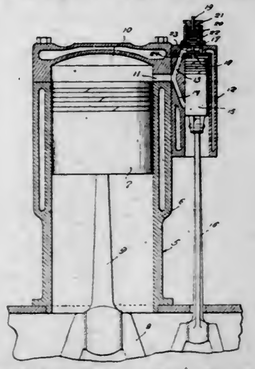
and partly exposed through the window aforesaid when the symbol of the master badge is concealed and having an identification symbol corresponding to that carried by the master badge which symbol is exposed upon removal of said employee's badge from the master badge; and means to prevent removal of said employee's badge from said master badge except when the master badge has been moved into and occupies a position in which the symbol of the master badge is exposed.

2,343,747
MACHINE FOR MAKING TUBULAR STRUCTURES
Abel E. Chernack, New York, N. Y.
Application May 27, 1941, Serial No. 395,481
7 Claims. (Cl. 153—67)



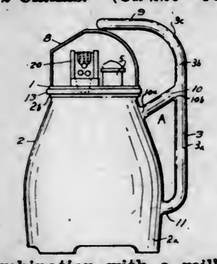
2. In a machine for forming tubular structures, a fixed hollow slotted mandrel, means rotatable about said mandrel for forming a continuous spiral spring on said mandrel and a rotatable threaded shaft in said mandrel, said threaded shaft projecting through a slot in said mandrel and engaging the spring for advancing the spring on said mandrel.

2,343,748
ENGINE
Merton A. Coburn, Balboa, C. Z.
Application November 24, 1942, Serial No. 466,751
1 Claim. (Cl. 123—143)



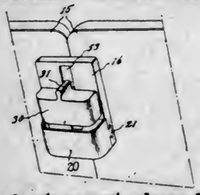
In a Diesel type internal combustion engine, a main cylinder having a firing chamber and port connecting therewith and leading exteriorly of said cylinder, a main piston in said cylinder, a crank shaft connected to said piston, an auxiliary cylinder mounted on the main cylinder and having connected fuel passages communicating with said port, said auxiliary cylinder having a chamber in direct communication with one of the fuel passages and the other fuel passage having direct communication with the auxiliary cylinder, a valve mechanism for opening and closing said last-named chamber to said auxiliary cylinder, an auxiliary piston in the auxiliary cylinder and connected to the crank shaft for movement in unison with the main piston to control fuel from the firing chamber of the main cylinder into the auxiliary cylinder and for compressing and igniting the fuel in the auxiliary cylinder, and a lug on the auxiliary piston to unseat the valve to allow the ignited fuel to enter the second-named chamber and pass into the firing chamber by way of one of the passages and said port on the power stroke of the main piston.

2,343,749
MILK PAIL HANDLE
Lyall T. Conde, Sherrill, N. Y.
Original application March 20, 1940, Serial No. 324,951. Divided and this application January 17, 1942, Serial No. 427,199
2 Claims. (Cl. 220—94)



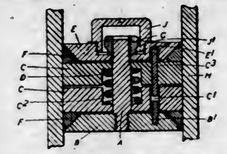
1. The combination with a milk pail for use in a milking machine system and for receiving a substantial weight of milk having an open mouth with a cover therefor, of a rigid handle member connected to the side of said pail near the bottom thereof and extending beyond the top of said pail, a supporting member connecting said handle member to the upper part of said pail, that part of the handle member between its lower end and said supporting member being spaced from the side of the pail and being substantially parallel to the axis thereof to provide a vertically extending manual grip for pouring purposes, that part of the handle member above said supporting member being bent so as to extend over and in spaced relation to the top of the pail and terminating substantially in alignment with the axis of the pail to provide a horizontally-extending manual grip above the pail so that it may be carried in a balanced condition without spilling or pouring the contents thereof.

2,343,750
ASH RECEIVER
William F. Conran, Brooklyn, N. Y.
Application May 10, 1941, Serial No. 392,982
23 Claims. (Cl. 131—237)



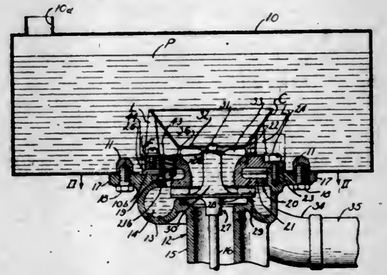
1. A combined ash receptacle and extinguisher, comprising a mounting adapted to be attached to an upright surface such as a wall or the back of a theatre seat, and an open-top cup carried by said mounting, in combination with a substantially airtight closure for the cup, said closure being aligned with the cup on the mounting so as to slide from a position spaced above the cup down into the bottom of the cup to crush out embers.

2,343,751
PISTON
Paul Faulkner Crothers, London, England, assignor to Trier Bros. Limited, London, England, a company of Great Britain
Application March 4, 1943, Serial No. 478,036
In Great Britain April 7, 1942
9 Claims. (Cl. 309—4)



1. A plunger comprising a rod, a pair of discs mounted to slide on the rod, a spreader at each end of the rod, each forming an end face of the plunger, a piston ring between the outer face of each disc and its spreader, and a spring normally tending to press each disc towards its respective spreader and to maintain the spreaders away from one another.

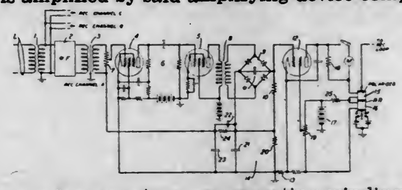
2,343,752
PUMP PRESSURE LIMITING DEVICE
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application March 26, 1942, Serial No. 436,265
7 Claims. (Cl. 103—42)



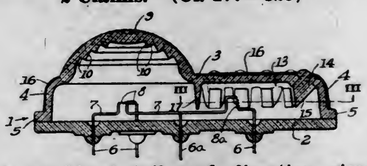
1. In a centrifugal type pump including a casing having a central inlet throat opening into a source of fluid supply and a peripheral volute chamber, an impeller with pumping vanes between said throat and said volute chamber for pumping fluids received from said source through the throat into the volute chamber, said inlet throat having a relief passageway joining said volute chamber with said source, and means normally closing said passageway sensitive to a predetermined pressure in the volute chamber for opening the passageway whereby the pressure in the volute chamber is limited to a predetermined value.

2,343,753
RECEIVING CIRCUIT FOR TELEGRAPH SIGNALING SYSTEMS
James R. Davey, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1942, Serial No. 459,672
2 Claims. (Cl. 178—66)

1. In a telegraph system in which pulses of carrier current separated by intervals of no current are used for marking and spacing telegraph signals, respectively, a transmission medium subject to variable loss for transmitting said signals and a signal receiving circuit connected to said medium including a rectifier for rectifying the received signal pulses, an electron discharge amplifying device having electrodes including a cathode, an anode and a control grid, and circuits therefor, a source of anode current for said device, means for applying the rectified signal pulses to the control grid-cathode circuit of said amplifying device, a large resistance, a polar relay for repeating the marking and spacing signals amplified by said amplifying device comprising a relay armature, an operating winding and an oppositely poled biasing winding connected in series between the anode and cathode of said device, and to said anode battery in common through said large resistance so that when the current through the operating winding of the relay increases during marking signaling intervals the biasing current to said biasing winding decreases, to provide a more rapid transition in the magnetizing force operating on the relay armature as the signals go from mark to space and vice versa.



2,343,754
SEALED TYPE TAIL, STOP, AND DIRECTION SIGNAL
Harold B. Donley, Columbus, Ohio
Application September 11, 1940, Serial No. 356,340
2 Claims. (Cl. 177—329)

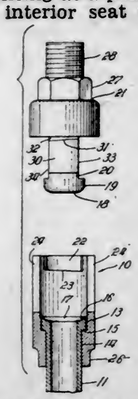


1. A combined tail and direction signalling lamp for motor vehicles comprising a base member and a cover member forming a hermetically sealed casing containing light filaments therein, a portion of said cover member having a convex light transmitting lens, another portion of said cover member being impervious to light except for a predetermined area consisting of prismatic means extending into said casing, a light impervious baffle in said casing separating the internal portions defining the convex lens and the said prismatic means, said prismatic means being disposed in an arcuate member around a light filament as a focal point so as to radiate light therefrom in substantially uniform intensity through the cover member.

2,343,755
CONDUIT COUPLING DEVICE
Martinello Patrick Dougherty, Marysville, Kans.
Application April 2, 1942, Serial No. 437,327
6 Claims. (Cl. 285—191)

4. A two-member conduit coupling comprising a tubular female member with an interior seat at one end, a male member of a size adapted to enter axially the open end of the female member, a lug on the outer surface of the male member, a channel capable of passing said lug along the inner wall of the female member parallel to the

latter's axis, a cam shoulder extending from said channel along the interior wall of the female member commencing at a point slightly less distant from the interior seat than the distance

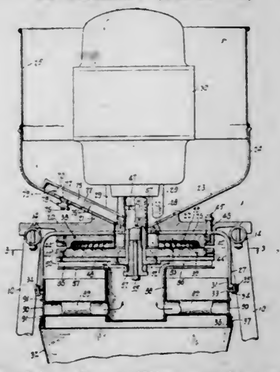


between the entering tip of the male member and the lug thereon, and locking means on the outside surfaces of the female member engageable with complementary locking means on the male member.

2,343,756
LUBRICANT
Frederick B. Downing, Penns Grove, N. J., and Howard M. Fitch, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1942, Serial No. 440,202
17 Claims. (Cl. 252—37)

1. A lubricant comprising a petroleum lubricating oil having dissolved therein from 50 to about 500 P. P. M. of copper in the form of an oil-soluble compound of copper and from about 0.1% to about 0.5% of sulfur in the form of oil-soluble sulfur compounds.

2,343,757
FLOUR MILL
Lawrence E. Egedal, Milwaukee, Wis.
Application July 19, 1940, Serial No. 346,243
13 Claims. (Cl. 83—7)



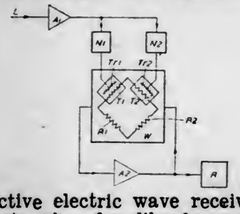
1. A machine for milling grain and the like comprising upper and lower abrasive members having rough surfaces and cooperating to form a relatively shallow laterally extended milling chamber having a non-rotating peripheral wall, and means for rotating the lower of said members at high speed to thereby effect rapid circulation and repeated dashing impingement of the contents of said chamber between and against said surfaces.

2,343,758
SKULL FITTING HAT
Israel K. Etman, New York, N. Y.
Application January 22, 1942, Serial No. 427,781
2 Claims. (Cl. 2—195)



1. In a reversible hat made of four main pieces and having an outer and an inner member, said members each comprising two pieces forming a side piece and a crown piece, said crown piece being substantially V-shaped and having a pointed front end and an elongated widened rear neck portion terminating in a concave edge forming the rear lower edge of the hat, the side edges of the V-shaped crown being straight at the front pointed end joined with convex portions in the central part and terminating in straight portions at the rear part of the side edges, the sides piece integrally forming a peak, sides and earlaps, said sides piece having a lower convex edge at its front central or peak part joined at its right and left with concave edge parts in turn joined with convex edge parts forming the earlaps, the upper edge of the sides piece being convex and having a V-shaped front central edge part joining at either end the said convex edge of the earlaps, the upper central and intermediate convex edge of the side piece being joined with the cooperative side edges of the crown piece in the formation of each said inner and outer member and said inner and outer members being stitched together along their conformative marginal edges to form the hat.

2,343,759
ELECTRIC SIGNALING SYSTEM
Frank Fairley and Raymond Walsh, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application June 17, 1942, Serial No. 447,394
In Great Britain September 15, 1941
12 Claims. (Cl. 179—84)



1. A selective electric wave receiver comprising filter networks of unlike frequency outputs, output connections from the respective filter networks to the opposite branches of a Wheatstone bridge network including resistances having negative temperature coefficient of resistance, and a signal receiving device connected to the output side of the bridge network and said receiving device being operative when the ratio of energy of one branch circuit to the other is greater than a given value.

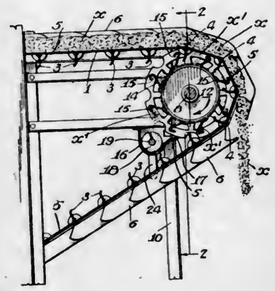
2,343,760
SMELTING OF DROSSES, MATTES, AND THE LIKE
Edward P. Fleming, Los Angeles, Calif., and Donald H. McIntosh, Corpus Christi, Tex., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 3, 1942, Serial No. 449,662
10 Claims. (Cl. 75—24)

1. Process of smelting copper-lead dross and the like containing substantial quantities of copper and lead which comprises treating the charge in a reverberatory furnace in the presence of sodium carbonate, litharge and a carbonaceous reducing agent in sufficient amount and at a temperature to cause a slag, and speiss to be formed in which speiss the copper to lead ratio is at least 5 to 1.

2,343,761
SMELTING COPPER-LEAD DROSSES AND THE LIKE
Edward P. Fleming, Los Angeles, Calif., and Donald H. McIntosh, Corpus Christi, Tex., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 21, 1943, Serial No. 499,550
12 Claims. (Cl. 75—24)

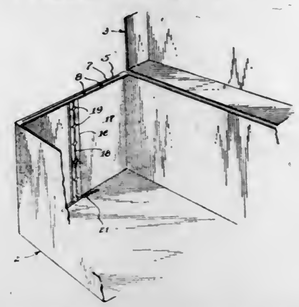
1. A process of smelting copper-lead dross and the like containing substantial quantities of copper and lead which comprises treating a charge of such material in a reverberatory furnace in the presence of a sodium sulphide matte forming compound, litharge and a carbonaceous reducing agent in controlled proportions and at a temperature to produce a layer of lead bullion, a layer of copper speiss having a copper to lead ratio at least 2.5 to 1 and a layer of sodium sulphide matte.

2,343,762
SIFTINGS COLLECTOR FOR ENDLESS BELT CONVEYERS
John Jay Franklin, Glenside, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application July 6, 1942, Serial No. 449,923
10 Claims. (Cl. 198—229)



1. The combination of a foraminous conveyer, means for guiding said conveyer in an arcuate path from a normal plane of travel, a rotary drum operating within the arc of deviation of said conveyer, and a series of buckets on the periphery of said drum for collecting material sifting through the conveyer in the locality of said deviation.

2,343,763
TRAVELING CASE
Annette Fridolph, New York, N. Y.
Original application August 20, 1936, Serial No. 97,035. Divided and this application March 26, 1941, Serial No. 385,255
3 Claims. (Cl. 190—41)



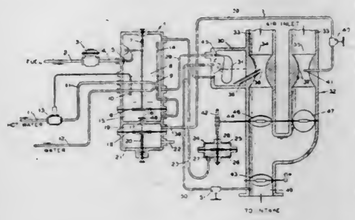
1. A traveling case comprising a main compartment and a hanger guide and support member formed as a part of one of the walls of said compartment, said member including relatively thin plate means spaced from said wall of the compartment, said plate means being provided with a slot and a plurality of spaced openings, and a hanger member having a neck portion and an enlarged head, said head being insertable in, or removable through, any one of said openings and slidable along said slot, and means located adjacent each opening adapted to retain the head of the garment hanger selectively between any two apertures of said support member.

2,343,764
BUILDING CONSTRUCTION
Richard Buckminster Fuller, New York, N. Y., assignor to The Dymaxion Company, Inc., Wilmington, Del., a corporation of Delaware
Application March 21, 1941, Serial No. 384,509
7 Claims. (Cl. 189—34)



1. A housing unit comprising substantially cylindrical side walls of sheet material held together by tension members, and resilient sheet material sprung into place inside said first mentioned sheet material to exert an outward pressure thereagainst, and increase the rigidity of said walls.

2,343,765
FUEL PROPORTIONING ARRANGEMENT
Owen L. Garretson, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 3, 1941, Serial No. 413,507
3 Claims. (Cl. 261—16)



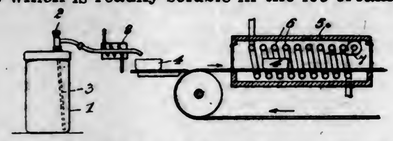
1. A fuel proportioning arrangement in an external combustion engine carburetion system adapted for handling fuels possessing a superatmospheric vapor pressure, comprising means separating said fuel into liquid and gaseous fuels, an intake tube for the liquid fuel and an intake tube for the gaseous fuel, each of said tubes including a venturi and a fuel nozzle, a passage for liquid fuel leading from the separating means connected with one nozzle and a passage for gaseous fuel leading from the separating means connected with the other nozzle, so that liquid and gaseous fuel flow is induced in accordance with air flow through said venturis, a valve in each of the intake tubes to control the air flow and thereby the fuel flow thereto, said valves being so connected that when one valve is moved toward closed position, the other valve is moved toward open position to vary the relative proportion of liquid and gaseous fuel induced in the branches by air flow through the venturis and means operably connected with valves and responsive to pressure variation of the gaseous fuel in the separating means, said means being adapted to move said valves in response to an increase of pressure to increase the flow of gaseous fuel and decrease the flow of liquid fuel through said intake tubes.

2,343,766
MODIFIED FUEL
Peter J. Gaylor, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application November 3, 1939, Serial No. 302,689. Divided and this application April 2, 1943, Serial No. 481,557
6 Claims. (Cl. 44—71)

1. An improved liquid fuel composition comprising a major proportion of a hydrocarbon liquid fuel base blended with a minor proportion of a soluble ester amide of carbonic acid in sufficient amounts above 1% to substantially lower the surface tension of the fuel.

2,343,767
ICE CREAM AND ICE CREAM MAKING
Charles Getz, Urbana, Ill., assignor, by mesne assignments, to Aeration Processes, Inc., Columbus, Ohio, a corporation of Ohio
Application July 8, 1936, Serial No. 89,512
8 Claims. (Cl. 99—136)

7. Ice cream having distributed therethrough minute gas cells containing a non-acid forming gas which is readily soluble in the ice cream mix



and which imparts substantially no odor or taste to the ice cream, said gas being present in effective amount.

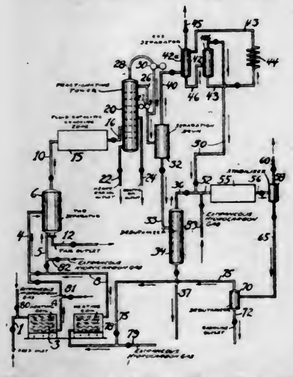
2,343,768
PREPARATION OF QUINONES
Carlin F. Gibbs, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 8, 1941, Serial No. 405,996
6 Claims. (Cl. 260—396)

1. In the process of manufacturing quinones which are volatile at reduced pressure by oxidizing arylamines in an aqueous medium, the step which comprises carrying out the reaction at a temperature of about 20° to 70° C. while continuously removing the quinones, in the form of vapor, at reduced pressure from the reaction mixture as they are formed.

2,343,769
ALIPHATIC AMINOACYL COMPOUND AND METHOD FOR PREPARING SAME
Hugh William Gray, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1941, Serial No. 412,603
4 Claims. (Cl. 260—404)

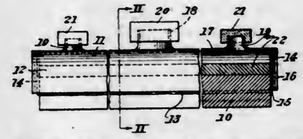
4. 4-aminostearic acid.

2,343,770
CHEMICAL PROCESS
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 21, 1941, Serial No. 384,447
4 Claims. (Cl. 196—52)



1. In the process of treating hydrocarbons to form gasoline, the improvement which comprises heating a topped crude petroleum oil to a temperature within the range of from about 700° F. to 900° F., separately preheating gas comprising C_3 and C_4 hydrocarbons to a temperature within the range of from about 900° F. to 1400° F., discharging the heated oil and the heated gas into a flash zone to assist in the vaporization of the volatile constituents of the oil, withdrawing oil vapors and gas from the flash zone, dispersing a powdered cracking catalyst in the vapors and gas, permitting the oil vapors and gas to remain in contact with the catalyst under cracking conditions for a sufficient period of time to effect cracking of the oil vapors and the gas, separating by fractional distillation the C_3 and C_4 hydrocarbons from the cracked products, causing conversion of the C_3 and C_4 hydrocarbons to products boiling within the gasoline range, separating C_3 and C_4 hydrocarbons from converted C_3 and C_4 hydrocarbons and recycling the separated C_3 and C_4 hydrocarbons to said flash zone and recovering gasoline from both the cracked oil and the C_3 and C_4 hydrocarbons.

2,343,771
METHOD OF MAKING COMPOSITE BILLETS
Carl W. Holmquist, Glassport, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania
Application November 10, 1941, Serial No. 418,504
3 Claims. (Cl. 22—203)



1. In a method of forming a composite billet suitable for rolling into sheets composed of base metal with a cladding layer of a different metal thereon, the steps including attaching to a billet of base metal an air-excluding mold chamber having a pouring opening with a removable closure, removing said closure, pouring a layer of cladding metal through said opening into said chamber and onto said base-metal billet, replacing said closure and when the layer has solidified, removing at least the portion of the mold chamber above the level of the upper surface of the layer.

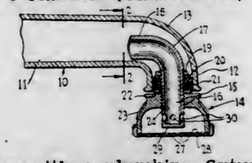
2,343,772
GEOCHEMICAL PROSPECTING
Leo Horvitz, Houston, Tex., assignor to Esme E. Rosaire, Houston, Tex.
No Drawing. Application November 18, 1939, Serial No. 305,171
2 Claims. (Cl. 23—230)

2. In the method of geochemical prospecting according to which soil samples are systematically recovered over an area to be investigated and subjected to a treatment for the determination therein of the quantity of a constituent significant of the existence of subsurface deposits, the steps of separating the clay from the sand in the sample and analyzing the clay portion for the aforesaid constituent.

2,343,773
NITRO-CHROMANE
Otto Hromatka, Darmstadt, Germany, assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 18, 1941, Serial No. 402,955. In Germany January 31, 1939
10 Claims. (Cl. 260—333)

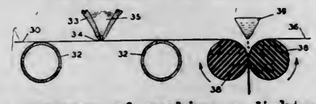
1. The process for the production of 2,5,7,8-tetramethyl-2-(4',8',12'-trimethyl-tridecyl)-6-nitro-chromane comprising reacting 6-hydroxy-3-nitro-1,2,4-trimethylbenzene with phytol, in the presence of an acidic substance.

2,343,774
FAUCET ATTACHMENT
Felix Klein, Bayside, Long Island, N. Y.
Application October 18, 1940, Serial No. 361,704
6 Claims. (Cl. 285—165)



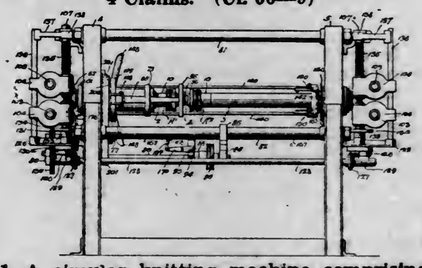
1. For use with a plumbing fixture having a discharge nozzle extending at an angle from a passageway, an attachment comprising a tubular member adapted to be received in said nozzle and having an angled extension at its inner end adapted to be received in said passageway in such manner that the side walls of said passageway act as a stop in cooperation with said extension to prevent rotation of said tubular member, an expansible member on said tubular member, and means supported on and rotatable relative to said tubular member to expand said expansible member.

2,343,775
PROCESS FOR FORMING SHEETS OR FILMS OF LIGHT-POLARIZING MATERIAL
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 12, 1942, Serial No. 468,778
10 Claims. (Cl. 88—65)



2. The process of making a light-polarizing body which includes the steps of advancing a sheet of transparent supporting material, simultaneously applying to a surface of said sheet a coating of a suspending medium having dispersed therethrough a mass of colloidal dichroic particles and containing a solvent, orienting by extrusion the polarizing axes of said particles in substantial parallelism prior to its application to said sheet of transparent material, and evaporating said solvent from said coating to cause said coating to set with said particles in permanent alignment and permanently secured to said base.

2,343,776
HORIZONTAL TUBE KNITTING MACHINE
Walter Larkin, Norristown, Pa., assignor to Fidelity Machine Company, Philadelphia, Pa., a corporation of Delaware
Application April 18, 1942, Serial No. 439,572
4 Claims. (Cl. 66—9)



1. A circular knitting machine comprising a knitting head having an axial bore extending

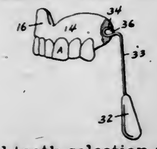
completely through said head, means supporting said head with its axis substantially horizontal, means for passing a core element axially through said bore comprising a pair of nip rolls at at least one end of said head, means for operating said head to knit a seamless tubular covering on said core element in transit through said head, means for driving one of said nip rolls in contact with one side of said core element, means for resiliently pressing the other of said nip rolls into contact with the opposite side of said core element to effect said advancing thereof, and means for adjusting the first of said nip rolls perpendicularly to the axis of said head to accommodate core elements of different diameters.

2,343,777

ARTIFICIAL TEETH SELECTION RIM

Albert Francis Lays, Pelham Manor, N. Y., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York

Application March 13, 1940, Serial No. 323,682
2 Claims. (Cl. 32—71)



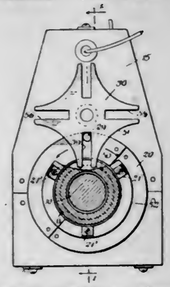
1. An artificial teeth selection rim comprising a body of rigid material arranged to approximately fit the dental arch of an individual, said body having recesses to receive and obscure the gingival ends of artificial teeth, said rim adapted to receive means for temporarily holding said teeth in position on said body, and a palate plate extending rearward of said body for supporting a spacer which may be pressed against the palate of said individual to hold said rim in position in the mouth.

2,343,778

DIRECTION INDICATOR

Henry M. Leonard, Brooklyn, N. Y.

Application May 27, 1941, Serial No. 395,331
2 Claims. (Cl. 200—59)



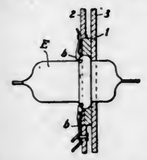
1. In combination with a steering wheel and housing therefor, a device for controlling a direction signal indicator comprising a disk mounted on the hub of said steering wheel and fixed with relation thereto, a base mounted on said steering wheel housing, a geneva mounted in said base, a pin on said disk engaging said geneva, arcuate contacts on said base, and a contact mounted on said geneva adapted to engage one of said arcuate contacts when said wheel is rotated in one direction and to engage the other one of said contacts when the wheel is rotated in the other direction.

2,343,779

HOLDER FOR THERMIONIC VALVES

Maurice Moise Lévy and Arthur Sydney Merritt, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application April 23, 1942, Serial No. 440,164
In Great Britain May 12, 1941
6 Claims. (Cl. 173—328)



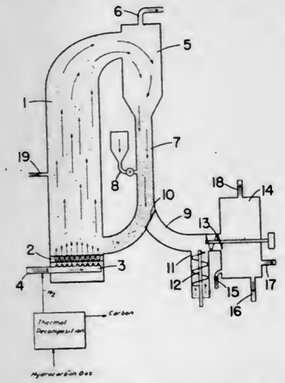
1. A holder for thermionic valves provided with electrode terminals which radiate out from and in a plane perpendicular to the axis of the valve comprising an annular member provided with radial grooves spaced to receive said terminals, a second annular member co-axially disposed thereto provided with contacts spaced to correspond to the spacing of said electrode terminals and positioned for engagement with the terminals, and means for rotatably securing said annular members together whereby by turning the first of said members in respect to the second, said terminals may be made to engage with or become disengaged from said contact.

2,343,780

REACTION BETWEEN SOLIDS AND GASES

Warren K. Lewis, Cambridge, Mass., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 1, 1941, Serial No. 405,033
10 Claims. (Cl. 75—26)



1. In the production of a metal from a finely divided reducible compound thereof, the steps of suspending said compound in a vertically rising stream of a reducing gas confined within a zone maintained at a reduction temperature below that at which the metal becomes plastic, maintaining a sufficient vertical gas velocity to prevent settling at the bottom of said zone and to cause the compound to move slowly upwardly throughout substantially the entire cross section of said zone with said stream but at lower velocity, in a dispersion having characteristics of a boiling liquid with respect to mass continuity and surface disturbance, and discharging the compound reduced at least in part from an upper part of said zone.

2,343,781

SPIRIT PRINTING COMPOSITION

Roy Clifford Locke, Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 15, 1943, Serial No. 487,151
3 Claims. (Cl. 106—30)

1. A spirit printing composition comprising a dyestuff from the basic dye class, a rosin selected from the group consisting of unsaturated and saturated abietic acids, and an oxygenated organic solvent, having a boiling point within the range from 30° C. to 200° C.; said rosin and dyestuff being present in a minimum ratio of 3:1 by weight, and said solvent being present in sufficient quantity to form a dye concentration within the range of 0.25% to 4% by weight.

2,343,782

SPIRAL HAIRBRUSH

Fred Hermann Lotters, Albany, N. Y., assignor to Mohawk Brush Company, Albany, N. Y., a corporation of New York

Application December 16, 1941, Serial No. 423,214
5 Claims. (Cl. 15—160)



1. A hair brush of the type manipulated by a rotary wiping movement through the hair, comprising a handle and a core forming a longitudinal extension of the handle, said core having a transversely convex face, the arcuate amplitude of said face being less than the transverse perimeter of said core, a bristle head emanating from said core face comprising a plurality of relatively divergent rows of bristle tufts secured to said core face, including the leading and trailing rows, along parallel lines inclined with respect to longitudinal elements of said core face.

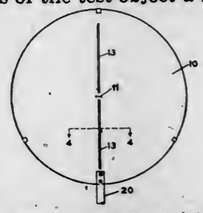
2,343,783

APPARATUS FOR SUBJECTIVE REFRACTION OF THE EYES

Matthew Luckiesh, Shaker Heights, and Frank K. Moss, Cleveland, Ohio

Application March 31, 1941, Serial No. 386,102
1 Claim. (Cl. 88—20)

In apparatus for subjective refraction of the eyes, a visual field unit comprising a member having a visual field provided with a central elongated test object, slits formed in said field on opposite sides of the test object, translucent media covering said slits, and means behind the visual field for illuminating said media to produce on opposite sides of the test object a band of brightness having gradually diminishing brightness from its axis to its outer edges.

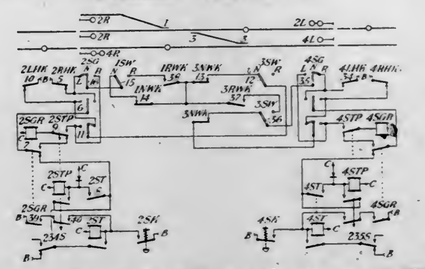


2,343,784

CENTRALIZED TRAFFIC CONTROLLING SYSTEM

Ronald A. McCann, Swissvale, and Lloyd V. Lewis, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 8, 1942, Serial No. 450,100
14 Claims. (Cl. 246—5)



1. In combination with a code type communication system connecting an office and a station, a railway track switch and a signal governing traffic movements over said switch located at said station, a normal and a reverse indication relay at the office for indicating the position of the switch, means for initiating the transmission of an indication code by the communication system in response to the operation of the track switch to normal or reverse to energize the corresponding normal or reverse indication relay, a switch lever, a signal lever, and a starting button at the office, means for initiating the transmission of a control code by the communication system in response to an operation of said starting button to control the switch and signal in accordance with the positions of their respective levers, such code being effective to clear the signal only if the normal or reverse indication relay is energized and the switch lever occupies a corresponding normal or reverse position when the code is initiated, and means for deenergizing the normal or reverse indication relay upon the initiation of a control code provided the switch lever has been moved to a position out of correspondence with the position of the switch indicated by that relay.

2,343,785

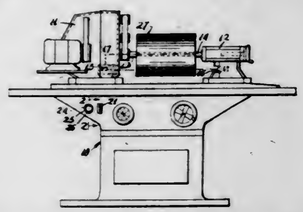
TAPER PREVENTING PHOTOELECTRIC CELL DEVICE

Bernard S. McLaughlin, Jr., Brooklyn, N. Y., and Jack Henry Zyerveld, Chester, Pa.

Application February 10, 1943, Serial No. 475,378
5 Claims. (Cl. 33—46)

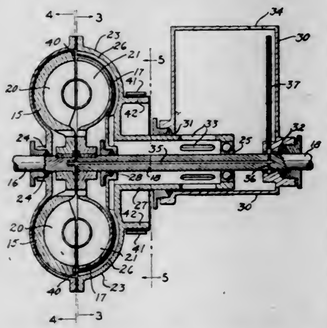
1. In combination with the tailstock and headstock of a lathe or other machine tool, an ex-

citer lamp mounted on said machine tool in the vicinity of said headstock, a photoelectric cell controlled switch mounted on said machine tool in the vicinity of said tailstock, said exciter lamp and photoelectric cell being identically positioned with respect to the headstock and tailstock, and



a member with recessed points for mounting between said tailstock and headstock and having an aperture parallel with the line determined by said points and controlling the passage of a beam of light from said exciter lamp to said photoelectric cell switch.

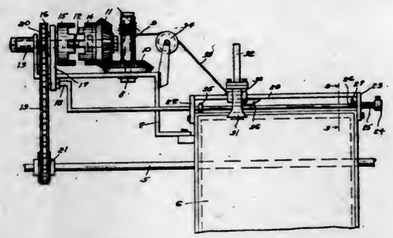
2,343,786
FLUID COUPLING
Charles L. Martin, St. Louis, Mo.
Application July 18, 1941, Serial No. 402,937
8 Claims. (Cl. 60—54)



1. In a fluid coupling, a driving shaft, an impeller wheel secured to said driving shaft, a driven shaft, a turbine wheel secured to said driven shaft and cooperating with said impeller wheel to form a working chamber, a freely rotatable shell enclosing said wheels, means for braking said shell, a fluid reservoir, and passageways carried by said shell for conducting fluid from the periphery of said wheels to said reservoir when said shell is braked, said passageways being constructed and arranged to conduct fluid from said reservoir to said wheels when said shell is free to rotate and constituting the sole connection between said working chamber and said reservoir.

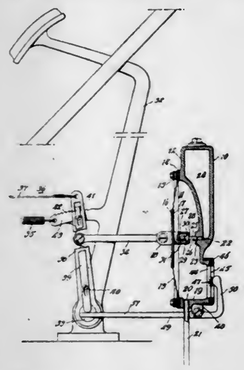
2,343,787
DRIVE MECHANISM FOR STRIPPERS OF CARDING MACHINES
Walter Q. Martin, Hickory, N. C.
Application September 5, 1942, Serial No. 457,505
3 Claims. (Cl. 19—109)

3. In combination, a doffer for a carding machine, a suction nozzle, means slidably supporting the nozzle for movement transversely of the doffer, power operated means for moving the nozzle in one direction and including a clutch device, a clutch operating member, spring means for moving the member into clutch engaging position, a trip device adapted for retaining the clutch operating member in its disengaged position, means



carried by the nozzle and arranged for releasing the trip device upon movement of the nozzle in one direction, and means carried by the clutch operating member and disposed in the path of opposite movement of the nozzle for disengaging the clutch.

2,343,788
HYDROMECHANICALLY CONTROLLED MECHANISM
John F. Moran, Brooklyn, N. Y.
Application March 7, 1941, Serial No. 382,212
20 Claims. (Cl. 188—106)

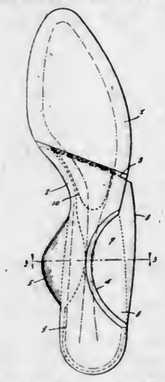


1. The combination of hydraulically actuated mechanism, pressure creating means operatively connected to said mechanism to actuate the same, said pressure creating means including a casing outlined in part by a pressure actuated wall, power means engaging said wall for actuating said pressure means, mechanically actuated mechanism, latch means normally connecting the power means with the mechanically actuated mechanism to cause the power means, at least during its initial movement, to actuate simultaneously both the mechanically actuated mechanism and the pressure creating means, and release means including a lever carried by the casing and responsive to pressure generated in the casing during the initial movement of the power means to shift the latch means into an inoperative position and thus inactivate the normal operative connection between the power means and the mechanically actuated mechanism but to cause the power means to continue to operate the mechanically actuated mechanism on an initial or subsequent failure of the pressure creating means to function.

2,343,789
IMPROVING QUALITY OF OXIDIZED ASPHALTS
Kenneth G. Morris, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 8, 1941, Serial No. 373,613
3 Claims. (Cl. 196—74)

1. An improvement in the manufacture, by oxidation, of coating asphalts which comprises blending 15–70% of 350° to 460° F. flash point oil, such as would be obtained as overhead distillate from a petroleum reduced crude, with 85–30% of 150 to 290° F. softening point asphalt and oxidizing to produce an asphalt having a softening point-penetration relationship of 218° to 222° F. softening point and 18 to 22 penetration at 77° F./100 grams/5 secs.

2,343,790
SHOE INNER SOLE
Hugh J. Nicholl, Humboldt, Tenn.
Application September 22, 1941, Serial No. 411,772
3 Claims. (Cl. 36—71)

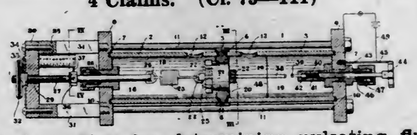


1. An inner sole for shoes having secured on the upper surface thereof a supplemental sole extending from a point approximately beneath the base of the five metatarsal bones of the foot to the rear of the foot arch, said supplemental sole having a portion intermediate of its ends cut away at a point approximately beneath the cuboid bone of the foot and being of a width at its forward end equal to the width of the inner sole, and a cushioning pad interposed between the supplemental sole and the inner sole, said pad being exposed by the cut-away portion of the supplemental sole, forming a self-adjusting socket to support the outer longitudinal arch and relieve pressure on the cuboid bone.

2,343,791
RECOVERY OF ALKYLATION ACIDS
John A. O'Dell, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 27, 1941, Serial No. 408,467
2 Claims. (Cl. 23—172)

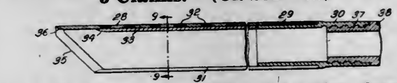
1. In the recovery of spent sulfuric acid alkylation catalyst of about 85 to 92% titratable acidity and containing about 1 to 10% of organic matter, the catalyst having been used for the alkylation of isoparaffins with olefins, the steps which comprise, diluting the spent acid with an amount of water sufficient to give on separation an acid of about 30°–40° Bé. gravity and adding to approximately four volumes of the spent acid approximately one volume of petroleum acid sludge formed by the sulfuric acid treatment of petroleum products, heating the mixture of spent acid, water and sludge and stratifying whereby the mixture settles in from one to twelve hours into a top oily layer containing the organic material and into a bottom layer of separated diluted acid.

2,343,792
APPARATUS FOR MEASURING PULSATING FLUIDS
John E. Overbeck and Samuel R. Beitler, Columbus, Ohio
Application June 11, 1941, Serial No. 397,590
4 Claims. (Cl. 73—111)



1. Apparatus for determining pulsating fluid flow in conduit systems, comprising a cylinder, a piston slidably mounted in said cylinder, said piston being spaced from the end walls of the cylinder to produce on the opposite sides thereof high and low pressure fluid chambers, a piston rod slidably projecting through the high pressure end of the cylinder, spring means uniting the inner end of said piston rod with said piston, threaded means cooperative with the outer end of said rod for varying the tension of said spring means to control the resistance of said piston to movement in response to unbalanced fluid pressures on opposite sides thereof, and indicating means cooperative with said piston rod externally of said cylinder to provide a visual indication of the extent of adjustment of said threaded means in resisting movement of said piston.

2,343,793
CORE BREAKING AND WITHDRAWING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 3, 1940, Serial No. 350,632
3 Claims. (Cl. 255—72)



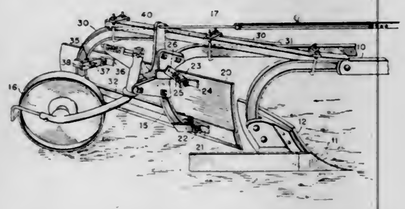
1. In an apparatus of the character described, a core breaker adapted for insertion in an annular kerf and comprising a cylindric core-receiving tube adapted to receive the core and having core breaking means for applying a lateral wedging force to the core, said tube formed to provide yieldable side walls which have spaced apart free edges and which are constructed and arranged to yield outwardly relatively to each other to receive a core and thereupon frictionally to grip the core by the inherent resilience of said walls.

2,343,794
REFINING OF MINERAL OILS
Henry C. Paulsen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 24, 1941, Serial No. 390,133
6 Claims. (Cl. 196—32)

1. Process for the removal of mercaptan com-

pounds from oil which comprises contacting a feed oil containing mercaptan compounds with a treating agent comprising an alkali metal hydroxide solution and morpholine.

2,343,795
EARTH MOVING MACHINE
James J. Pellett, Freehold, N. J., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application February 20, 1943, Serial No. 476,524
2 Claims. (Cl. 37—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



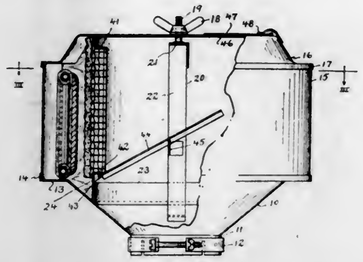
1. An earth moving machine comprising a forward beam for carrying a suction type plow share, a mold-board mounted on the beam, a rearward beam, an auxiliary beam laterally spaced from the rearward beam, means rigidly fixing all the beams together, and a blade attached to the rearward and auxiliary beams set at an angle to the direction of motion of the machine, one end of the blade being positioned immediately behind the mold-board, whereby soil delivered from the mold-board onto the blade is conveyed laterally of the direction of motion of the machine.

2,343,796
CARBON PACK FOR MANIFOLD TYPEWRITERS
Laurence A. Petit, Chicago, Ill.
Application July 3, 1942, Serial No. 449,547
2 Claims. (Cl. 282—1)



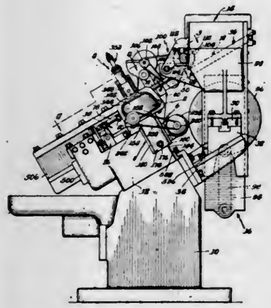
1. A supporting member for a carbon pack for use in a manifolding typewriter or the like comprising a sheet folded substantially midway of its longer dimension, said sheet having a pocket formed adjacent the folded end thereof and having provided adjacent one of the free ends of the sheet means for detachably mounting the carbon pack and supporting the same between the free ends of the sheet.

2,343,797
CARBURETING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Emery E. Phillips, Pittsburgh, Pa., assignor to Bocjl Corporation, a corporation of Delaware
Application July 27, 1942, Serial No. 452,404
6 Claims. (Cl. 261—97)



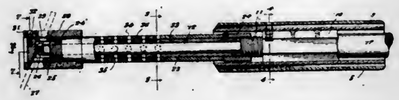
1. An auxiliary carbureting device of the class described comprising a casing with a partition forming a central chamber and a surrounding chamber, a radial partition across the surrounding chamber, there being an opening through the casing into the surrounding chamber adjacent one side of the radial partition, there being an opening from the central chamber to the surrounding one adjacent the other side of the radial partition, and a concentrically arranged wick structure in the outer chamber coextensive with the greater portion of the extent of said surrounding chamber.

2,343,798
SCREW AND WASHER ASSEMBLY MACHINE
Ougljesa J. Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application July 1, 1939, Serial No. 282,517
33 Claims. (Cl. 29—84)



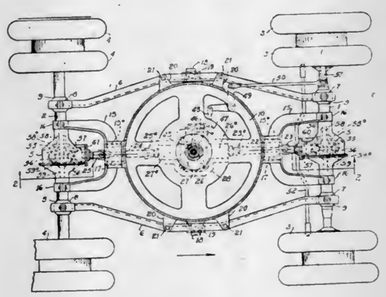
1. An auxiliary mechanism or attachment for a machine having screw element feeding means, said mechanism or attachment comprising a washer container, a movable device receiving screw elements from the screw element feeding means and assembling screw elements with washers, a rotary member associated with the washer container for feeding washers to a position in the path of movement of a screw element received by said device, means for operating said device including a rotary operating member co-axial with said rotary member and means for rotating said co-axial rotary members in proper timed relation.

2,343,799
WELDING TOOL
John M. Radabaugh, Mount Vernon, Ohio
Application August 6, 1942, Serial No. 453,861
7 Claims. (Cl. 219—8)



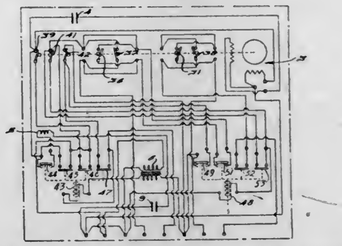
4. A welding bar holder comprising a longitudinally adjustable electrode having a threaded portion, a tube surrounding the electrode and provided with threads engaging the threads on the electrode, a welding bar supporting tip secured to the tube, means for connecting the electrode to a power cable, an insulating jacket detachably secured to and surrounding the tip and provided with interior angular walls engaging said tip and defining air passages, the end of the jacket being spaced longitudinally from the adjacent end of the tip to form a guard to prevent grounding of the holder, and a handle connected with the electrode for rotating the electrode into clamping engagement with the welding bar.

2,343,800
VEHICLE CONSTRUCTION
John D. Rauch, Lima, Ohio
Application October 25, 1941, Serial No. 416,557
16 Claims. (Cl. 180—49)



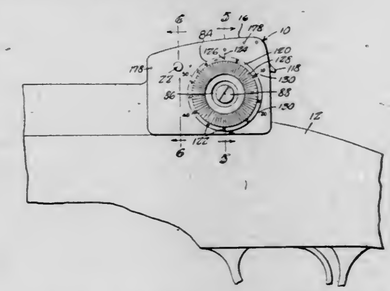
1. In a vehicle structure of the class described, in combination, front and rear axle and wheel units, frame or chassis means connecting said units comprising side frame members having universal joint connections at the ends thereof with the axle and wheel units, one of said axle and wheel units being equipped with transmission gearing intermediate its ends for driving the wheels thereof, a body supporting member, bearing means intermediate the side frame members and the side portions of the body supporting member, longitudinally disposed bearing means intermediate the body supporting member and said transmission equipped axle and wheel unit, drive mechanism carried by the body supporting member, and drive shaft means intermediate said drive mechanism and the transmission gearing of said axle and wheel unit, said drive shaft means being disposed co-axial with the bearing means between the body supporting member and the transmission equipped axle and wheel unit.

2,343,801
METHOD AND SYSTEM OF MOTOR CONTROL AND SWITCH OPERATED THEREBY
Frank H. Roby, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Original application April 21, 1941, Serial No. 389,548. Divided and this application September 10, 1942, Serial No. 457,863
8 Claims. (Cl. 172—239)



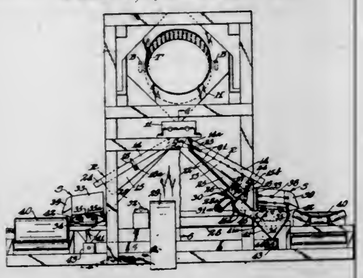
1. A motor driven timing switch comprising a plurality of sets of cooperating contacts, motor driven means for effecting sequential operation of said contacts, control means for the motor, a condenser, and means connecting the condenser in parallel with the motor winding to discharge therethrough when the control means is operated to disconnect the motor, means for effecting the final opening of the circuit to disconnect the motor when the current therethrough has a predetermined instantaneous value so as to effect a predetermined charge on the condenser when the circuit is discontinued, said condenser discharge effectively braking the motor and driven means to a stop in a predetermined position so that the contacts will be operated in proper sequence when the motor is again started.

2,343,802
GUN SIGHT
Carl E. Rodney, Millet, Alberta, Canada
Application November 13, 1941, Serial No. 418,999
10 Claims. (Cl. 33—56)



1. In a gun sight, the combination of a support, a rotary pin carried by said support transversely of the line of sight, a body pivoted on said pin, a sighting element pivoted on said body for movement about an axis at right angles to the axis of said pin, said pin being provided with screw threads, threads on said sighting element engaging said screw threads to impart pivotal movement to the sighting element for windage adjustment through rotation of said pin, means for rotating said pin, and a rotary cam acting on said body to pivot the body on said pin and adjust the sighting element for elevation.

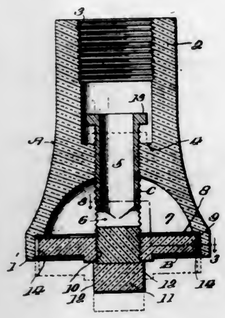
2,343,803
APPARATUS FOR DRY SEPARATION OF HEAVY MINERAL PARTICLES FROM ORE MATERIAL
Andrew E. Rothgarn, Fresno, Calif.
Application March 21, 1941, Serial No. 384,450
2 Claims. (Cl. 209—475)



1. In apparatus for dry separation of heavy mineral particles from ore material, a rectangular riffle table, the upper side of which is subjected constantly to only atmospheric pressure, said table having an inclined substantially flat top constructed throughout of air pervious flexible sheet material, a substantially rigid netting supporting said top flatwise, a series of riffle ribs extending across said top transversely of the normal direction of travel of said ore material, means for continuously and uniformly introducing ore material across the entire width of the upper end of said riffle table, a rectangular air chamber below said top substantially co-extensive in area with said top and communicating at its upper portion with the entire area of said top, the space in said chamber for some distance below said top being unobstructed, an upwardly extending air entrance communicating with the bottom of said chamber, said chamber tapering in height from the area above said air entrance to the portions thereof adjacent the upper end of said riffle table, a baffle plate disposed in said air chamber and extending upwardly from a point adjacent to said air entrance for causing uniform distribution of air against the bottom of said riffle table top, a power source of continuous air supply under pressure, and a valve for suddenly and intermittently connecting the full volume of said source with the full cross sectional area of said air entrance.

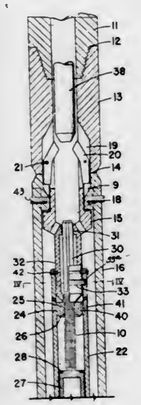
2,343,804
SPRAY DEVICE
William C. Salemme, West Orange, N. J., assignor to Plastic Engineering Corporation, West Orange, N. J., a corporation of New Jersey
Application July 31, 1942, Serial No. 453,067
1 Claim. (Cl. 299—141)

In a spray device of the character described, a bell having a mouth end, a neck end adapted to be connected to a fluid supply means, and an axially apertured division wall between said mouth and neck ends; a disc having its outer edge formed to fit within said bell mouth closely but to permit flow between said disc and said mouth; a seat in said bell mouth cooperable with said disc outer edge for varying the character of the spray in response to adjustment of the disc axially with respect to the bell; a stem connected to said disc to move therewith and extending through the aperture in said division wall and having adjustable threaded engagement with said wall and projecting into the neck end of said bell; a flange integral with said projecting stem end engageable with said wall for limiting movement of said stem and disc axially away from said bell neck end; and a passage in the stem extending axially from the flanged end of said



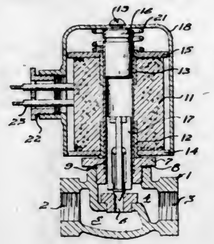
stem and radially into said bell between said division wall and said disc for conducting fluid from the neck end of the bell to the mouth end thereof.

2,343,805
PRESSURE CORE BARREL
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 15, 1941, Serial No. 419,257
4 Claims. (Cl. 255—72)



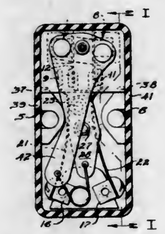
1. A pressure core barrel adapted to be arranged in a drill stem adjacent a core bit comprising, in combination, a first cylindrical member, a second member for receiving a core arranged for longitudinal movement with respect to said first member, means adapted for rotating said second member with respect to said first member, means arranged for withdrawing said second member within said first member upon said rotation, means arranged for sealing the upper end of said first member upon rotation of said second member with respect to said first member, and means arranged for sealing the lower end of said first member upon rotation of said first member with respect to the core bit.

2,343,806
VALVE
Donald W. Scofield, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application August 20, 1941, Serial No. 407,598
4 Claims. (Cl. 137—139)



1. An armature member for an electromagnetically operated valve comprising a plurality of stamped members, each of said stamped members including a pair of spaced, elongated leg portions, said stamped members being interengageable and having the leg portions thereof similarly directed, a valve member, an integral head thereon, said leg portions of said stamped members cooperating with one another to define a substantially enclosed space within which said head is disposed and is axially movable, and means provided by said leg portions to retain said head therebetween thereby effecting a lost motion connection between the valve member and said stamped members.

2,343,807
ELECTRIC SWITCH
Carl A. Schaefer, Whitefish Bay, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application March 14, 1942, Serial No. 434,645
11 Claims. (Cl. 200—67)



1. In an electric switch, an insulating base, a stationary contact on said base, a movable contact, an elongated resilient contact arm having one end fixedly secured to said base and carrying said movable contact adjacent its free end and normally biasing it into engagement with said stationary contact, a movable member mounted on said base and movable to effect movement of said contact arm against its bias to contacts disengaged position, an overcenter spring for actuating said movable member, and means including said resilient contact arm operable to change the direction of the line of force of said overcenter spring to effect snap movement of said movable member and permit said contact arm to move to contacts engaged position with a snap movement.

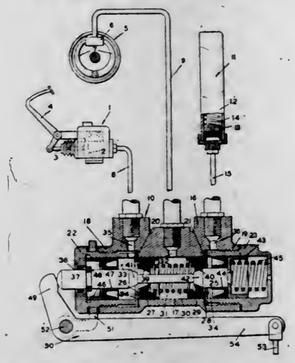
2,343,808
NITROGENOUS CONDENSATION PRODUCTS
Paul Schlack, Berlin-Treptow, Germany; vested in the Alien Property Custodian
No Drawing. Application September 27, 1940, Serial No. 358,695. In Germany May 17, 1939
6 Claims. (Cl. 260—2)

1. A process for the production of nitrogeneous linear condensation products which comprises subjecting to condensation conditions a diurethane with a bifunctional compound of the formula:

$$HX—(CH_2)_x—NH—Y—NH—(CH_2)_x—XH$$

wherein X is selected from the group consisting of O and S, x is at least 2, and Y is a bivalent radical selected from the group consisting of —CO—CO— and —CO—R—CO—, wherein R is a bivalent hydrocarbon radical.

2,343,809
FLUID PRESSURE SYSTEM
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 14, 1942, Serial No. 426,699
14 Claims. (Cl. 60—54.5)

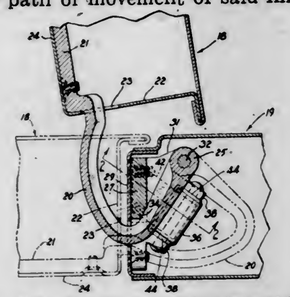


1. In a fluid pressure system having a source of pressure and a fluid pressure actuated device connected thereto, a chamber provided with a yieldable wall, means comprising a control valve mechanism operable at will for connecting the chamber to the fluid pressure actuated device and for substantially simultaneously trapping fluid under pressure in said device and in the chamber and thus permitting release of pressure from the source without release of the device, and means associated with said control valve mechanism for automatically releasing the trapped fluid pressure and disconnecting the chamber from said device when fluid pressure from the source is again developed and then released.

2,343,810
COMBINED DOOR-HINGING, DOOR-CHECKING, AND DOOR-HOLDING DEVICE
Rudolph L. Schonitzer, Shaker Heights, Ohio
Application August 2, 1940, Serial No. 349,888
2 Claims. (Cl. 16—140)

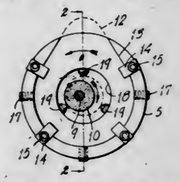
1. A combined door-hinging and door-holding device, comprising a hinge leaf of generally gooseneck form for securement to a door and for extension into the door supporting structure through an opening in the hinge edge wall thereof, a bracket for enclosure by said door supporting structure, said bracket having a base for rigid

securement to said door supporting structure and also having a pair of spaced and generally parallel rigid lugs connected to said base and to which lugs said hinge leaf is pivotally connected for swinging movement therebetween, each of said lugs having a pair of spaced and slotted ears, the slots of said ears extending substantially normal to the plane of movement of said hinge leaf, an elongated roller mounted in the slots of the ears of each of said lugs, said rollers being disposed in generally parallel relation and said ear slots permitting said rollers to be bodily moved into and out of the path of movement of said hinge leaf,



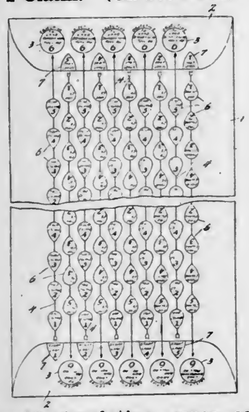
and a pair of leaf springs carried by said bracket and effective upon said rollers to normally urge said rollers into the path of movement of said hinge leaf, whereby when said door reaches a predetermined open position, said rollers are engaged by said hinge leaf and upon further opening movement of said door, said rollers are divergently or oppositely moved by said hinge leaf to permit said hinge leaf to pass between and substantially beyond said rollers, the return of said rollers into the path of movement of said hinge leaf after said hinge leaf has passed substantially beyond said rollers enabling said rollers to yieldingly resist closing movement of said door.

2,343,811
PRECISION GRINDING MACHINE
Elmer C. Shugars, Muskegon, Mich.
Application November 5, 1943, Serial No. 509,035
10 Claims. (Cl. 51—50)



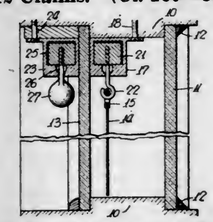
1. The combination with a machine of the class described including a head stock provided with a work chuck and a reciprocable tail stock provided with a tool chuck and with lateral feed means, of a work holder adapted for mounting in said head stock chuck and to support work to be internally ground with its axis in alignment with the axis of the head stock, said work holder having a bore at the inner side of the work of a diameter substantially exceeding the internal diameter of the finished work, a plurality of diamond supporting posts provided with diamonds radially adjustable on said work holder to project into said bore thereof, means for securing said posts in predetermined adjusted positions within said bore, and a grinding wheel of less diameter than the internal diameter of the finished work carried by said toil stock and adapted to be reciprocated through the work in grinding relation thereto and in said bore into dressing relation with the diamonds whereby on the completion of the grinding of the work the grinding wheel dressing diamonds constitute gauges determining the internal diameter of the finished work.

2,343,812
GAME
Francis Sikora, Canton, Ohio
Application July 8, 1942, Serial No. 450,193
1 Claim. (Cl. 273—134)



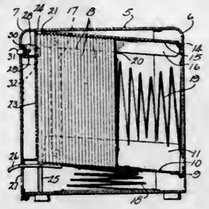
A bomb-raid simulating game comprising a game board of elongated shape, lines transversely inscribed on said board adjacent its ends defining flying field areas, a plurality of parallel lines each defining a course of flight for a game piece, said courses originating in zones representing take-off lanes and terminating in objective zones representing bombing objectives, alternate courses being of contrasting colors and the starting and objective zones of alternate courses being located within the flying field areas at opposite ends of the board, island-areas located at spaced intervals along said courses, the number of islands for the courses extending in both directions being equal, said islands each having a pointed end to indicate the direction of the course and being inscribed with numerals, and said starting and objective zones also being inscribed with numerals, and a plurality of game pieces simulating miniature aircraft and being colored to identify themselves with the courses of corresponding color.

2,343,813
MAGNETICALLY CONTROLLED ELEMENT
Lester S. Simon, Larchmont, N. Y.
Application June 25, 1943, Serial No. 492,239
12 Claims. (Cl. 160—340)



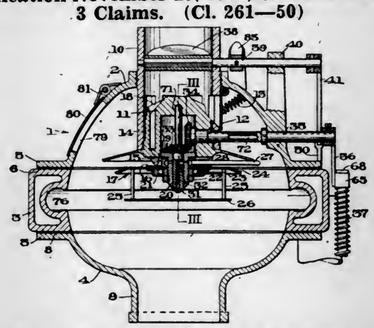
1. In a window having spaced parallel panes, a movable element in the space between them, and magnetic means for moving said element.

2,343,814
NAPKIN DISPENSER
Norman J. Slye and Archibald S. Krueger, Green Bay, Wis., assignors to Alwin Manufacturing Company, Green Bay, Wis., a corporation of Wisconsin
Application September 2, 1941, Serial No. 409,170
10 Claims. (Cl. 312—62)



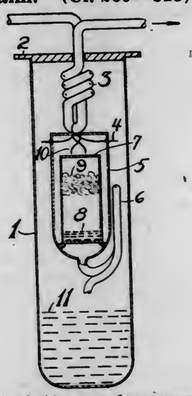
9. A dispensing cabinet for napkins and the like having a wall provided with an outfeeding slot, in combination with an interior bearing plate in a plane adjacent one side margin of the slot, a reciprocable holder for articles deliverable through said slot, means associated with the holder for pressing the articles against said bearing plate with the leading article in a plane which includes the slot, means for preventing reciprocation of the leading article, and means for reciprocating the holder and the following articles away from and toward the slotted wall to eject the leading article by the friction of the following articles thereon when the holder is approaching said slotted wall.

2,343,815
CARBURETOR
Charles R. Snyder, Miami Beach, Fla.
Application November 19, 1941, Serial No. 419,758
3 Claims. (Cl. 261—50)



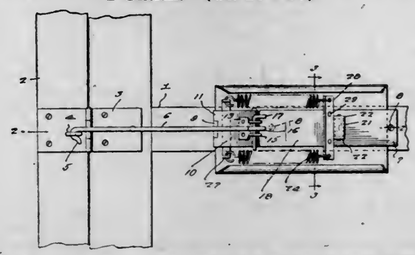
1. In a carburetor of the type having a mixing chamber with air inlet and carbureted fuel outlet ports and fuel vaporizing means, a throttle valve disposed between the fuel vaporizing means and said air inlet port, means for conducting fuel under pump pressure to said vaporizing means, valve means in said fuel conducting means for governing the flow of fuel therethrough, an extensible link connecting said fuel and throttle valves, resilient means cooperating with said link to normally maintain the same in its shortest condition, said link providing for simultaneous movement of said fuel and throttle valves, a piston connected for movement with said throttle valve, a fluid-receiving cylinder surrounding said piston and in which the same is slidably positioned, conduit means connecting the spaces on opposite sides of said piston, valve means in said conduit means, and means controlled by suction in the mixing chamber of the carburetor for actuating said valve, the presence of suction within said mixing chamber serving to open said valve to permit fluid flow through said conduit means.

2,343,816
RECOVERY OF ISO-OLEFIN POLYMERS
William J. Sparks, Alexandria, Va., and Emile L. Baldeschwieler, Cranford, and Julius V. Sommer, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application December 16, 1939, Serial No. 309,522
1 Claim. (Cl. 260—818)



A process for isolating and recovering pure isobutylene polymers of high molecular weight from a vulcanized composition of said polymers and natural rubber, which comprises extracting said polymers with naphtha hydrocarbons at temperatures within the range of about 100° F. to 600° F., separating a clear homogeneous solution of said polymers in the naphtha hydrocarbons from an undissolved portion of said vulcanized composition, adding to said solution methyl alcohol in a proportion to precipitate the polymers therefrom while maintaining the remainder of said solution containing the added methyl alcohol in a single liquid phase, and separating the polymers thus precipitated from said solution.

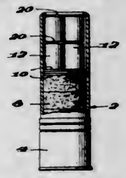
2,343,817
DOOR OR GATE CLOSER
Bush Strosnider, Ashland, Ky.
Application March 2, 1943, Serial No. 477,730
1 Claim. (Cl. 16—80)



A closing device for hinged doors comprising a door-closing rod, means for connecting one end of the rod to the door on one side of the axis of hinging movement thereof, and means to yieldingly impart end thrust to said rod in the direction of said door comprising an elongated track bar adapted to be secured to a wall to extend

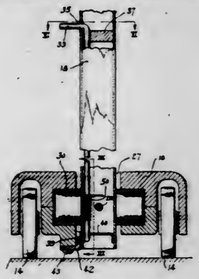
lengthwise horizontally along the same on the other side of said axis, a rod-operating lever hinged at one end to one end of said bar for swinging movement horizontally toward and from the door, operating connections between said lever and the other end of said rod, and devices tending to urge said lever toward said door including a spring tensioned pusher bar riding on said track bar, and pivotally connected at one end to the outer end of said lever with the other end thereof having a roller therein engaging said track bar.

2,343,818
MULTIMISSILED SHOTGUN SHELL
Everett M. Sweeley, Twin Falls, Idaho
Application November 9, 1942, Serial No. 465,023
7 Claims. (Cl. 102—42)



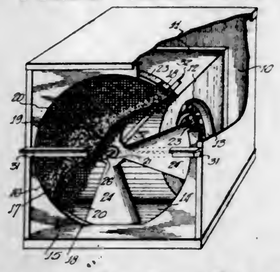
1. A projectile having leading and trailing end surfaces comprising a group of three parallel elongated and substantially cylindrically shaped missiles, each of said cylinders being provided with an exterior wall surface adapted to be held in contact with the exterior wall surface of each of the other two cylinders thereby forming a centrally located interstice, the leading and trailing end surfaces of each of said cylinders lying in planes perpendicular to the longitudinal axes of said cylinders, and means secured to the leading end surface of said group and extending across the mouth of said interstice for sealing one end of said interstice against the entry of air.

2,343,819
SUCTION CLEANING APPARATUS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1942, Serial No. 467,921
10 Claims. (Cl. 306—13)



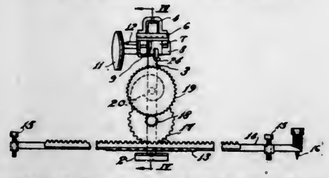
1. In a suction cleaner, a casing, an arcuately movable handle for propelling said casing, fixed engaging means carried by said casing, a second engaging means carried by said handle and movable therewith, said second engaging means being rotatable in one direction, about an axis extending longitudinally of said handle, into engagement with said fixed engaging means, and in the opposite direction for disengagement from said fixed engaging means.

2,343,820
EVAPORATIVE COOLING UNIT
Richard D. Thornton, Austin, Tex., assignor of one-half to George W. Thornton, Dallas, Tex.
Application November 23, 1942, Serial No. 466,635
5 Claims. (Cl. 261—30)



1. In an evaporative air cooling apparatus, a cabinet having openings in each end and a liquid reservoir in the bottom thereof, a fan in said cabinet for moving air therethrough, a panel adapted to be mounted in one end of said cabinet and having a central opening therein, a circular pervious air filter mat, a pair of screens between which said mat is interposed and having annular relatively telescoping flanges forming with said screens a casing for said mat, said flanges being provided with aligned and circumferentially spaced apertures, a series of radial vanes overlying one of said screens and against which air is drawn by said fan to effect rotation thereof and said mat, a cup covering each of the aligned apertures in said flanged elements, a shaft rotatably supported centrally of the opening in said panel and on which said mat casing is mounted for rotation whereby said cups will successively enter said reservoir and elevate water therefrom to be deposited onto said mat through said apertures.

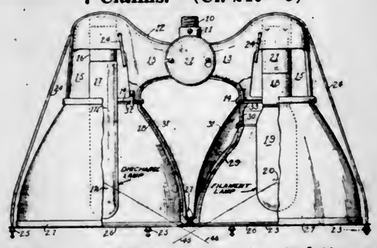
2,343,821
PLANIMETER
Gerhard Tichauer, Oranjezicht, Cape Town, Cape Province, Union of South Africa
Application October 6, 1942, Serial No. 460,941. In the Union of South Africa November 27, 1941
9 Claims. (Cl. 33—122)



1. A device for measuring areas of plane surfaces comprising a frame having top and bottom portions, bearings disposed in said top and said bottom portions, a spindle vertically mounted in said frame between said bearings whereby said spindle is rotatable between said bearings and the vertical axis of said spindle coincides with the polar axis of said device, a stylus-like tracing point secured to a tracing arm, said tracing arm being slidably mounted in a guide attached to said spindle, a gear train attached to said spindle, a spirally contoured cam attached to said spindle, a slidable friction rod disposed within a bore formed in the top end of said spindle, the axis of said rod coinciding with said polar

axis of said spindle, a gear pinion keyed to said spindle and disposed adjacent said top end thereof, guide means on said top portion of said frame, a block slidably mounted in said guide means, a metering device mounted on said block, a conical friction roller rotatably mounted on said block, the periphery of said conical roller being adapted to bear against the exterior surface of said rod, a gear rack carried by said tracing arm, said gear rack meshing with said gear train to produce rotation thereof upon radial movement of said tracing arm, said gear train being connected with said cam to produce rotation thereof, said friction rod having one of its ends in engagement with the periphery of said cam whereby movement of said rod is a function of the second degree, means disposed on said block cooperating with said pinion to move said block upon angular rotation of said tracing arm, an area registering device mounted on said block, said area registering device being operable upon rotation of said conical roller, whereby area registering operation of said area registering device is a quadratic function of the radial movements and a linear function of the angular movements of said tracing arm.

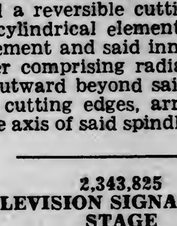
2,343,822
LIGHTING SYSTEM AND LIGHTING UNIT FOR USE THEREIN
Davis H. Tuck, Redding Ridge, Conn., assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application April 23, 1942, Serial No. 440,170
7 Claims. (Cl. 240—9)



1. A direct lighting system for lighting an extended working area, comprising a plurality of lighting units, each unit having two pendent, bulb type lamps, one having an incandescent filamentary source, the other having a high intensity mercury vapor source, and a specular reflector about each lamp, the mouths of the reflectors being in the same plane, close together and below the lamps to provide a shielding angle of substantially 30° below the horizontal, each reflector having a contour to reflect light from the corresponding lamp into the same portion of the working area as that reflected by the reflector about the other lamp whereby both horizontal and vertical surfaces in the region of the working area receive substantially uniformly mixed light from the superposed lighting unit.

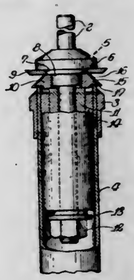
2,343,823
LEG BAND FOR HOLDING DOWN BODY GARMENTS
John H. Vogt, Sheerlund, and Eric Simmat, Wyomissing Hills, Pa., assignors to The Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania
Application August 29, 1942, Serial No. 456,610
5 Claims. (Cl. 2—313)

1. A leg band for holding down a body garment provided with a depending garter strap, which comprises a fabric band adapted to be worn on the leg above the knee for attachment thereto of said garter strap, said band consisting of a fabric of a weft-knitted strand interknitted with the



loop wales thereof extending circumferentially of said band so that elongating pull of said garter strap transversely to said loop wales will readjust the knitted loops so as to reduce said band diameter for tighter fit on the leg.

2,343,824
REAMER
Walter J. Wachowitz, Waukesha, Wis.
Original application August 10, 1939, Serial No. 289,403. Divided and this application June 5, 1942, Serial No. 445,874
2 Claims. (Cl. 77—73.5)

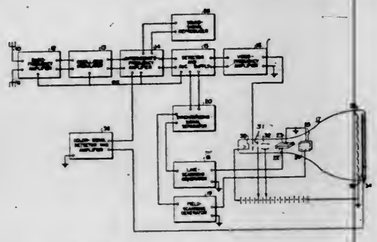


1. In a reamer, a spindle having a cylindrical element extending outward therebeyond and a stop element at one end of and extending outward beyond said cylindrical element, an inner sleeve fitting about said spindle, an outer sleeve fitting about said inner sleeve providing a bearing for rotatably supporting the latter, means for forcing said inner sleeve toward said cylindrical element and for retaining said outer sleeve on said inner sleeve, said means being removable for removal of said inner and outer sleeves from said spindle, and a reversible cutting member fitting above said cylindrical element clamped between said stop element and said inner sleeve, said cutting member comprising radially disposed teeth extending outward beyond said outer sleeve and having two cutting edges, arranged at different angles to the axis of said spindle.

2,343,825
COLOR-TELEVISION SIGNAL-TRANSLATING STAGE
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application September 6, 1941, Serial No. 409,847
9 Claims. (Cl. 178—5.4)

1. A color television signal-translating stage comprising, a cathode-ray tube, an electron gun structure in said tube for forming and acceler-

ating an electron beam, a first scanned electrode, means for applying a substantially constant voltage to said first electrode and for producing low-velocity electrons in the vicinity of said first electrode, means for developing a deflecting field for said beam between said electron gun structure and said first electrode to scan said first electrode with said beam, a second scanned electrode adapted to fluoresce with a color dependent upon the velocity of electrons incident



thereon and effectively screened from said electron gun structure by said first electrode, and means for applying a variable voltage to said second electrode to accelerate said low-velocity electrons to said second electrode and control their velocity at said second electrode, whereby said second electrode is scanned by electrons of variable velocity to produce a color image of the translated signal and the scanning deflection at said second electrode is independent of the velocity of the electrons incident thereon.

2,343,826

ADJUSTABLE FASTENING DEVICE

George M. Beckwith and Madison D. Pickens, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania

Application March 13, 1942, Serial No. 434,594
7 Claims. (Cl. 24—206)



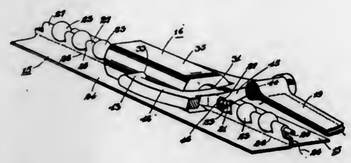
7. In an adjustable fastening device adapted for attachment between members subjected to tension and comprising a flexible track and a slider selectively adjustable longitudinally of said track, said track comprising a flexible stringer with predeterminedly spaced stops thereon, and a flexible carrier provided with stop receiving apertures and folded over said stringer with carrier portions between said apertures enclosing the stringer portions between said stops; a slider comprising an elongated body having a channel slidably receiving said stops and a pull member having at its inner end a pair of trunnions pivotally connecting said pull member to said slider body, a bar portion at the outer end of said pull member attachable to one of said first named members, and a locking member intermediate the ends of said pull member offset from a plane common to said trunnions and said bar portion, said locking member engaging between adjacent stops to prevent relative longitudinal movement between said track and said slider, and said locking member being held in locking position by tension applied between members connected to said slider and said track respectively.

2,343,827

METHOD OF MAKING ADJUSTABLE FASTENING DEVICES

George M. Beckwith, New York, N. Y., and Madison D. Pickens, Washington, D. C., assignors to Talon, Inc., a corporation of Pennsylvania

Original application March 13, 1942, Serial No. 434,594. Divided and this application November 23, 1942, Serial No. 466,612
7 Claims. (Cl. 24—206)



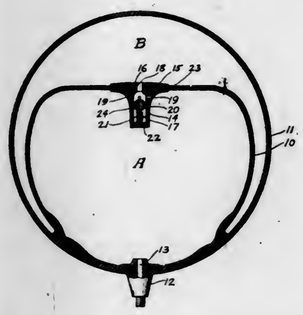
4. In a method of forming a flexible track for an adjustable fastener, providing a flexible cord with predeterminedly spaced knots, molding stop members of non-metallic plastic material over said knots, providing a flexible carrier tape with spaced apertures adapted to receive said stop members, aligning the apertures in said tape with the stop members on said cord, folding said carrier over said cord with the stop members extending through said apertures, stitching together portions of said tape at opposite sides of said apertures to confine said stop members in said apertures and the intervening cord portions in the folds of the tape portions between apertures, folding the free portions of said tape beyond said stitching apart substantially to a common plane, superposing said free portions on a substantially planar flexible support, and stitching down the free portions of said tape to the underlying flexible support.

2,343,828

SAFETY TUBE

Clement J. Burkley, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application January 26, 1940, Serial No. 315,714
2 Claims. (Cl. 152—342)



2. An inflatable annular tube having a plurality of chambers formed by at least one substantially inextensible transverse wall, air-control means for controlling the flow of air between said chambers during use of said tube on a vehicle wheel comprising a valve body mounted on said wall, said body having a bore extending therethrough and being reduced at one end thereof, a ball valve in said bore, said bore

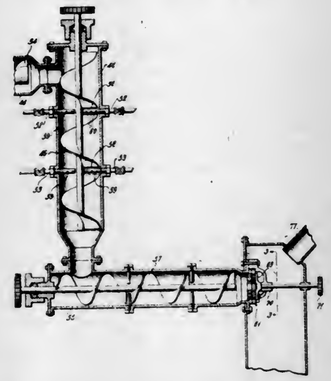
extending in a direction somewhat radially of the axis of said tube with the reduced portion at the outermost end, whereby said valve will move outwardly under the action of centrifugal force toward said reduced end during rotation of said tube in operation to overlie the reduced end of said bore, and yielding means strong enough to normally urge said ball valve toward the opposite end of said bore to keep said bore open during normal inflation and deflation but weak enough to permit said ball valve to close the reduced end of said bore under the action of centrifugal force while the tube is rotating in use, said ball valve having a restricted bypass for permitting only slow filtration of air from one chamber to the other when said ball valve is at the outer-most position in said bore.

2,343,829

PROCESS FOR MAKING SOAP AND PRODUCT THEREOF

Benjamin Clayton, Houston, Tex., assignor, by mesne assignments, to Refining, Unincorporated, a Texas partnership

Application April 15, 1940, Serial No. 329,803
14 Claims. (Cl. 252—368)



1. The process of making soap pellets, which comprises, extruding under pressure a small element of plastic soap containing water and heated to a temperature sufficient to cause vaporization of water and formation of porous soap when said pressure is released, and cutting said element of porous soap into short lengths immediately upon extrusion.

2,343,830

PREPARATION OF DIOLEFINS

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application June 26, 1940, Serial No. 342,590
8 Claims. (Cl. 260—680)

1. A method of preparing pentadienes which comprises pyrolyzing a material made up of at least one pentene and containing only pentenes at a temperature between about 900° and 1100° C., and under a pressure corresponding to about 10 to 60 mm./Hg, in the absence of a catalyst, until substantially all of the pentene material has been converted to other substances and then distilling to separate the pentadiene from the other conversion products.

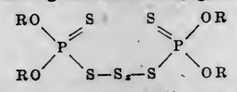
2,343,831

LUBRICATING COMPOSITION

John L. Osborne, Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 26, 1941, Serial No. 399,945
6 Claims. (Cl. 252—48)

3. An extreme pressure lubricant comprising a mineral lubricating oil and a small amount of a compound having the following general formula:



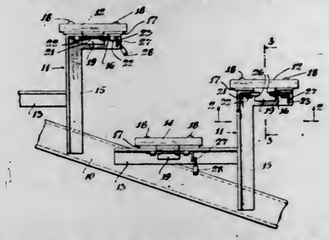
in which R is a member of the group consisting of alkyl and aryl radicals and x is zero or a small whole number.

2,343,832

PORTABLE BLEACHER

Abraham Pinson, Brooklyn, and Charles V. Mayer, Jackson Heights, N. Y.

Application May 21, 1941, Serial No. 394,428
2 Claims. (Cl. 155—130)



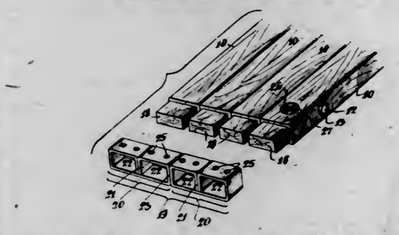
1. In a bleacher, a supporting bracket including a horizontal supporting portion having a slot formed therein and provided with means on the underside thereof for carrying and guiding a slide bolt, a manually operable slide bolt mounted within and guided by said guide means and having a slot therein similar to and in vertical alignment with the slot in said horizontal portion of the bracket, and a rest board supported by said horizontal portion of the bracket and having a metal plate secured to the underside thereof including a depending portion projecting through both said slots, said depending plate portion having a notch in a vertical edge thereof adapted to receive a portion of said slide bolt operatively, whereby to detachably secure the rest board to the supporting bracket.

2,343,833

HATCH COVER

Abraham Pinson, Brooklyn, N. Y.

Application December 15, 1941, Serial No. 422,966
5 Claims. (Cl. 20—35)



4. A hatch cover or the like comprising a plurality of wooden planks assembled in edge to

edge coplanar relation and secured together by fastening bolts extending transversely through said planks, and metal plate reenforcing collars fitted upon and secured to the end portions of the assembled planks, said collars comprising a plurality of sections each formed to embrace two adjacent planks and to extend vertically between said planks, the abutting sides of the several sections being welded together to provide a unitary member, having vertically disposed reenforcing flanges extending between the adjacent pairs of planks.

2,343,834

RUBBER HYDROCHLORIDE

Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 29, 1939, Serial No. 264,779
9 Claims. (Cl. 260—735)

1. Rubber hydrochloride containing a photochemical inhibitor which is a reaction product of an alkylene polyhalide and a primary aliphatic amine, the said product having a boiling point higher than any alkylene polyamine and any N-aliphatic piperazine formed from the same starting materials.

2,343,835

METHOD OF COMPOUNDING RUBBER

Claude H. Smith, Talmadge, and Albert J. Gracia, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application February 8, 1939, Serial No. 255,294
10 Claims. (Cl. 260—752)

1. A method of compounding rubber with hard, difficultly dispersible aggregates of a di(arylenethiazyl) disulfide prepared by oxidizing a 2-mercaptoarylenethiazole by means of nitrous acid which comprises rendering said aggregates susceptible to disaggregation on mechanical working with rubber by treating them with an oily material and mechanically working the treated aggregates with rubber until the aggregates are reduced to the ultimate particles of the di(arylenethiazyl) disulfide and said ultimate particles are dispersed throughout the rubber.

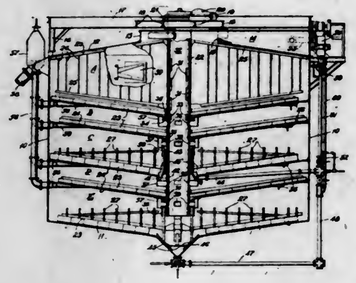
2,343,836

MULTITRAY CLARIFICATION

William C. Weber, Westport, Conn., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware

Application August 25, 1941, Serial No. 408,219
11 Claims. (Cl. 210—55)

1. In clarifying liquid in a multitray clarifier comprising a plurality of superposed compartments, two or more of which serve as thickening chambers and others of which serve as preliminary sedimentation chambers, each of the last mentioned chambers being located above one at least of said thickening chambers, the method which consists in passing liquid to be clarified into each of said chambers and separately withdrawing clarified liquid from the different chambers, passing mud from each preliminary sedimentation chamber to a subjacent thickening chamber at a rate rapid enough to avoid impairment of the clarifying capacity of said preliminary sedimentation chamber, said mud comprising a solids content including the solids from the clarified liquid withdrawn from said preliminary sedimentation chamber and comprising a liquid content constituting a portion at least of the liquid passed into said preliminary sedimentation chamber to be clarified therein, and subjecting



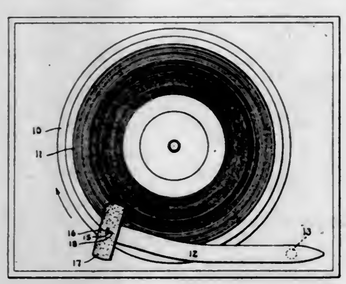
the mud in the thickening chamber to a regulated mud thickening action by withdrawing mud from said thickening chamber at a regulated rate slow enough to maintain the mud thickening condition in said mud thickening chamber required for the desired mud thickening action.

2,343,837

WIPING ATTACHMENT FOR PHONOGRAPHS

Henry F. Wheeler, Richmond Heights, Mo., assignor of one-half to A. Edward Gross, Richmond Heights, Mo.

Application September 20, 1943, Serial No. 503,169
8 Claims. (Cl. 274—47)



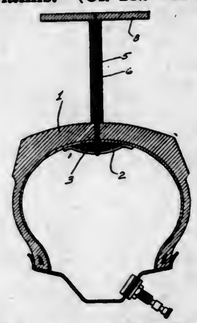
1. In a wiping attachment for the rotary records of a phonograph having a traveling reproducer arm, a sheet of fibrous material adapted to interlock with said traveling arm, said fibrous sheet having an opening to receive portions of said traveling arm and abutments at said opening to detachably secure the fibrous sheet to said arm, said fibrous sheet being provided with a bottom margin and a pair of companion wiping faces at opposite sides of said bottom margin, said sheet being tiltable in the direction of rotation of the record so as to locate one of said wiping faces in active wiping contact with the rotary record while locating the companion wiping face in an idle position entirely beyond the record, said sheet being yieldable to force the selected wiping face into wiping contact with the record, and said fibrous sheet being removable and reversible to selectively locate the previously idle wiping face in contact with the record while locating the used wiping face in an idle position entirely beyond the record.

2,343,838

METHOD OF FILLING TIRES 100% WITH WATER

Melvin A. Wilson, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application April 3, 1941, Serial No. 386,647
4 Claims. (Cl. 152—415)



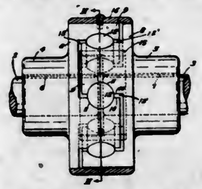
1. That method of completely filling a straight-side, inextensible bead type tire with liquid which includes the steps of applying a self sealing patch to the inside of the tire tread, mounting the tire alone on a rim, inflating the tire to a greater-than-atmospheric pressure with gas introduced through the rim to push the beads of the tire into complete seating and sealing relation with the bead seats on the rim, reducing the gas pressure to atmsopheric pressure, introducing liquid into the tire through the rim until a greater-than-atmospheric pressure has been built up in the tire, relieving the pressure within the tire by passing entrapped gas through a passage in the self sealing patch and the tire and positioned in substantially the uppermost portion of the wall of the tire, continuing the inflating of the tire with liquid until the liquid flows through the passage, allowing the patch to seal the inner end of the passage in the wall of the tire, and inserting additional liquid into the tire through the rim until the pressure in the tire has been built up to considerably greater than atmospheric.

2,343,839

FLEXIBLE COUPLING

Harry M. Austin, East Petersburg, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application January 11, 1941, Serial No. 374,064
4 Claims. (Cl. 64—14)



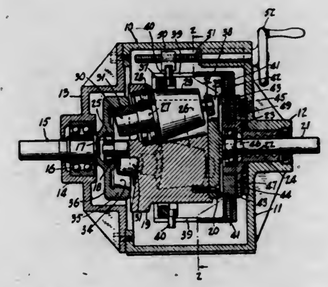
1. A flexible coupling comprising two coupling members adapted to connect two shafts having a substantially common axis; a plurality of substantially complementary interfitting teeth projecting from said two coupling members with a clearance between the opposed surfaces of said teeth; a sleeve member on one of said coupling members; a sleeve on the other of said coupling members, each of said sleeve members being normally free for limited axial and radial movement with respect to the other coupling member, respectively; and a plurality of resilient members substantially symmetrically radially arranged about said axis and extending between said teeth, one of said sleeve members engaging the inner end surfaces of said resilient members and the other of said sleeve members engaging the outer end surfaces of said resilient members, and said resilient members being disposed under compression between said sleeve members.

2,343,840

VARIABLE SPEED TRANSMISSION

Alfred G. Bade, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application June 12, 1941, Serial No. 397,711
7 Claims. (Cl. 74—281)



1. In a variable speed transmission the combination of a roller revolvable in planetary fashion about a central axis, three elements coacting with said roller at longitudinally spaced points thereon to position the same relative to said axis, two of said elements comprising spaced torque sustaining rings in rolling engagement with said roller, said rings being disposed coaxially of said axis and one of said rings being rotatable relative to the other, the third of said elements providing a fulcrum support for said roller, means for adjusting one of said elements to induce pressure contact between said roller and rings, and means for effecting relative adjustment between said roller and one of said rings to vary the rate of relative rotation between said rings.

2,343,841

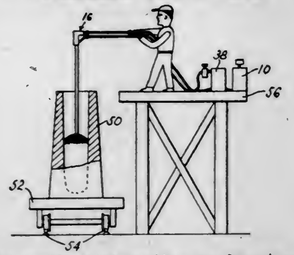
REMOVAL OF AROMATICS, SULPHUR, OR UNSATURATES FROM HYDROCARBONS

Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 8, 1943, Serial No. 490,078
12 Claims. (Cl. 196—13)

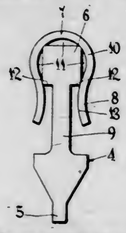
1. A process of treating hydrocarbons to separate any compound of an unsaturated, aromatic or sulphurous nature that may be present therein, which comprises admixing said hydrocarbons containing at least one of said compounds with liquid hydrogen fluoride containing a minor proportion of boron trifluoride under a pressure to maintain the hydrogen fluoride liquid under conditions such that the primary action is the formation of a fluoride complex with any of said compounds, and separating the mixture into two layers, the heavier layer containing said fluoride complex.

2,343,842
METHOD OF COATING INGOTS
George R. Hatcher, Youngstown, Ohio, assignor to The Mahoning Paint and Oil Company, Youngstown, Ohio, a corporation
Application September 5, 1942, Serial No. 457,383
6 Claims. (Cl. 22—192)



6. That method of coating an ingot mold which includes the steps of standing an ingot mold upright, displacing the air from the mold cavity by an inert gas, atomizing a liquid coating material with an inert gas, directing the atomized liquid coating material with the atomizing inert gas through the inert gas in the mold cavity and against the mold cavity surface to form a coating thereon.

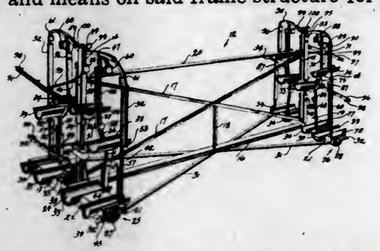
2,343,843
WINDSHIELD WIPER BLADE
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application November 24, 1941, Serial No. 420,187
8 Claims. (Cl. 15—245)



1. A wiper blade comprising a resilient squeegee body of strip-like form having a wiping edge along one longitudinal margin and an anchoring enlarged bead along the other longitudinal margin, and a channeled holder having outwardly converging sides clampingly embracing the bead along its inner portion to compress it toward the bottom of the holder channel, the initial cross sectional shape of the bead being such as to afford a clearance recess for accommodating the crowded material when so compressed.

2,343,844
SHIPPING STRUCTURE
Paul W. Milburn, Los Angeles, and William D. Adamson, West Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application November 3, 1942, Serial No. 464,414
13 Claims. (Cl. 211—60)

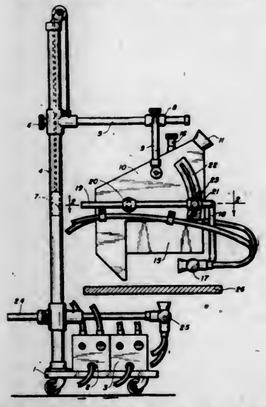
2. In a shipping structure for airplane wing panels, the combination of: a frame structure comprising a trussed, vertically disposed, laterally thin frame and a transversely extending frame adjacent the bottom of said vertically disposed frame and on each side thereof for supporting said frame in vertical position; and means on said frame structure for supporting on each side of said vertical frame at a lower level and parallel to said vertical frame two wing panels laterally of each other, leading edge downward, with inboard and outboard ends in reverse juxtaposition; and means on said frame structure for supporting on each side of said frame at a higher level and parallel to said vertical frame two wing panels laterally of each other, leading edge downward, with inboard and outboard ends in reverse juxtaposition with each other and with the first wing panels vertically beneath them at the lower level respectively.



2,343,845
SYNTHETIC RESIN
Paul O. Powers, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application December 20, 1941, Serial No. 423,818
19 Claims. (Cl. 260—62)

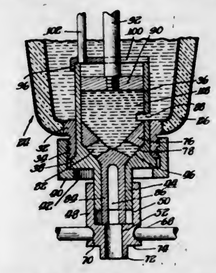
1. A process of preparing a synthetic resin which comprises reacting a terpene and a phenol in the presence of a molecular compound of boron trifluoride and separating the resinous product formed from the reaction mixture.

2,343,846
FLUOROSCOPE
William W. Robinson, Spokane, Wash.
Application June 19, 1942, Serial No. 447,698
3 Claims. (Cl. 250—58)



1. A fluoroscope, comprising: a closed housing having a viewing opening, an upright mirror so positioned that said mirror is within the range of vision of a person looking through said opening, an upright fluorescent screen in said housing so positioned that it may be scanned from said viewing opening by means of an upright mirror, a horizontal fluorescent screen within said housing angularly disposed with relation to said upright screen and having a position whereby it may be directly scanned through said viewing opening, said horizontal screen being movable in said housing to a series of parallel positions, means operable externally of said housing for moving said horizontal screen, a source for projecting a beam of X-rays toward said horizontal screen, an extensible arm carried by said housing, a second source for projecting a beam of X-rays toward the upright screen carried by and movable relative the screen by the extension or retraction of said arm, and means for supporting an object to be examined for viewing in two planes at the intersection of the medians of the two beams of X-rays.

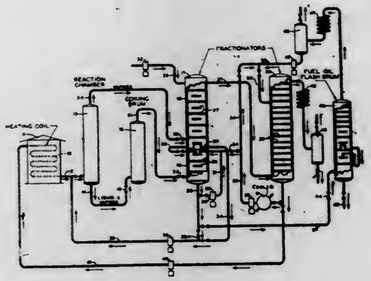
2,343,847
CREAM DISPENSER
Charles E. Swann, Glencoe, Ill., assignor to Craft Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 24, 1941, Serial No. 375,733
11 Claims. (Cl. 221—114)



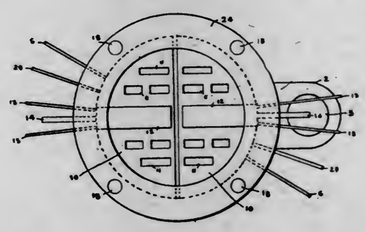
1. In a liquid dispensing apparatus, the combination of a measuring chamber having an opening in its side wall to admit a liquid to be dispensed and an opening in its lower extremity to discharge the measured quantity of liquid, a piston having an opening therethrough arranged in the measuring chamber to reciprocate adjacent the outlet, the lower face of the piston surrounding said opening through the piston being adapted to abut the bottom wall of the measuring chamber and close said opening through the piston when said piston is in its lowermost position, and said piston being arranged to pass over and close said opening in the side wall of the measuring chamber in its uppermost position whereby when said piston is in its uppermost position the contents of said measuring chamber are discharged and when said piston is in its lowermost position the chamber is supplied with liquid to be dispensed.

2,343,848
CRACKING AND COKING HYDROCARBON OILS
Joseph Mason Barron, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 31, 1940, Serial No. 372,451
12 Claims. (Cl. 196—48)

6. In the conversion of higher boiling hydrocarbon oils into lower boiling ones, the process that comprises passing cycle condensate to a heating zone wherein it is heated to a cracking temperature, combining resultant heated products with oil for cracking in a reaction zone wherein separation of vapors from liquid residue takes place, maintaining cracking conditions of temperature and pressure in the reaction zone, withdrawing the liquid residue from the reaction zone together with a portion of the vapors and delivering the mixture of vapors and liquid to a coking zone wherein conversion to a coke residue takes place, the proportion of vapors so withdrawn with the liquid residue being sufficient to effect autogenous coking of the mixture, delivering the evolved vapors from the coking zone to a dephlegmating zone, passing vapors from said dephlegmating zone to a second dephlegmating zone, separately withdrawing separated vapors from the aforesaid reaction zone and delivering them to said second dephlegmating zone, introducing charging stock into said second dephlegmating zone to dephlegmate vapors therein, conducting a resultant mixture of reflux condensate and unvaporized charging stock from the second dephlegmating zone to the first dephlegmating zone to dephlegmate vapors therein, withdrawing a resultant mixture of reflux condensate and unvaporized charging stock from the first dephlegmating zone, cycling a portion thereof back to the first dephlegmating zone to increase the liquid flow therein and prevent coking, utilizing the remaining portion as the oil being combined with the heated products from the aforesaid heating zone, subjecting vapors from the secondary dephlegmating zone to further fractionation to separate a reflux condensate from lighter products and directing said reflux condensate to the aforesaid heating zone as said cycle condensate.

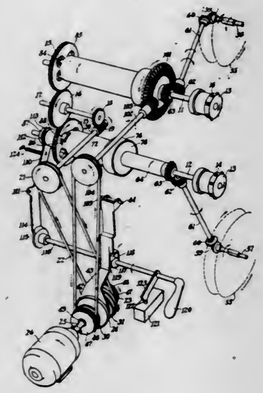


2,343,849
RADIO TUBE WITH FLATTENED ELEMENTS
Abraham Binneweg, Jr., Oakland, Calif.
Application August 8, 1942, Serial No. 454,107
7 Claims. (Cl. 250—27.5)



1. A radio tube having a flat base, grooved rings superimposed upon said base and sealed tightly together, plate, grid and cathode elements held in spaced relation by said grooved rings, a cap above the uppermost of said rings, and clamping means tightly holding together said base, rings, and cap to form an air-tight tube.

2,343,850
PROJECTOR CONTROL
Henry N. Fairbanks, Rochester, N. Y., and Roger W. Wallace, Washington, D. C., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 14, 1941, Serial No. 383,378
9 Claims. (Cl. 242—55)



6. In a projecting apparatus, the combination with a pair of sprocket shafts and a film feeding sprocket carried by each of said shafts for feeding a film strip through said apparatus, a drive shaft, of a film feeding shaft, means for connecting said film feeding shaft to both of said sprocket shafts to drive the latter to feed said strip, means for releasably connecting said feeding shaft to said drive shaft, a film take-up spindle, drive means for said spindle comprising a member loosely mounted on one of said sprocket shafts, means for releasably connecting said member to said one sprocket shaft, a film rewinding shaft, a film supply spindle, drive means for said supply spindle comprising a portion loosely mounted on said other sprocket shaft, means for connecting said rewind shaft to said portion so that rotation of said rewind shaft will drive said supply spindle to rewind the film strip thereon, means for detachably connecting said rewind shaft to said drive shaft, and means for selectively connecting said film feeding or rewinding shafts to said drive shaft.

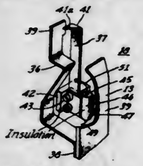
2,343,851
CATALYTIC CONVERSION OF HYDROCARBONS
Aristid V. Grosse and Jacque C. Morrell, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 29, 1939, Serial No. 306,679
8 Claims. (Cl. 260—673.5)

1. A process for producing low boiling aromatic hydrocarbons from hydrocarbon oils heavier than gasoline and containing aliphatics, which comprises subjecting the oil to a non-hydrogenating cracking and dehydrocyclization treatment in the presence of an oxide of an element from the left-hand column of group V of the periodic table admixed with a cracking catalyst comprising a major proportion of silica and a minor proportion of alumina.

2,343,852
CATALYTIC CONVERSION OF HYDROCARBONS
Aristid V. Grosse and Jacque C. Morrell, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 29, 1939, Serial No. 306,680
9 Claims. (Cl. 260—673.5)

1. A process for producing low boiling aromatic hydrocarbons from hydrocarbon oils heavier than gasoline and containing aliphatics, which comprises subjecting the oil to a non-hydrogenating cracking and dehydrocyclization treatment in the presence of an oxide of an element from the left-hand column of group VI of the periodic table admixed with a cracking catalyst comprising a major proportion of silica and a minor proportion of alumina.

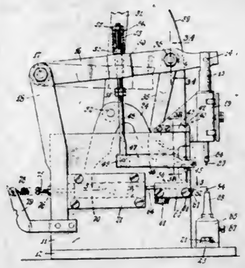
2,343,853
LAMP HOLDER
Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application February 12, 1943, Serial No. 475,675
11 Claims. (Cl. 200—122)



11. A lamp holder for electric discharge lamps comprising, a housing containing contact members disposed to be engaged by the contact pins of a lamp, one of said contact members having a separate terminal portion, a resilient contact element carried by said one contact member, a bimetallic contact member mounted on the housing adjacent the resilient contact element, said bimetallic contact element normally engaging the resilient contact element and operable when heated to disengage the resilient contact element to interrupt a circuit extending therethrough, and a heater element connected between the separate terminal portion of the said one contact member and the bimetallic contact element for controlling the operation of the bimetallic contact element in response to predetermined current flow therethrough, said resilient contact element being disposed for actuation by its associated contact member to a reset position in engagement with the bimetallic contact element in response to movement of the contact pin of the lamp in engagement with the said associated contact member.

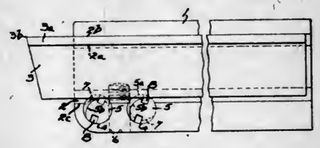
2,343,854
PINTLE APPLYING MACHINE
David Keller, Brooklyn, N. Y.
Application February 9, 1943, Serial No. 475,315
13 Claims. (Cl. 29—34)

1. In a pintle applying machine, a combined pintle cutter and carrier mechanism comprising a fixed member and a horizontally movable slide member having normally aligned holes therein respectively, means for intermittently advancing a continuous wire into said aligned holes, an anvil for supporting a clevis secured to an emblem or the like, said anvil having a spring-pressed pin for engaging and aligning the holes through said clevis and through the head of a clasp pin positioned within said clevis, a plunger having a terminal pin in alignment with said anvil pin, mechanism operative alternately respecting said wire feeding means for moving said slide member to cut and carry said pintle into alignment with and between said anvil and plunger pins, and means for maintaining such alignment and for simultaneously moving said plunger into engagement with said slide member to thereby close the jaws of the clevis against the head of said clasp pin,



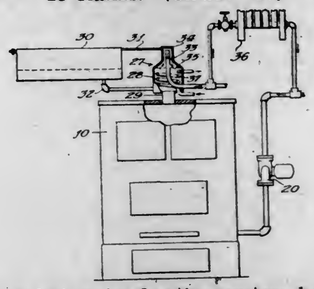
and so that said terminal pin will engage and push said pintle through said slide member and displace said anvil pin into a solidly supported position whereby the riveting of the ends of the pintle will be effected by the pintle-contacting ends of said pins while the jaws of the clevis are held closed, the means for moving the plunger including adjusting means for changing the position of the plunger at the end of its movement toward the anvil for regulating the riveting operation.

2,343,855
LOCKING CAM FOR TOOLHOLDERS
John M. Luers, Mount Clemens, Mich.
Application January 12, 1942, Serial No. 426,416
7 Claims. (Cl. 29—96)



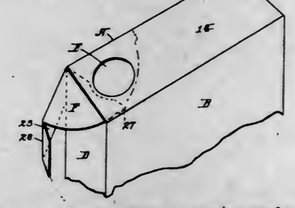
3. A toolholder having a recess formed lengthwise in one side thereof against the base of which one side of a blade is adapted to rest, one side wall of the recess forming a bearing for one longitudinal edge of the blade, spaced rotary cams mounted transversely through the holder having camming faces thereon which extend partway around their peripheries, said camming faces being positioned beneath the other longitudinal edge of the blade, means for holding both cams against axial movement and permitting their rotation, each cam having radially opposed wrench receiving slots formed longitudinally therein throughout its entire length, each cam being adapted to be turned to engage the blade between the camming face thereon and said side wall of the recess, and said slots being so positioned relative to the camming faces that an imaginary line drawn from any point on either camming face to its cam axis passes entirely through an imperforate part of the cam.

2,343,856
HOT WATER HEATING SYSTEM
Edwin B. Tidd, Mount Prospect, Ill., assignor to Bell & Gossett Company, Morton Grove, Ill., a corporation of Illinois
Application May 21, 1942, Serial No. 443,902
18 Claims. (Cl. 237—19)



6. In a hot water heating system having one or more radiators, the combination of a boiler, a flow control device comprising first and second chambers, the first communicating directly with the boiler and always containing water substantially at boiler water temperature and the second with the radiators, air entrapping means forming a seal common to both chambers for preventing thermogravitational flow through the system, a pump for forcing water through the seal to establish a circulation through the system, and a heat exchanging device immersed in the first chamber for heating service water.

2,343,857
POURING CARTON
Frank C. Morgenroth, Glendale, Calif.
Application July 30, 1941, Serial No. 404,679
4 Claims. (Cl. 229—17)

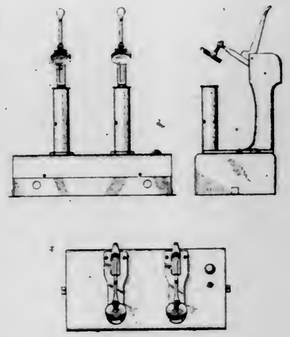


1. In a pouring carton, a rectangular body having an end composed of a plurality of flaps folded into overlapping relationship, said end flaps arranged in juxtaposition in the plane of the pouring end of the carton body, each of the members of said flaps being formed with an aperture, all of said apertures coinciding to form a pouring opening in the end of the body, one of the sides of the body having an outer manually operable supporting flap foldable about an axis perpendicular to the plane of the pouring end of the body to close against a side of the body, and said supporting flap having a slide valve flap at substantially right angle thereto and slidable between the members of a pair of the overlapping end flaps, said valve flap sliding across said opening to close the latter by the folding movement of said supporting flap.

DESIGNS

MARCH 7, 1944

137,402
DESIGN FOR A FABRIC PATCH MENDING MACHINE
Edward N. Simmons, Chicago, Ill.
Application December 10, 1943, Serial No. 111,982
Term of patent 7 years



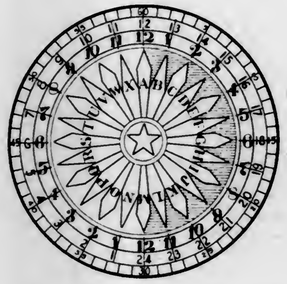
The ornamental design for a fabric patch mending machine, substantially as shown.

137,403
DESIGN FOR A RING OR SIMILAR ARTICLE OF JEWELRY
Charles Barnique, Los Angeles, Calif.
Application October 15, 1943, Serial No. 111,359
Term of patent 3½ years



The ornamental design for a ring or similar article of jewelry, as shown.

137,404
DESIGN FOR A DIAL FOR A TIMEPIECE
Leo Y. Booharin, San Francisco, Calif.
Application July 30, 1943, Serial No. 110,804
Term of patent 14 years



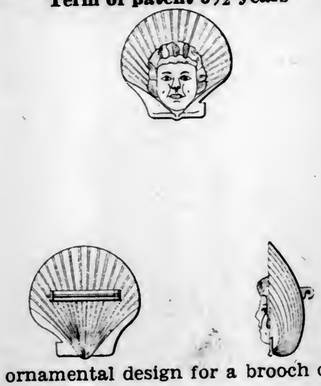
The ornamental design for a dial for a timepiece, as shown and described.

137,405
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 23, 1943, Serial No. 111,454
Term of patent 3½ years



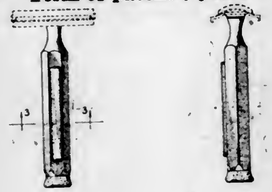
The ornamental design for wall paper border or similar article, as shown.

137,406
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Dora E. Chesebro, Nevada City, Calif.
Application November 10, 1943, Serial No. 111,638
Term of patent 3½ years



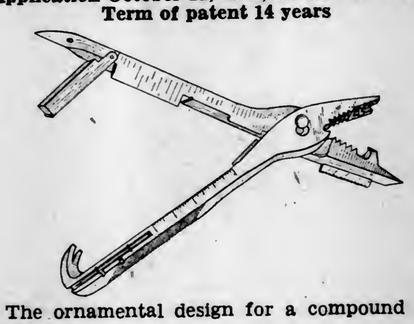
The ornamental design for a brooch or similar article, as shown.

137,407
DESIGN FOR A COMBINATION RAZOR AND BLADE SHARPENER
Shelley W. Ford, Dayton, Ohio
Application May 24, 1943, Serial No. 110,274
Term of patent 7 years



The ornamental design for a combination razor and blade sharpener, substantially as shown.

137,408
DESIGN FOR A COMPOUND TOOL
Ernest T. Frisk, Hibbing, Minn.
Application October 11, 1943, Serial No. 111,329
Term of patent 14 years



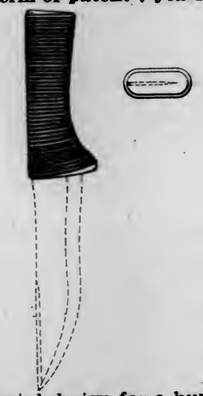
The ornamental design for a compound tool, as shown.

137,409
DESIGN FOR A FINGER RING
Joseph Granat, San Francisco, Calif.
Application November 5, 1942, Serial No. 108,699
Term of patent 3½ years



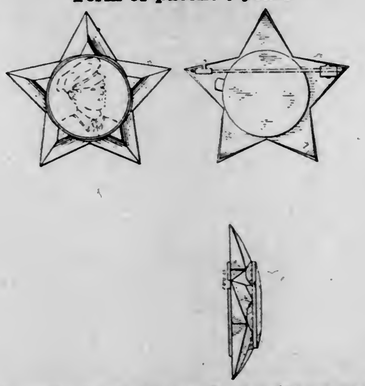
The ornamental design for a finger ring, substantially as shown and described.

137,410
DESIGN FOR A HUNTING KNIFE
Olaf C. Naugle, Marion, Ind.
Application November 1, 1943, Serial No. 111,563
Term of patent 7 years



The ornamental design for a hunting knife, as shown and described.

137,411
DESIGN FOR A PICTURE CARRYING PIN OR SIMILAR ARTICLE
George Peyrot, New York, N. Y.
Application December 20, 1943, Serial No. 112,049
Term of patent 7 years



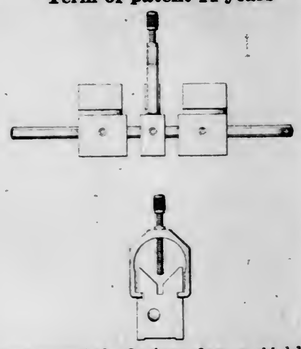
The ornamental design for a picture carrying pin or similar article, substantially as shown.

137,412
DESIGN FOR SCISSORS
Charles R. Storz, St. Louis, Mo.
Application January 3, 1944, Serial No. 112,163
Term of patent 7 years



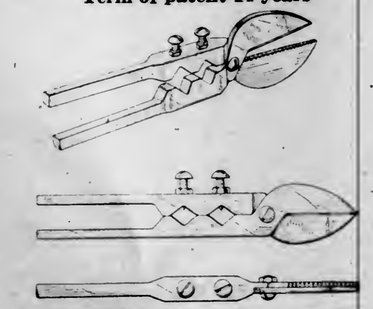
An ornamental design for a pair of scissors, as shown.

137,413
DESIGN FOR A V-BLOCK WORK HOLDER
Earl E. Tatro, Yonkers, N. Y.
Application January 24, 1944, Serial No. 112,304
Term of patent 14 years



The ornamental design for a V-block work holder, substantially as shown.

137,414
DESIGN FOR A MARINE CABLE TOOL
Walter Tomsick, Los Angeles, Calif.
Application January 3, 1944, Serial No. 112,164
Term of patent 14 years



The ornamental design for a marine cable tool, substantially as shown.

137,415
DESIGN FOR AN EMBROIDERED TRIMMING OR THE LIKE
Jack Wiener, New York, N. Y.
Application January 10, 1944, Serial No. 112,206
Term of patent 3½ years



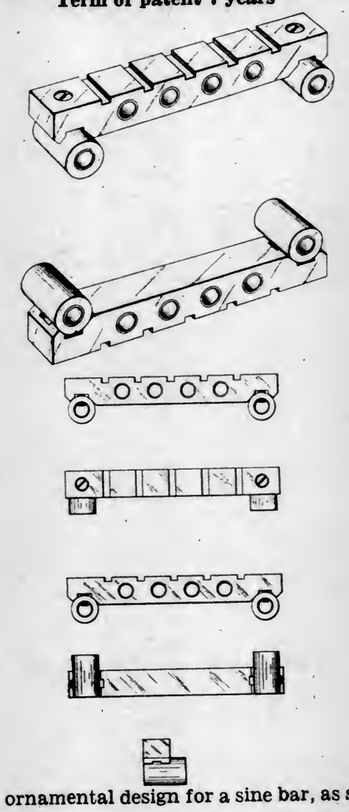
The ornamental design for an embroidered trimming or the like, as shown.

137,416
DESIGN FOR AN EMBROIDERED TRIMMING OR THE LIKE
Jack Wiener, New York, N. Y.
Application January 22, 1944, Serial No. 112,291
Term of patent 3½ years



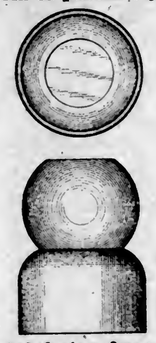
The ornamental design for an embroidered trimming or the like, as shown.

137,417
DESIGN FOR A SINE BAR
Edwin Grant Baker, Brighton, England
Application September 17, 1943, Serial No. 111,142
In Great Britain March 11, 1943
Term of patent 7 years



The ornamental design for a sine bar, as shown.

137,418
DESIGN FOR WASHING MACHINE CASING OR SIMILLAR ARTICLE
Peter Eduard Geldhof, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application August 12, 1943, Serial No. 110,901
Term of patent 7 years



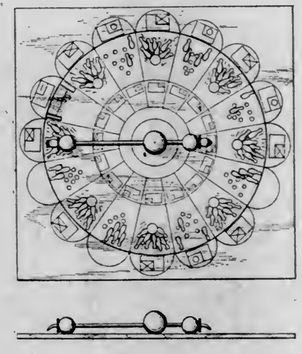
The ornamental design for a washing machine casing or similar article, as shown.

137,419
DESIGN FOR SET OF CHESSMEN
Ruth Kunen, Jamaica, N. Y.
Application October 27, 1943, Serial No. 111,512
Term of patent 3½ years



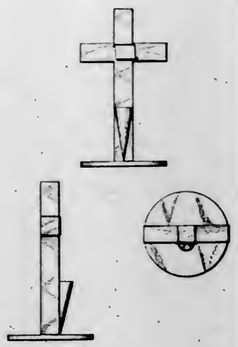
The ornamental design for a set of chessmen, as shown.

137,420
DESIGN FOR GAME DEVICE
Charles Le Roy Myers, Vineland, N. J.
Application December 17, 1943, Serial No. 112,020
Term of patent 7 years



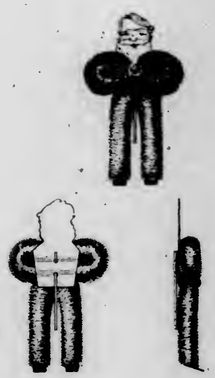
The ornamental design for a game device, as shown.

137,421
DESIGN FOR GRAVE MARKER
Jay Rasmussen, Madison, S. Dak.
Application December 2, 1943, Serial No. 111,880
Term of patent 14 years



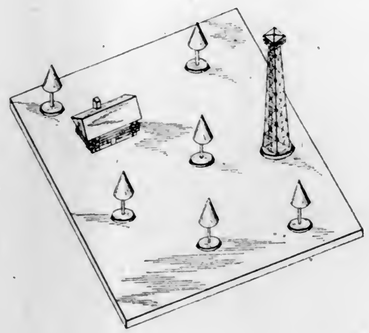
The ornamental design for a grave marker, as shown.

137,422
DESIGN FOR LAPEL ORNAMENT OR SIMILAR ARTICLE
Carl Wandt, New York, N. Y.
Application December 15, 1943, Serial No. 112,007
Term of patent 3½ years



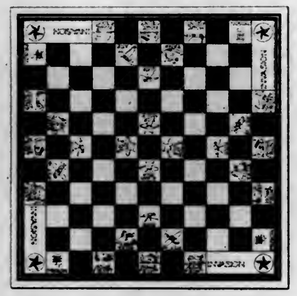
The ornamental design for a lapel ornament or similar article, substantially as shown.

137,423
DESIGN FOR TOY
Joseph C. Wegertseder, Little Falls, Minn.
Application December 2, 1943, Serial No. 111,881
Term of patent 7 years



The ornamental design for a toy, as shown and described.

137,424
DESIGN FOR A GAME BOARD
Kessler W. White, Richmond, Va.
Application December 4, 1943, Serial No. 111,900
Term of patent 7 years



The ornamental design for a game board, as shown.

137,425
DESIGN FOR AN APRON
Joseph Nachman and Jack Nachman, Philadelphia, Pa.
Application January 14, 1944, Serial No. 112,237
Term of patent 14 years



The ornamental design for an apron, substantially as shown and described.

137,426
DESIGN FOR AN APRON
Joseph Nachman and Jack Nachman, Philadelphia, Pa.
Application January 14, 1944, Serial No. 112,238
Term of patent 14 years



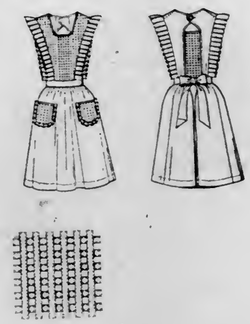
The ornamental design for an apron, substantially as shown.

137,427
DESIGN FOR AN APRON
Joseph Nachman and Jack Nachman, Philadelphia, Pa.
Application January 14, 1944, Serial No. 112,239
Term of patent 14 years



The ornamental design for an apron, substantially as shown.

137,428
DESIGN FOR AN APRON
Joseph Nachman and Jack Nachman, Philadelphia, Pa.
Application January 18, 1944, Serial No. 112,256
Term of patent 14 years



The ornamental design for an apron, substantially as shown and described.

137,429
DESIGN FOR A CAP
Clarice L. Scott, Silver Spring, Md., Helen Shelby, Washington, D. C., Mildred Carney, Ithaca, N. Y., and Gladys Meloche, Madison, Wis., assignors to the United States of America, as represented by Chester C. Davis, administrator of the War Food Administration, and his successors in office
Application October 16, 1943, Serial No. 111,406
Term of patent 3½ years



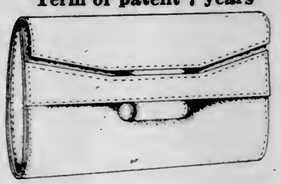
The ornamental design for a cap, as shown.

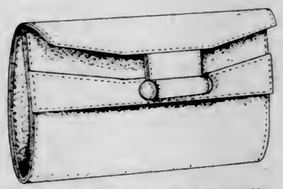
137,430
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application February 3, 1944, Serial No. 112,432
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

137,431
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application January 14, 1944, Serial No. 112,235
Term of patent 7 years





The ornamental design for a handbag substantially as shown and described.

137,432
DESIGN FOR A DRESS
George J. Pollack, New York, N. Y.
Application January 31, 1944, Serial No. 112,392
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

137,433
DESIGN FOR AN APRON
Sue Vogel, New York, N. Y.
Application December 20, 1943, Serial No. 112,057
Term of patent 7 years



The ornamental design for an apron, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Airdar Corporation, Wilmington, Del. Electrical control instruments. Serial No. 464,865; Mar. 7. Class 21.

American Breddo Corporation, New York, N. Y. Compound, powder or mix for use in the manufacture of frozen desserts. Serial No. 465,856; Mar. 7. Class 46.

American Chewing Products Corp., doing business as Pleasant Products Co., Newark, N. J. Chewing gum. Serial No. 465,857; Mar. 7. Class 46.

American Chewing Products Corp., Newark, N. J. Chewing gum. Serial No. 465,860; Mar. 7. Class 46.

Art Steel Sales Corporation, New York, N. Y. Filing cabinets. Serial No. 463,742; Mar. 7. Class 32.

Avon Shoe Co. Inc., New York, N. Y. Ladies' and misses' shoes, made of leather, canvas, fabric, etc. Serial No. 465,998; Mar. 7. Class 39.

Barnes, Eldridge, trading as Eldridge Barnes Chemical Co., Radford, Va. Rat and mouse exterminator. Serial No. 464,427; Mar. 7. Class 6.

Barnes, Eldridge, Chemical Co. (See Barnes, Eldridge.)

Bryant Products, Inc., Brooklyn, N. Y. Steel wool paste for cleaning and polishing aluminum, tin, brass, etc. Serial No. 465,704; Mar. 7. Class 4.

Carnac Cottons, Inc., New York, N. Y. Cotton piece goods. Serial No. 466,145; Mar. 7. Class 42.

Carter Coal Company, New York, N. Y. Coal. Serial No. 457, 718; Mar. 7. Class 1.

Carter Coal Company, New York, N. Y. Coal. Serial No. 459,297; Mar. 7. Class 1.

Cella, G., Co., New York, N. Y. Candy. Serial No. 466,253; Mar. 7. Class 46.

Chateau Wines Corporation, Royal Oak, Mich. Grape juice. Serial No. 466,071; Mar. 7. Class 45.

Cheney Weeder Company, Cheney, Wash. Tillage implements of the straight blade type. Serial No. 465,892; Mar. 7. Class 23.

Cheramy, Inc., New York, N. Y. Toilet soap. Serial No. 466,323; Mar. 7. Class 4.

Chromat-O-Scope Company, Los Angeles, Calif. Viewer for viewing slides and films, etc. Serial No. 456,934; Mar. 7. Class 26.

Clear Weave Hosiery Stores, Inc., Jamaica Plain, Boston, Mass. Women's and girls' hosiery and underwear. Serial No. 457,028; Mar. 7. Class 39.

Cobblers, Inc., Los Angeles, Calif. Shoes and slippers made of leather, fabric, and combinations, etc. Serial No. 461,339; Mar. 7. Class 39.

Corning Glass Works, Corning, N. Y. Rotating seal rings for centrifugal pumps, etc. Serial No. 453,710; Mar. 7. Class 35.

Cosmet Corporation, Minneapolis, Minn. Machines for securing or swedging screws, burrs, and chucks for use on such machines and constituting parts thereof. Serial No. 461,681; Mar. 7. Class 23.

Crumpton, W. D., & Co., Englewood, N. J. Fluxes for soldering and welding metals. Serial No. 464,691; Mar. 7. Class 6.

David Crystal Inc., New York, N. Y. Ladies' and misses' dresses, coats, suits, etc. Serial No. 466,005; Mar. 7. Class 39.

Desmond's, Los Angeles, Calif. Smoking tobacco. Serial No. 465,251; Mar. 7. Class 17.

Douglas Chemical & Supply Company, Kansas City, Mo. Rodent poison. Serial No. 463,266; Mar. 7. Class 6.

Easterday Supply Co. (See Superl Supply Co., Inc.)

Electrical Development Company, Los Angeles, Calif. Electrical motors, generators, transformers, etc. Serial No. 465,452; Mar. 7. Class 21.

Elimore Silver Company, Inc., The, Meriden, Conn. Silverware in the nature of flatware for table use. Serial No. 466,075; Mar. 7. Class 28.

Empire Brush Works, Port Chester, N. Y. Brushes. Serial No. 463,016; Mar. 7. Class 29.

Evron Company, Chicago, Ill. Vitamin capsules and tablets. Serial No. 465,898; Mar. 7. Class 6.

Fedden Brothers Company, Inc., New York, N. Y. Hosiery. Serial No. 466,272; Mar. 7. Class 39.

Fores, John O., Los Angeles, Calif. Fresh avocadoes. Serial No. 465,949; Mar. 7. Class 46.

Foster Grant Co. Inc., Leominster, Mass. Combs and hair curlers made of plastic material. Serial No. 466,196; Mar. 7. Class 40.

Frackville Manufacturing Company, New York, N. Y. Men's and boys' pajamas and nightshirts. Serial No. 466,197; Mar. 7. Class 39.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic vehicle tires. Serial No. 454,908; Mar. 7. Class 35.

Glasgall, Georg, New York, N. Y. Medicine. Serial No. 460,798; Mar. 7. Class 6.

Haering, D. W., & Co. Inc., Chicago, Ill. Chemical product used in water treating for scale and corrosion control. Serial No. 465,804; Mar. 7. Class 6.

Hettrick Manufacturing Company, The, Toledo, Ohio. Glider couch swings. Serial No. 466,289; Mar. 7. Class 32.

Home Recording Company, The. (See Zweigenthal, Joseph.)

Hospital Specialty Company, The, Cleveland, Ohio. Vending machines. Serial No. 466,082; Mar. 7. Class 23.

Huber, J. M., Inc., New York, N. Y. Chemical compound for use in natural or synthetic rubber, etc. Serial No. 465,986; Mar. 7. Class 6.

Indian Arts and Crafts Board, Washington, D. C. Dolls. Serial No. 466,390; Mar. 7. Class 22.

Indian Arts and Crafts Board, Washington, D. C. Handspun yarn. Serial No. 466,395; Mar. 7. Class 43.

International Nickel Company, Inc., The, New York, N. Y. Alloy castings in the form of pigs. Serial No. 464,483; Mar. 7. Class 14.

Jacmor Hat Co., New York, N. Y. Women's, misses', and children's hats. Serial No. 466,119; Mar. 7. Class 39.

Kensington Steel Company, Chicago, Ill. Gears, pinions, mixer arms, etc. Serial No. 466,091; Mar. 7. Class 23.

Kirchhoff, Rudolf C., Hollywood, Calif. Silk, rayon, cotton, etc., piece goods. Serial No. 465,229; Mar. 7. Class 42.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 422,287; Mar. 7. Class 40.

Lady West Products Co. (See Martin Brothers Co.)

Lincoln Park Tool and Gage Company, The, Lincoln Park, Mich. Precision gauge blocks. Serial No. 464,947; Mar. 7. Class 26.

Lobue Bros., Lindsay, Calif. Fresh citrus fruits. Serial No. 466,225; Mar. 7. Class 46.

Maltine Company, The, New York, N. Y. Medicinal malt extract. Serial No. 465,872; Mar. 7. Class 6.

Marbert Mfg. Co., Chicago, Ill. Hair pomades, hair oil shampoos, preparations for straightening, etc. Serial No. 463,873; Mar. 7. Class 6.

Marrus, Isaac I., New York, N. Y. Handkerchiefs and hair nets. Serial No. 466,092; Mar. 7. Class 39.

Martin Brothers Co., doing business as Lady West Products Co., Denver, Colo. Food preparation. Serial No. 465,041; Mar. 7. Class 46.

Master Combustor Company, Albert Lea, Minn. Hollow auxiliary grate having apertured walls, etc. Serial No. 464,895; Mar. 7. Class 34.

Meyers, W. F., Company, Bedford, Ind. Wheel and tool formers. Serial No. 465,989; Mar. 7. Class 23.

Mixing Equipment Co., Inc., Rochester, N. Y. Mixing equipment. Serial No. 457,812; Mar. 7. Class 23.

Modulok, Inc., Baltimore, Md. Prefabricated building materials. Serial Nos. 463,544–6; Mar. 7. Class 12.

Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 465,815; Mar. 7. Class 27.

National Oil Products Company, Harrison, N. J. Water-dispersible oil for use in leather sponging compositions, etc. Serial No. 464,666; Mar. 7. Class 4.

Nemco Electric Company, Seattle, Wash. Junction boxes, cabinets, electric hoists, etc. Serial No. 452,024; Mar. 7. Class 21.

Neuburger, C. A., Company, Oshkosh, Wis. Women's dresses. Serial No. 466,264; Mar. 7. Class 39.

Packers Tar Soap, Inc., Mystic, Conn., and New York, N. Y. Soap. Serial No. 464,353; Mar. 7. Class 4.

Phillips Petroleum Company, Bartlesville, Okla. High molecular weight and high boiling C_7 to C_{14} mercaptan mixture, etc. Serial No. 460,677; Mar. 7. Class 6.

Pinaud, Incorporated, New York, N. Y. Eau de cologne. Serial Nos. 466,122–3; Mar. 7. Class 6.

Pinaud, Incorporated, New York, N. Y. Eau de cologne. Serial No. 466,125; Mar. 7. Class 6.

Pleasant Products Co. (See American Chewing Products Corp.)

Proportioneers, Inc., Providence, R. I. Pumps. Serial No. 465,348; Mar. 7. Class 23.

Ralston Purina Company, St. Louis, Mo. Disinfectant. Serial No. 466,105; Mar. 7. Class 6.

Red Salmon Canning Co., San Francisco, Calif. Canned fish. Serial No. 453,401; Mar. 7. Class 46.

Rosenfelder, S., & Son, Inc., New York, N. Y. Loose animal and artificial fibers used for making textiles and fabrics. Serial No. 462,973; Mar. 7. Class 1.

Rubberset Company, Newark, N. J. Paint brushes and shaving brushes. Serial Nos. 466,265–6; Mar. 7. Class 29.

Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour, wheat feed, hog feed supplement with minerals, etc. Serial No. 466,126; Mar. 7. Class 46.

Sanford Ink Company, Chicago, Ill. Paste, mucilage, glue, and adhesive cement. Serial No. 463,634; Mar. 7. Class 5.

Sapolin Co. Inc., New York, N. Y. Ready-mixed paints and paint enamel. Serial No. 463,213; Mar. 7. Class 16.

Sauer, A. F., Company, Milwaukee, Wis. Water-proof crib sheets and water-proof crib mattress covers. Serial No. 465,435; Mar. 7. Class 50.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, bloomers, etc. Serial Nos. 466,176–7; Mar. 7. Class 39.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Massaging roller apparatus. Serial No. 464,522; Mar. 7. Class 44.
Sea Island Mills, Inc., New York, N. Y. Piece goods. Serial No. 463,332; Mar. 7. Class 42.
Shufelt, William R., North Chatham, N. Y. Wheeled garden seeder. Serial No. 466,312; Mar. 7. Class 23.
Sleepmaster Products Company, Inc., Newark, N. J. Sheets, pillow cases, bed spreads, etc. Serial No. 465,468; Mar. 7. Class 42.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating greases and oils. Serial No. 466.516; Mar. 7. Class 15.
Southern Lead Co., Dallas, Tex. Zinc, base aluminum, copper and magnesium metal alloy pigs. Serial No. 457,288; Mar. 7. Class 14.
Spartan Industrial Corporation, New York, N. Y. Sheets, blocks, and rods made of solid transparent material and plaques from such material. Serial No. 463,764; Mar. 7. Class 50.
Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. Serial No. 466,267; Mar. 7. Class 43.
Stamsvik Manufacturing Corporation, Pittsburgh, Pa. Milk filters and milk filter pads. Serial No. 466,233; Mar. 7. Class 31.
Standard Brands Incorporated, New York, N. Y. Baking powder. Serial No. 465,439; Mar. 7. Class 46.
Standard Brands Incorporated, New York, N. Y. Vitaminic composition in tablet form. Serial No. 466,109; Mar. 7. Class 6.
Star Electric Motor Company, Bloomfield, N. J. Electric motors. Serial No. 465,992; Mar. 7. Class 21.
Superl Supply Co., Inc., doing business as Easterday Supply Co., Los Angeles, Calif. Soluble pine oil disinfectant. Serial No. 465,834; Mar. 7. Class 6.
Swift and Company, Chicago, Ill. Sherbet and ice stabilizer having a gelatin base. Serial No. 465,882; Mar. 7. Class 46.
Tinius Olsen Testing Machine Co., Philadelphia, Pa. Testing machines to test plastic materials, etc. Serial No. 465,686; Mar. 7. Class 26.
Toledo Steel Products Company, The, Toledo, Ohio. Poppet valves, machinery bushings, water pump parts, etc. Serial No. 462,693; Mar. 7. Class 23.
Tubular Garment Hangers, Inc., Milwaukee, Wis. Garment hangers. Serial No. 465,493; Mar. 7. Class 50.
United Distillers Products Corp., Amston, Conn. Rum. Serial No. 465,305; Mar. 7. Class 49.
United Gilsonite Laboratories, Scranton, Pa. Preparation for cleaning floors and walls. Serial No. 465,767; Mar. 7. Class 4.
Varniton Company, The, Los Angeles, Calif. Lubricating greases. Serial No. 466,185; Mar. 7. Class 15.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Vitamin composition. Serial No. 464,363; Mar. 7. Class 6.
Wentz Equipment Company, Topeka, Kans. Hydraulically operated wheeled hauling trailer scraper. Serial No. 464,124; Mar. 7. Class 23.
Western Auto Supply Company, Kansas City, Mo. Lawn mowers. Serial No. 462,217; Mar. 7. Class 23.
Willamette Hyster Company, Portland, Oreg. Winches, hoists, cranes, etc. Serial Nos. 464,837–8; Mar. 7. Class 23.
Willamette Hyster Company, Portland, Oreg. Lumber carriers and lift trucks. Serial No. 464,839; Mar. 7. Class 23.
Wilson Brothers, Chicago, Ill. Men's and boys' underwear and pajamas. Serial No. 462,531; Mar. 7. Class 39.
Ziv Steel & Wire Co., Chicago, Ill. Tool steel and tool steel alloys. Serial No. 466,208; Mar. 7. Class 14.
Zweigenthal, Joseph, doing business as The Home Recording Company, New York, N. Y. Recording discs for electrical recordings. Serial No. 464,932; Mar. 7. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Ackerman-Stewart Drug Co. (See Tilghman, William G.)
Akron Grocery Co., The, assignor to Akron Wholesale Coffee Company, Akron, Ohio. Coffee, olive oil, and sugar. 181,039; renewed Mar. 11, 1944.
Akron Wholesale Coffee Company. (See Akron Grocery Co., The, assignor.)
American Bearing Corporation, Indianapolis, Ind. Babbitt-lined and other metallic bearings. 406,089; Mar. 7. Class 23.
American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,379; renewed July 8, 1944.
American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,385; renewed July 8, 1944.
American Hydraulics, Inc., Sheboygan, Wis. Hydraulic jacks, fender straighteners, tool grinders, etc. 406,031; Mar. 7; Serial No. 461,706; published Dec. 7, 1943. Class 23.
Anabolic Food Products, Inc., Glendale, Calif. Dietary supplemental mineral food. 406,043; Mar. 7; Serial No. 463,374; published Dec. 14, 1943. Class 6.
Arco Metalcraft Inc., New York, N. Y. Hand mirrors. 406,086; Mar. 7; Serial No. 464,773; published Dec. 28, 1943. Class 32.
Atlas Paint and Varnish Company. (See Wexler, Joseph.)
Barrese, Edwin G., assignor to Gold Cap Chemical Company, Inc., Somerville, Mass. Ammonia and bleach. 406,024; Mar. 7; Serial No. 460,948; published Dec. 21, 1943. Class 6.
Basic Magnesium Incorporated, Las Vegas, Nev. Melting and refining fluxes. 406,079; Mar. 7; Serial No. 464,212; published Dec. 21, 1943. Class 6.
Beacon Chemical Corporation, Philadelphia, Pa. Disinfectant, bleach, water softener, etc. 405,999; Mar. 7; Serial No. 428,792; published July 2, 1940. Class 6.
Bear Brand Hosiery Co. (See Paramount Knitting Company, assignor.)
Benchley Fruit Co. (See Benchley, W. L.)
Benchley, W. L., doing business as Benchley Fruit Co., assignor, by mesne assignments, to Eadington Fruit Co., Fullerton, Calif. Fresh citrous fruits. 185,327; renewed June 10, 1944.
Berger, Herman, doing business as Standard Pharmaceutical Co., New York, N. Y. Sedatives particularly aerbaccous sedatives. 406,058; Mar. 7; Serial No. 463,925; published Dec. 21, 1943. Class 6.
Berger, Isodor, doing business as Eclipse Knitting Mills, assignor to Eclipse Knitting Mills, Newark, N. Y. Sweaters. 179,608; renewed Feb. 12, 1944.
Berry Seed Company, Clarinda, Iowa. Hybrid seed corn. 406,108; Mar. 7. Class 1.
Beutalure, Inc., Wilmington, Del. Preparation for removing dandruff. 406,062; Mar. 7; Serial No. 463,987; published Dec. 21, 1943. Class 6.
Bragg, Paul C., doing business as Sun Olive Cosmetic Co., Burbank, Calif. Face powder, shampoo and facial creams, etc. 406,054; Mar. 7; Serial No. 463,864; published Dec. 21, 1943. Class 6.
British Celanese Limited. (See British Cellulose and Chemical Manufacturing Company.)
British Cellulose and Chemical Manufacturing Company, Limited, now by change of name British Celanese Limited, London, England, assignor to Celanese Corporation of America, New York, N. Y. Sheets, bands, films, etc. 184,123; renewed May 20, 1944.
Burgess Battery Company, Chicago, Ill. Dry batteries and flashlight cases. 406,111; Mar. 7. Class 21.
Celanese Corporation of America. (See British Cellulose and Chemical Manufacturing Company, Limited, assignor.)
Chipman Knitting Mills, Easton, Pa., assignor, by mesne assignments, to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 185,477; renewed June 17, 1944.
Chipman's, Chas., Sons Co., Inc. (See Chipman Knitting Mills, assignor.)
Cinamon, Bessie P. (See Special Chemicals Corporation, assignor.)
Cinamon, Lionel. (See Special Chemical Corporation, assignor.)
Coffee Products Corporation, assignor to General Foods Corporation, New York, N. Y. Coffee and coffee substantially freed of caffein. 183,168; renewed Apr. 22, 1944.
Colcombet, Inc., also doing business as Colcombet Cellars, San Francisco, Calif. Wines. 406,091; Mar. 7. Class 47.
Colcombet Cellars. (See Colcombet, Inc.)
Collins, J. N., Company, Minneapolis, Minn., to Peter Paul, Inc., Naugatuck, Conn., successor. Candies. 183,014; renewed Apr. 22, 1944.
Colorado Milling & Elevator Company, The, also doing business as The Denver Flour Mills, Hungarian Branch, Denver, Colo. Wheat flour. 182,151; renewed Apr. 1, 1944.
Commander-Larabee Milling Company. (See Minneapolis Milling Co., assignor.)
Commodity Research Bureau, Inc., New York, N. Y. Publications. 406,096; Mar. 7. Class 38.
Continental Tobacco Company, Inc., assignor to Philip Morris & Co. Ltd., Incorporated, New York, N. Y. Smoking tobacco. 185,165; renewed June 10, 1944.
Cook Chocolate Company, Chicago, Ill. Chocolate bars fortified with vitamins. 406,029; Mar. 7; Serial No. 461,433; published Dec. 21, 1943. Class 6.
Cover & Company. (See Cover, Thomas, Jr.)
Cover, Thomas, Jr., doing business as Cover & Company, assignor to Cover & Company, Philadelphia, Pa. Sole leather. 181,165; renewed Mar. 11, 1944.

Creco Company. (See United Sanitary Products Company, Inc.)
Crosby-Wartmann Packing Co., The, Citra, Fla. Fresh citrous fruits. 183,984; renewed May 13, 1944.
Crozier, Harold E., doing business as Crozier Machine Tool Company, Hawthorne, Calif. Collets, polishing lathes and tool post turrets. 406,049; Mar. 7; Serial No. 463,569; published Dec. 28, 1943. Class 23.
Crozier Machine Tool Company. (See Crozier, Harold E.)
Darling, L. A., Company, Bronson, Mich. Merchandise display forms. 406,037; Mar. 7; Serial No. 463,015; published Dec. 28, 1943. Class 50.
David, Roger H., St. Paul, Minn. Shoe polish in stick form, and polishing cloths used therewith. 406,090; Mar. 7. Class 4.
Dawes, John C., Irvington, N. J., to J. C. Dawes, San Jose, Calif. Corn remover. 179,199; renewed Feb. 5, 1944.
Denver Flour Mills, Hungarian Branch, The. (See Colorado Milling & Elevator Company.)
Dicalite Company, The, Los Angeles, Calif. Earth mixtures for reclaiming waste solvents. 406,069; Mar. 7; Serial No. 464,106; published Dec. 28, 1943. Class 1.
Distillation Products, Inc., Rochester, N. Y. Vitamin preparations. 406,057; Mar. 7; Serial No. 463,899; published Dec. 14, 1943. Class 6.
Dow Chemical Company, The, Midland, Mich. Films, foil, or sheets for use as wrapping and packaging material. 406,036; Mar. 7; Serial No. 462,966; published Dec. 28, 1943. Class 37.
Eadington Fruit Co. (See Benchley, W. L., assignor.)
Eastern Coal Sales Company. (See Tierney, Laurence E., Fuel Company, assignor.)
Eclipse Knitting Mills. (See Berger, Isodor.)
Engineering Products Corporation, Incorporated, The, New York, N. Y. Combination of chemical materials. 185,994; renewed June 24, 1944.
Excello Shirt Co., Inc., assignor, by mesne assignments, to Excello Shirts, Inc., New York, N. Y. Garments. 170,125; renewed July 10, 1943.
Excello Shirt Co. Inc., assignor, by mesne assignments, to Excello Shirts, Inc., New York, N. Y. Men's and boys' dress and negligee shirts. 170,068; renewed July 10, 1943.
Excello Shirt Co. Inc. (See Excello Shirts, Inc., assignor.)
Findley, F. G., Co., The, Milwaukee, Wis. Waterproof pastes, glues, and adhesive gums. 406,011; Mar. 7; Serial No. 457,035; published Apr. 20, 1943. Class 5.
Fisk Rubber Company, The, Chicopee Falls, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Vehicle tires. 180,727; renewed Mar. 4, 1944.
Frankel-Jacobs, New York, N. Y. Leather card cases, key cases, brief cases, etc. 406,110; Mar. 7. Class 3.
Geigy Company, Inc., New York, N. Y. Insecticides. 406,070–1; Mar. 7; Serial Nos. 464,132–3; published Dec. 21, 1943. Class 6.
General Foods Corporation. (See Coffee Products Corporation, assignor.)
Gerber & Co., Inc., New York, N. Y. Imported French Gruyère cheese. 185,743; renewed June 24, 1944.
Globe Roofing Products Co., Inc., Whiting, Ind. Insulated wood design siding. 406,094; Mar. 7. Class 12.
Gold Bond Products Co., The. (See Mitchell, James A.)
Gold Cap Chemical Company, Inc. (See Barrese, Edwin G., assignor.)
Graham, John H., & Co., Inc., New York, N. Y. Braided and twisted cotton cord and twine. 406,015–16; Mar. 7; Serial Nos. 458,512–13; published June 8, 1943. Class 7.
Griscom-Russell Company, The, New York, N. Y. Fin-tube heat exchanger. 184,863; renewed June 3, 1944.
Gruen Watch Company, The, Cincinnati, and Time Hill, Cincinnati, Ohio. Watches, watch cases, and watch movements. 406,030; Mar. 7; Serial No. 461,462; published Aug. 24, 1943. Class 27.
Guaranteed Products, Inc. (See Routh, Robert, assignor.)
Gurian Laboratories, Inc., Brooklyn, N. Y. Laxative preparation. 406,072; Mar. 7; Serial No. 464,165; published Dec. 21, 1943. Class 6.
Hall, Clifford T. (See Hanover-Hall Company, assignor.)
Hall, Martin L., Company, Boston, Mass. Coffee and tea. 185,745; renewed June 24, 1944.
Hanes Hosiery Incorporated, New York, N. Y. Hosiery. 406,102; Mar. 7. Class 39.
Hanover-Hall Company, assignor, by mesne assignments, to Clifford T. Hall, New York, N. Y. Men's felt, straw, cloth, and silk hats and caps. 170,381; renewed July 17, 1943.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Pencils of all kinds. 406,063; Mar. 7; Serial No. 463,998; published Dec. 28, 1943. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Crayons of all kinds. 406,073; Mar. 7; Serial No. 464,166; published Dec. 28, 1943. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Lead pencils. 406,074–5; Mar. 7; Serial Nos. 464,167–8; published Dec. 28, 1943. Class 37.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruits. 406,088; Mar. 7. Class 46.
Hearst Corporation, The. (See King Features Syndicate, Inc.)
Hervey Manufacturing Co., New York, N. Y. Perfumes in liquid and powder form, perfume bags, and perfume sachets. 406,080; Mar. 7; Serial No. 464,226; published Dec. 21, 1943. Class 6.
Hubinger Co., The, Keokuk, Iowa. Laundry starch. 406,046–7; Mar. 7; Serial Nos. 463,540–1; published Dec. 14, 1943. Class 6.
Hubinger Co., The, Keokuk, Iowa. Laundry starch. 406,048; Mar. 7; Serial No. 463,543; published Dec. 14, 1943. Class 6.
Hunt Hatch & Co., Oakland, Calif. Fresh fruits, and fresh vegetables. 186,300; renewed July 8, 1944.
Hydraulic Equipment Company, Cleveland, Ohio. Hydraulic pumps, hydraulic control valves, etc. 406,044; Mar. 7; Serial No. 463,462; published Dec. 7, 1943. Class 23.
Hygrade Sylvania Corporation, Salem, Mass., by change of name to Sylvania Electric Products Inc. Electric lamps, electron tubes, radio receivers, etc. 406,002; Mar. 7; Serial No. 449,098; published June 29, 1943. Class 21.
Hy-Pure Laboratories, Inc. (See U. S. Pure Drug Laboratories.)
Iowa Soap Company, Burlington, Iowa. Soap. 186,344; renewed July 8, 1944.
Ireland Bros. Inc., New York, N. Y., assignor to Ireland Bros., Limited, Belfast, Northern Ireland. Linen goods in the piece, handkerchiefs, and household or domestic goods, etc. 172,940; renewed Sept. 11, 1943.
Ireland Bros. Inc., New York, N. Y., assignor to Ireland Bros. Limited, Belfast, Northern Ireland. Linen goods in the piece, handkerchiefs, etc. 178,688; renewed Jan. 15, 1944.
Irvington Varnish & Insulator Co., Irvington, N. J. Electrical insulation material. 185,527; renewed June 17, 1944.
Jaeger Machine Company, The, Columbus, Ohio. Portable power driven cranes and loaders. 406,076; Mar. 7; Serial No. 464,171; published Dec. 21, 1943. Class 23.
Johns-Manville Corporation, New York, N. Y. Felt base composition shingles and sheet roofing. 406,006; Mar. 7; Serial No. 454,036; published Dec. 28, 1943. Class 12.
Johnson-March Corporation, The, New York, N. Y. Composition for dustproofing coal. 406,055; Mar. 7; Serial No. 463,818; published Dec. 14, 1943. Class 6.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Interior wall paints. 406,083; Mar. 7; Serial No. 464,416; published Dec. 28, 1943. Class 16.
Josephson, Robert, doing business as Sta-White Manufacturing Company, Miami, Fla. Powdered cleaner. 406,106; Mar. 7. Class 4.
Kansas Milling Company, The, Wichita, Kans. Wheat flour. 185,397; renewed June 17, 1944.
Karpeles, Maurice J., Inc., Providence, R. I. Prayer books, religious books, etc. 406,104; Mar. 7. Class 38.
Kaufman & Ruderman, Inc., New York, N. Y. Children's costume jewelry. 406,061; Mar. 7; Serial No. 463,973; published Dec. 28, 1943. Class 28.
Kenzoid Corporation, The, Philadelphia, Pa. Chemical preparation. 406,045; Mar. 7; Serial No. 463,522; published Dec. 21, 1943. Class 6.
King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y., by merger. Cartoons. 179,617; renewed Feb. 12, 1944.
Klear-Vu Products Co., Newark, N. J. Plastic grater. 406,009; Mar. 7; Serial No. 455,948; published Dec. 7, 1943. Class 23.
Kocher, Walter, New York, N. Y. Watches. 406,112; Mar. 7. Class 27.
Korex Company, The. (See Paisley, Taylor.)
Kurlash Company, The. (See Stickel Company, Inc., The.)
Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Chlorinated water purification tablet. 406,059; Mar. 7; Serial No. 463,931; published Dec. 21, 1943. Class 6.
Larkin Store Corporation, Buffalo, N. Y. Soap. 406,010; Mar. 7; Serial No. 456,125; published Dec. 28, 1943. Class 4.
Leffert, Herman J., New York, N. Y. Watches, watch cases, watch movements, etc. 406,109; Mar. 7. Class 27.
Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 406,000; Mar. 7; Serial No. 447,704; published Dec. 14, 1943. Class 6.
Litchfield Manufacturing Company, Litchfield, Mich. Stoves and outdoor broilers. 406,097; Mar. 7. Class 34.
Luhow, Bernard, New York, N. Y. Glass bottle novelties displaying a coin therein used as talismans. 406,008; Mar. 7; Serial No. 454,660; published Feb. 9, 1943. Class 50.
Lupomatic Tumbling Machine Co., Inc., New York, N. Y. Tumbling barrels, machines and apparatus. 406,028; Mar. 7; Serial No. 461,414; published Dec. 14, 1943. Class 23.
Lynch, E. P., Inc., Providence, R. I. Sheet or strip material with a luminescent coating. 406,034; Mar. 7; Serial No. 462,686; published Dec. 28, 1943. Class 50.
Lyndonville Creamery Association, Lyndonville, Vt. Fresh milk and cream, cheese, cottage cheese, etc. 186,037; renewed July 1, 1944.

Manson. (See Manson, Alexander.)
Manson, Alexander, doing business as Manson, Chicago, Ill. Perfumes. 406,065; Mar. 7; Serial No. 464,027; published Dec. 21, 1943. Class 6.
Manson Distributors, Chicago, Ill. Cologne. 406,077; Mar. 7; Serial No. 464,176; published Dec. 21, 1943. Class 6.
Manufacturers Specialty Company, Whiting, Ind. Insulated asphalt siding. 406,092; Mar. 7. Class 12.
Marathon Paper Mills Company, Rothschild, Wis. Bonding agent consisting of lignin resins for sand and clay, etc. 406,052; Mar. 7; Serial No. 463,737; published Dec. 28, 1943. Class 5.
Marsh Wall Products, Inc., Dover, Ohio. Fiber wall boards in sheet form to be used instead of plaster. 406,025; Mar. 7; Serial No. 460,998; published Dec. 28, 1943. Class 12.
Martin, Harry M., doing business as Martin Laboratories, New York, N. Y. Cosmetics for hair and hair lotion materials. 406,038; Mar. 7; Serial No. 463,078; published Dec. 14, 1943. Class 6.
Martin Laboratories. (See Martin, Harry M.)
McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines published periodically. 406,101; Mar. 7. Class 38.
Menasco Manufacturing Company, Burbank, Calif. Engines. 406,019; Mar. 7; Serial No. 459,628; published Dec. 7, 1943. Class 23.
Metro Chocolate Co., Inc. (See Ridley's, The Old Chambers Street Candy Manufactory.)
Middlebrooke Lancaster, Inc., Brooklyn, N. Y. Hair shampoo. 406,026; Mar. 7; Serial No. 461,322; published Dec. 21, 1943. Class 6.
Middlebrooke Lancaster, Inc., Brooklyn, N. Y. Hair lacquer. 406,103; Mar. 7. Class 6.
Miner's Inc., New York, N. Y. Face powder. 405,998; Mar. 7; Serial No. 427,038; published Oct. 5, 1943. Class 6.
Minneapolis Milling Company, assignor to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 186,434; renewed July 8, 1944.
Minneapolis Milling Co., assignor to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 184,476–7; renewed May 27, 1944.
Minneapolis Milling Co., assignor to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 184,668; renewed May 27, 1944.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive cements. 406,082; Mar. 7; Serial No. 464,351; published Dec. 28, 1943. Class 5.
Minute Tapioca Company, assignor to Minute Tapioca Company, Inc., Orange, Mass. Fresh tropical fruits. 184,694; renewed May 27, 1944.
Mitchell Bros. Inc., New York, N. Y. Ladies', misses'. and children's muslin, silk, and flannelette undergarments. 182,759; renewed Apr. 15, 1944.
Mitchell, James A., doing business as The Gold Bond Products Co., Denison, Iowa. Nonalcoholic, noncereal, maltless beverages. 179,606; renewed Feb. 12, 1944.
Monsanto Chemical Company, St. Louis, Mo. Compounds used in the curing of rubber articles. 406,066; Mar. 7; Serial No. 464,061; published Dec. 14, 1943. Class 6.
Moorman Manufacturing Company, Quincy, Ill. Mineral mixture. 181,238; renewed Mar. 18, 1944.
Morris, Philip, & Co. (See Continental Tobacco Company, Inc., assignor.)
Murcott & Campbell, Inc., Brooklyn, N. Y. Hand tools. 406,033; Mar. 7; Serial No. 462,648; published Dec. 21, 1943. Class 23.
Murphy, H. B., Brawley, Calif. Fresh vegetables. 406,050; Mar. 7; Serial No. 463,701; published Nov. 30, 1943. Class 46.
Mutual Orange Distrbutors, Redlands, Calif. Fresh citrous fruits. 186,403; renewed July 8, 1944.
Napier Company, The, Meriden, Conn. Bags of metal mesh, silk or leather, vanity cases, cigarette cases, etc. 185,776; renewed June 24, 1944.
Napier Company, The, Meriden, Conn. Bags of metal mesh, silk or leather, cigarette cases, etc. 185,675; renewed June 24, 1944.
Newaygo Engineering Company, Newaygo, Mich. Clutches for detachably connecting driving mechanism to driven mechanism. 406,067; Mar. 7; Serial No. 464,063; published Dec. 28, 1943. Class 23.
Newman, Benjamin. (See United Sanitary Products Company Inc.)
North American Phillips Company, Inc., Dobbs Ferry, N. Y. Silver wire, enameled wire, and wire, etc. 406,060; Mar. 7; Serial No. 463,934; published Dec. 28, 1943. Class 14.
Norton Company, Worcester, Mas. Abrasive products. 184,892–3; renewed June 3, 1944.
Novack, Harry J., Philadelphia, Pa. Liquid iodine and bromine preparation. 184,596; renewed May 27, 1944.
Old Monk Punch Company. (See Southwestern Coca-Cola Bottling Co., assignor.)
Pacific Abrasive Supply Company, Los Angeles, Calif. Sanding machines. 406,027; Mar. 7; Serial No. 461,350; published Dec. 21, 1943. Class 23.
Packing Products Company, New York, N. Y. Casein, a raw material used in making paper coating, glue, paint, and plastics. 406,068; Mar. 7; Serial No. 464,092; published Dec. 28, 1943. Class 1.
Paisley, Taylor, doing business as The Korex Company, Ferndale, Mich. Compound for cleaning stoves, etc., and a powder rug cleaner. 406,023; Mar. 7; Serial No. 460,877; published Sept. 21, 1943. Class 4.
Paper Package Company, Indianapolis, Ind. Cardboard boxes. 406,085; Mar. 7; Serial No. 464,583; published Dec. 28, 1943. Class 2.
Paramount Knitting Company, The, assignor to Bear Brand Hosiery Co., assignor, by mesne assignments, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Textile articles—namely, hosiery. 179,340; renewed Feb. 5, 1944.
Parfumerie Roger et Gallet, S. A., Paris, France. Soaps. 183,656; renewed May 6, 1944.
Parfumerie Roger et Gallet, S. A., Paris, France. Pastes and powders and perfumery. 184,199; renewed May 20, 1944.
Paul, Peter, Inc. (See Collins, J. N., Company.)
Pellegrino, Gustave, doing business as Rumo-Digest Mfg. Co., New York, N. Y. Antacid preparation. 406,053; Mar. 7; Serial No. 443,891; published Nov. 9, 1943. Class 6.
Philco Corporation, Philadelphia, Pa. Ceramic ware. 406,004; Mar. 7; Serial No. 450,904; published Dec. 28, 1943. Class 30.
Philip, Arthur, & Co., Inc., New York, N. Y. Animal hairs and wool. 406,078; Mar. 7; Serial No. 464,181; published Dec. 28, 1943. Class 1.
Phillips-Jones Corporation, New York, N. Y. Dress shirts, negligee shirts, work shirts, etc. 182,701; renewed Apr. 15, 1944.
Phillips-Jones Corporation, New York, N. Y. Piece goods. 183,600; renewed May 6, 1944.
Phillips-Jones Corporation, New York, N. Y. Cotton piece goods. 184,762; renewed June 3, 1944.
Phillips-Jones Corporation, New York, N. Y. Piece goods. 185,246; renewed June 10, 1944.
Phillips-Jones Corporation, New York, N. Y. Waists, dress shirts, negligee, shirts, etc. 185,760; renewed June 24, 1944.
Phillips-Jones Corporation, New York, N. Y. Shirts, nightshirts, pyjamas. 186,353; renewed July 8, 1944.
Piper, H., Co., The, Chicago, Ill. Bread. 185,171; renewed June 10, 1944.
Pullman Company, The, Chicago, Ill. Railroad passenger cars. 406,007; Mar. 7; Serial No. 454,521; published Dec. 28, 1943. Class 19.
Purocaine Chemical Company, Inc., New York and Long Island City, N. Y. Anaesthetic. 406,051; Mar. 7; Serial No. 463,707; published Dec. 21, 1943. Class 6.
Quigley Furnace Specialties Company, Inc., New York, N. Y., by change of name to Quigley Company, Inc. Refractory linings for furnace structures. 183,462; renewed Apr. 29, 1944.
Quickley Company, Inc. (See Quigley Furnace Specialties Company, Inc.)
Radcraft Publications, Inc., New York, N. Y. Articles published monthly. 406,093; Mar. 7. Class 38.
Records & Goldsborough, Incorporated, Baltimore, Md. Rum. 406,100; Mar. 7. Class 49.
Ridley's, The Old Chambers Street Candy Manufactory, Long Island City, N. Y., to the Metro Chocolate Co., Inc., Brooklyn, N. Y., successor. Candies. 180,880; renewed Mar. 11, 1944.
Rococo Coffee Company. (See Ronberg, Heinz.)
Ronberg, Heinz, doing business as Rococo Coffee Company, Stamford, Conn. Coffee and tea. 406,021; Mar. 7; Serial No. 460,162; published Dec. 28, 1943. Class 48.
Routh, Robert, doing business as Swedish Litehair Shampoo Company, New York, assignor to Guaranteed Products, Inc., assignor to Guaranteed Products, Inc., Long Island City, N. Y. Hair shampoo and hair washes. 186,021; renewed July 1, 1944.
Rumo-Digest Mfg. Co. (See Pellegrino, Gustave.)
Ruzak Industries. (See Zaikaner, Herman.)
Schreiber Brewing Company, Inc. (See Schreiber Products Corporation.)
Schreiber Products Corporation, Buffalo, N. Y., by change of name to Schreiber Brewing Company, Inc. Coffee. 185,217; renewed June 10, 1944.
Scibiorski, Lucyan W., Chicago, Ill. Medicinal ointment. 406,056; Mar. 7; Serial No. 463,894; published Dec. 14, 1943. Class 6.
Seeman Brothers, Inc., New York, N. Y. Liquid air freshening deodorant. 406,087; Mar. 7; Serial No. 463,823; published Dec. 7, 1943. Class 6.
Slater, C. B., Company, South Braintree, Mass. Men's, women's and children's boots, shoes, and slippers. 185,880; renewed June 24, 1944.
Slosar, Paul R., Bridgeport, Conn. Blotters. 406,003; Mar. 7; Serial No. 450,867; published Dec. 28, 1943. Class 37.
Smith, A. L., Iron Company, Chelsea, Mass. Fluorescent lighting fixtures, wall lamps and floor lamps. 406,084; Mar. 7; Serial No. 464,448; published Dec. 28, 1943. Class 21.
Smith, L. C., Bearings Co., Chicago, Ill. Ball, roller, and thrust bearings, and steel balls, etc. 186,149; renewed July 1, 1944.
Southwestern Coca-Cola Bottling Co., Deming, N. Mex., assignor to Old Monk Punch Company, El Paso, Tex. Ginger ale, orange, lemon, etc., all being nonalcoholic, noncereal, maltless beverages. 183,211; renewed Apr. 22, 1944.

Special Chemicals Company. (See Special Chemicals Corporation, assignor.)
Special Chemicals Corporation, New York, N. Y., assignor to Lionel Cinamon and Bessie P. Cinamon, doing business as Special Chemicals Company. Mixture of chemicals and abrasives used in cleaning and polishing of precious and other metals. 406,005; Mar. 7; Serial No. 453,861; published Dec. 15, 1942. Class 4.
Sperry-Sun Well Surveying Company, Philadelphia, Pa. Instruments used within bore holes. 406,012; Mar. 7; Serial No. 457,214; published Sept. 21, 1943. Class 26.
Standard Appliance Company. (See Wuille, Phillip H.)
Standard Brands Incorporated. (See Vanderboget, Frank C., assignor.)
Standard Pharmaceutical Co. (See Berger, Herman.)
Standard Register Company, The, Dayton, Ohio. Platen rolls. 406,064; Mar. 7; Serial No. 464,008; published Dec. 7, 1943. Class 23.
Stauffer Chemical Company, San Francisco, Calif. Alkali metal antimonyls of fruit acids. 406,081; Mar. 7; Serial No. 464,259; published Dec. 21, 1943. Class 6.
Sta-White Manufacturing Company. (See Josephson, Robert.)
Stickel Company, Inc., The, Rochester, N. Y., by change of name to The Kurlash Company, Inc. Eyelash crimpers. 178,497; renewed Jan. 15, 1944.
Stokes Canning Company. (See Stokes, Edward S.)
Stokes, Edward S., doing business as The Stokes Canning Company, Denver, Colo. Canned and packaged chile con carne. 406,095; Mar. 7. Class 46.
Sun Olive Cosmetic Co. (See Bragg, Paul.)
Swedish Litehair Shampoo Company. (See Routh, Robert.)
Swift and Company, Chicago, Ill. Soap. 185,110; renewed June 10, 1944.
Sylvania Electric Products Inc. (See Hygrade Sylvania Corporation.)
Taylor Instrument Companies, Rochester, N. Y. Thermometers. 179,310; renewed Feb. 5, 1944.
Tierney, Laurence E., Fuel Company, assignor to Eastern Coal Sales Company, Bluefield, W. Va. Coal. 179,232; renewed Feb. 5, 1944.
Tilghman, William G., to Ackerman-Stewart Drug Co., Palatka, Fla., successor. Condition-powders. 24,756; re-renewed May 22, 1944.
Tremco Manufacturing Company, The, Cleveland, Ohio. Permanently elastic compound for leak proofing and rust proofing, etc. 406,018; Mar. 7; Serial No. 459,502; published Dec. 28, 1943. Class 12.
Trojan Products & Mfg. Co., Chicago, Ill. Drying up and absorbent mineral compound. 406,041; Mar. 7; Serial No. 463,338; published Dec. 21, 1943. Class 6.
Tullar-Meredith Co., New York, N. Y. Song and story leaflets or booklets. 186,108; renewed July 1, 1944.
Uhrik, John, Chicago, Ill. Cleaner for painted and enameled walls, woodwork, etc. 406,098; Mar. 7. Class 4.
Union Bag & Paper Corporation, New York, N. Y. Oils for paints. 406,020; Mar. 7; Serial No. 460,039; published Dec. 23, 1943. Class 16.
United Cigar-Whelan Stores Corporation, New York, N. Y. Suspensories. 406,013; Mar. 7; Serial No. 458,166; published May 11, 1943. Class 44.
United Distillers Products Corp., Amston, Conn. Whiskey. 406,105; Mar. 7. Class 49.
United Sanitary Products Company Inc., New York, to Benjamin Newman, doing business as Creco Company, Long Island City, N. Y., successor. Liquid soap. 180,853; renewed Mar. 11, 1944.
United Sanitary Products Company Inc., New York, to Benjamin Newman, doing business as Creco Company, Long Island City, N. Y., successor. Liquid soap. 185,101; renewed June 10, 1944.
U. S. Pure Drug Laboratories to Hy-Pure Laboratories, Inc., Cincinnati, Ohio, successor. Powdered alum, boric acid, powdered borax, etc. 179,073; renewed Feb. 5, 1944.
United States Rubber Company. (See Fisk Rubber Company, The, assignor.)
U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap. 178,620; renewed Jan. 15, 1944.
Vanderboget, Frank C., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Baking powder. 180,717; renewed Mar. 4, 1944.
Vendo Company, The, Kansas City, Mo. Coin controlled bottle vending attachments for refrigerated cabinets and parts of said attachments. 406,001; Mar. 7; Serial No. 448,120; published Dec. 28, 1943. Class 23.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Amino acid preparations. 406,017; Mar. 7. Serial No. 458,665; published May 4, 1943. Class 6.
Warner, William R., & Co. Inc., New York, N. Y. Vitamin B complex composition. 406,107; Mar. 7. Class 6.
Warren, W., Thread Wks., Westfield, Mass., to W. Warren Thread Works, New York, N. Y. Spool cotton. 183,207; renewed Apr. 22, 1944.
Warren, W., Thread Works, Inc. (See Warren, W., Thread Wks.)
Weaver, Alice P. (See Weaver, Cartter.)
Weaver, Cartter, doing business as Weaver Specialty Company, to Alice P. Weaver, doing business as Weaver Specialty Co., Pittsburgh, Pa., successor. Soldering paste or flux. 179,425; renewed Feb. 12, 1944.
Weaver Specialty Company. (See Weaver, Cartter.)
Wexler, Joseph, doing business as Atlas Paint and Varnish Company, New York, N. Y. Paints and lacquers. 406,039–40; Mar. 7; Serial Nos. 463,281–2; published Dec. 28, 1943. Class 16.
White, J. J., Paper Company, Canton, Mass. Waterproof building paper. 184,237; renewed May 20, 1944.
Whitman, Stephen F., & Son. Inc., Philadelphia, Pa. Candy. 180,302; renewed Feb. 26, 1944.
Wilkinson Rubber Linatex Limited, London, England. Non-metallic hose pipe. 406,014; Mar. 7; Serial No. 458,310; published Dec. 28, 1943. Class 35.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries. 185,516; renewed June 17, 1944.
Wolfe & Mann Manufacturing Company, The, Baltimore, Md. Aircraft service and repair platforms of a collapsible nature. 406,022; Mar. 7; Serial No. 460,488; published Dec. 28, 1943. Class 50.
Wood, Gar, Industries, Inc., Detroit, Mich. Gas and oil fired automatic heating and air conditioning units, heating boilers, etc. 406,032; Mar. 7; Serial No. 461,992; published Dec. 28, 1943. Class 34.
Wuille, Phillip H., doing business as Standard Appliance Company, Charlotte, N. C. Preparation for stopping runs in knit goods. 406,042; Mar. 7; Serial No. 463,363; published Dec. 14, 1943. Class 6.
Wyeth Incorporated. (See Wyeth, John, and Brother Incorporated.)
Wyeth, John, and Brother Incorporated, Philadelphia, Pa., now by change of name Wyeth Incorporated. Medicinal compound. 406,035; Mar. 7; Serial No. 462,762; published Dec. 21, 1943. Class 6.
Zaikaner, Herman, doing business as Ruzak Industries, New York, N. Y. Appliqué motifs for trimming garments. 406,099; Mar. 7. Class 40.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Casein, a raw material used in making paper coating, glue, paint, and plastics. Packing Products Company. 406,068; Mar. 7; Serial No. 464,092; published Dec. 28, 1943.
Coal. Laurence E. Tierney Fuel Company. 179,232; renewed Feb. 5, 1944.
Leather, Sole. T. Cover, Jr. 181,165; renewed Mar. 11, 1944.
Seed corn, Hybrid. Berry Seed Company. 406,108; Mar. 7.
Sheets, bands, films, etc. British Cellulose and Chemical Manufacturing Company, Limited. 184,123; renewed May 20, 1944.
Solvents, Earth mixtures for reclaiming waste. The Dicalite Company. 406,069; Mar. 7; Serial No. 464,106; published Dec. 28, 1943.
Wool, Animal hairs and. Arthur Philip & Co., Inc. 406,078; Mar. 7; Serial No. 464,181; published Dec. 28, 1943.

CLASS 2

Boxes, Cardboard. Paper Package Company. 406,085; Mar. 7; Serial No. 464,583; published Dec. 28, 1943.

CLASS 3

Cases, key cases, brief cases, etc., Leather card. Frankel-Jacobs. 406,110; Mar. 7.

CLASS 4

Abrasive products. Norton Company. 184,892–3; renewed June 3, 1944.
Chemicals and abrasives used in cleaning and polishing of precious and other metals, Mixture of. Special Chemicals Corporation. 406,005; Mar. 7; Serial No. 453,861; published Dec. 15, 1942.
Cleaner for painted and enameled walls, woodwork, etc. J. Uhrik. 406,098; Mar. 7.
Cleaner, Powdered. R. Josephson. 406,106; Mar. 7.
Compound for cleaning stoves, etc., and powder rug cleaner. T. Paisley. 406,023; Mar. 7; Serial No. 460,877; published Sept. 21, 1943.
Polish in stick form, and polishing cloths used therewith, Shoe. Roger Harry David. 406,090; Mar. 7.
Soap. Iowa Soap Company. 186,344; renewed July 8, 1944.
Soap. Larkin Store Corporation. 406,010; Mar. 7; Serial No. 456,125; published Dec. 28, 1943.
Soap. Swift and Company. 185,110; renewed June 10, 1944.

Soap. U. S. Sanitary Specialties Corporation. 178,620; renewed Jan. 15, 1944.
Soap, Liquid. United Sanitary Products Company, Inc. 150,853; renewed Mar. 11, 1944.
Soap, Liquid. United Sanitary Products Company, Inc. 185,101; renewed June 10, 1944.
Soaps. Parfumerie Roger et Gallet, S. A. 183,656; renewed May 6. 1944.

CLASS 5

Bonding agent consisting of lignin resins for sand and clay, etc. Marathon Paper Mills Company. 406,052; Mar. 7; Serial No. 463,737; published Dec. 28, 1943.
Cements, Adhesive. Minnesota Mining & Manufacturing Company. 406,082; Mar. 7; Serial No. 464,351; published Dec. 28, 1943.
Pastes, glues, and adhesive gums, Waterproof. F. G. Findley Co. 406,011; Mar. 7; Serial No. 457,035; published Apr. 20, 1943.

CLASS 6

Acid preparations, Amino. William R. Warner & Co., Inc. 406,017; Mar. 7; Serial No. 458,665; published May 4, 1943.
Alkali metal antimonyls of fruit acids. Stauffer Chemical Company. 406,081; Mar. 7; Serial No. 464,259; published Dec. 21, 1943.
Alum, boric acid, powdered borax, etc., Powdered. U. S. Pure Drug Laboratories. 179,073; renewed Feb. 5, 1944.
Ammonia and bleach. E. G. Barrese. 406,024; Mar. 7; Serial No. 460,948; published Dec. 21, 1943.
Anaesthetic. Purocaine Chemical Company. 406,051; Mar. 7; Serial No. 463,707; published Dec. 21, 1943.
Antacid preparation. G. Pellegrino. 406,053; Mar. 7; Serial No. 443,891; published Nov. 9, 1943.
Chemical materials, Combination of. Engineering Products Corporation, Incorporated. 185,884; renewed June 24, 1944.
Chemical preparation. Kenzoid Corporation. 406,045; Mar. 7; Serial No. 463,522; published Dec. 21, 1943.
Chocolate bars fortified with vitamins. Cook Chocolate Company. 406,029; Mar. 7; Serial No. 461,433; published Dec. 21, 1943.
Cologne. Manson Distributors. 406,077; Mar. 7; Serial No. 464,176; published Dec. 21, 1943.
Composition for dustproofing coal. Johnson-March Corporation. 406,055; Mar. 7; Serial No. 463,818; published Dec. 14, 1943.
Compounds used in the curing of rubber articles. Monsanto Chemical Company. 460,066; Mar. 7; Serial No. 464,061; published Dec. 14, 1943.
Condition-powders. W. G. Tilghman. 24,756; re-renewed May 22, 1944.
Corn remover. J. C. Dawes. 179,199; renewed Feb. 5, 1944.
Cosmetics for hair and hair lotion materials. H. M. Martin. 406,038; Mar. 7; Serial No. 463,078; published Dec. 14. 1943.
Deodorant, Liquid air freshening. Seeman Brothers, Inc. 406,087; Mar. 7; Serial No. 463,823; published Dec. 7, 1943.
Disinfectant, bleach, water softener, etc. Beacon Chemical Corporation. 405,999; Mar. 7; Serial No. 428,792; published July 2, 1940.
Fluxes, Melting and refining. Basic Magnesium Incorporated. 406,079; Mar. 7; Serial No. 464,212; published Dec. 21, 1943.
Insecticides. Geigy Company, Inc. 406,070–1; Mar. 7; Serial Nos. 464,132–3; published Dec. 21, 1943.
Iodine and bromine preparation, Liquid. H. J. Novack. 184,596; renewed May 27, 1944.
Lacquer, Hair. Middlebrooke Lancaster, Inc. 406,103; Mar. 7.
Laxative preparation. Gurian Laboratories, Inc. 406,072; Mar. 7; Serial No. 464,165; published Dec. 21, 1943.
Medicinal compound. John Wyeth and Brother Incorporated. 406,035; Mar. 7; Serial No. 462,762; published Dec. 21, 1943.
Mineral compound, Drying up and absorbent. Trojan Products & Mfg. Co. 406,041; Mar. 7; Serial No. 463,338; published Dec. 21, 1943.
Mineral food, Dietary supplemental. Anabolic Food Products, Inc. 406,043; Mar. 7; Serial No. 463,374; published Dec. 14, 1943.
Mineral mixture. Moorman Manufacturing Company. 181,238; renewed Mar. 18, 1944.
Ointment, Medicinal. L. W. Scibiorski. 406,056; Mar. 7; Serial No. 463,894; published Dec. 14, 1943.
Pastes and powders, and perfumery. Parfumerie Roger et Gallet, S. A. 194,199; renewed May 20, 1944.
Perfumes. A. Manson. 406,065; Mar. 7; Serial No. 464,027; published Dec. 21, 1943.
Perfumes in liquid and powder form, perfume bags, and perfume sachets. Hervey Manufacturing Co. 406,080; Mar. 7; Serial No. 464,226; published Dec. 21, 1943.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 406,000; Mar. 7; Serial No. 447,704; published Dec. 14. 1943.
Powder, Face. Miner's, Inc. 405,998; Mar. 7; Serial No. 427,038; published Oct. 5, 1943.
Powder, shampoo, and facial creams, etc., Face. P. C. Bragg. 406,054; Mar. 7; Serial No. 463,864; published Dec. 21, 1943.
Preparation for removing dandruff. Beutalure, Inc. 406,062; Mar. 7; Serial No. 463,987; published Dec. 21, 1943.
Preparation for stopping runs in knit goods. P. H. Wuelle. 406,042; Mar. 7; Serial No. 463,363; published Dec. 14, 1943.
Sedatives particularly herbaceous sedatives. H. Berger. 406,058; Mar. 7; Serial No. 463,925; published Dec. 21, 1943.
Shampoo and hair washes, Hair. R. Routh. 186,021; renewed July 1, 1944.
Shampoo, Hair. Middlebrooke Lancaster, Inc. 406,026; Mar. 7; Serial No. 461,322; published Dec. 21, 1943.
Soldering paste or flux. C. Weaver. 179,425; renewed Feb. 12, 1944.
Starch, Laundry. Hubinger Co. 406,046–7; Mar. 7; Serial Nos. 463,540–1; published Dec. 14, 1943.
Starch, Laundry. Hubinger Co. 406,048; Mar. 7; Serial No. 463,543; published Dec. 14, 1943.
Vitamin B complex composition. William R. Warner & Co. Inc. 406,107; Mar. 7.
Vitamin preparations. Distillation Products, Inc. 406,057; Mar. 7; Serial No. 463,899; published Dec. 14, 1943.
Water purification tablet, Chlorinated. Lambert Pharmacal Company. 406,059; Mar. 7; Serial No. 463,931; published Dec. 21, 1943.

CLASS 7

Cord and twine, Braided and twisted cotton. J. H. Graham & Co. 406,015–16; Mar. 7; Serial Nos. 458,512–13; published June 8, 1943.

CLASS 12

Asphalt siding, Insulated. Manufacturers Specialty Company. 406,092; Mar. 7.
Building paper, Waterproof. J. J. White Paper Company. 184,237; renewed May 20, 1944.
Fiber wall boards in sheet form to be used instead of plaster. Marsh Wall Products, Inc. 406,025; Mar. 7; Serial No. 460,998; published Dec. 28, 1943.
Leak proofing and rust proofing, Permanently elastic compound, etc. Tremco Manufacturing Company. 406,018; Mar. 7; Serial No. 459,502; published Dec. 28, 1943.
Linings for furnace structures, Refractory. Quigley Furnace Specialties Company. 183,462; renewed Apr. 29, 1944.
Shingles and sheet roofing, Felt base composition. Johns-Manville Corporation. 406,006; Mar. 7; Serial No. 454,036; published Dec. 28, 1943.
Siding, Insulated wood design. Globe Roofing Products Co. 406,094; Mar. 7.

CLASS 14

Wire, enameled wire, and wire, etc., Silver. North American Phillips Company. 406,060; Mar. 7; Serial No. 463,934; published Dec. 28, 1943.

CLASS 16

Oils for paints. Union Bag & Paper Corporation. 406,020; Mar. 7; Serial No. 460,039; published Dec. 28, 1943.
Paints and lacquers. J. Wexler. 406,039–40; Mar. 7; Serial Nos. 463,281–2; published Dec. 28, 1943.
Paints, Interior wall. R. F. Johnston Paint Company. 406,083; Mar. 7; Serial No. 464,416; published Dec. 28, 1943.

CLASS 17

Tobacco, Smoking. Continental Tobacco Company. 185,165; renewed June 10, 1944.

CLASS 19

Cars, Railroad passenger. Pullman Company. 406,007; Mar. 7; Serial No. 454,521; published Dec. 28, 1943.

CLASS 21

Batteries and flashlight cases, Dry. Burgess Battery Company. 406,111; Mar. 7.
Batteries, Storage. Willard Storage Battery Company. 185,516; renewed June 17, 1944.
Electric lamps, electron tubes, radio receivers, etc. Hygrade Sylvania Corporation. 406,002; Mar. 7; Serial No. 449,098; published June 29, 1943.
Electrical insulation material. Irvington Varnish & Insulator Co. 185,527; renewed June 17, 1944.
Lighting fixtures, wall lamps, and floor lamps, Fluorescent. A. L. Smith Iron Company. 406,084; Mar. 7; Serial No. 464,448; published Dec. 28, 1943.

CLASS 23

Babbitt-lined and other metallic bearings. American Bearing Corporation. 406,089; Mar. 7.
Ball, roller, and thrust bearings, and steel balls, etc. L. C. Smith Bearings Co. 186,149; renewed July 1, 1944.

Bottle vending attachments for refrigerated cabinets and parts of said attachments, Coin controlled. Vendo Company. 406,001; Mar. 7; Serial No. 448,120; published Dec. 28, 1943.
Clutches for detachably connecting driving mechanism to driving mechanism. Newaygo Engineering Company. 406,067; Mar. 7; Serial No. 464,063; published Dec. 28, 1943.
Collets, polishing lathes, and tool post turrets. H. E. Crozier. 406,049; Mar. 7; Serial No. 463,569; published Dec. 28, 1943.
Cranes and loaders, Portable power driven. Jaeger Machine Company. 406,076; Mar. 7; Serial No. 464,171; published Dec. 21, 1943.
Engines. Menasco Manufacturing Company. 406,019; Mar. 7; Serial No. 459,628; published Dec. 7, 1943.
Grater, Plastic. Klear-Vu Products Co. 406,009; Mar. 7; Serial No. 455,948; published Dec. 7, 1943.
Heat exchangers, Fin-tube. Griscom-Russell Company. 184,863; renewed June 3, 1944.
Jacks, fender straighteners, tool grinders, etc., Hydraulic. American Hydraulics, Inc. 406,031; Mar. 7; Serial No. 461,706; published Dec. 7, 1943.
Pumps, hydraulic control valves, etc., Hydraulic. Hydraulic Equipment Company. 406,044; Mar. 7; Serial No. 463,462; published Dec. 7, 1943.
Rolls, Platen. Standard Register Company. 406,064; Mar. 7; Serial No. 464,008; published Dec. 7, 1943.
Sanding machines. Pacific Abrasive Supply Company. 406,027; Mar. 7; Serial No. 461,350; published Dec. 21, 1943.
Tools, Hand. Murcott & Campbell, Inc. 406,033; Mar. 7; Serial No. 462,648; published Dec. 21, 1943.
Tumbling barrels, machines, and apparatus. Lupomatic Tumbling Machine Co. 406,028; Mar. 7; Serial No. 461,414; published Dec. 14, 1943.

CLASS 26

Instruments used within bore holes. Sperry-Sun Well Surveying Company. 406,012; Mar. 7; Serial No. 457,214; published Sept. 21, 1943.
Thermometers. Taylor Instrument Companies. 179,310; renewed Feb. 5, 1944.

CLASS 27

Watches. W. Kocher. 406,112; Mar. 7.
Watches, watch cases, and watch movements. Gruen Watch Company. 406,030; Mar. 7; Serial No. 461,462; published Aug. 24, 1943.
Watches, watch cases, watch movements, etc. H. J. Leffert. 406,109; Mar. 7.

CLASS 28

Bags of metal mesh, silk or leather, cigarette cases, etc. Napier Company. 185,675; renewed June 24, 1944.
Bags of metal mesh, silk, or leather, vanity cases, cigarette cases, etc. Napier Company. 185,776; renewed June 24, 1944.
Jewelry, Children's costume. Kaufman & Ruderman, Inc. 406,061; Mar. 7; Serial No. 463,973; published Dec. 28, 1943.

CLASS 30

Ceramic ware. Philco Corporation. 406,004; Mar. 7; Serial No. 450,904; published Dec. 28, 1943.

CLASS 32

Mirrors, Hand. Arco Metalcraft Inc. 406,086; Mar. 7; Serial No. 464,773; published Dec. 28, 1943.

CLASS 34

Heating and air conditioning units, heating boilers, etc., Gas and oil fired. Gar Wood Industries, Inc. 406,032; Mar. 7; Serial No. 461,992; published Dec. 28, 1943.
Stoves and outdoor boilers. Litchfield Manufacturing Company. 406,097; Mar. 7.

CLASS 35

Pipe, Non-metallic hose. Wilkinson Rubber Linatex Limited. 406,014; Mar. 7; Serial No. 458,310; published Dec. 28, 1943.
Tires, Vehicle. Fisk Rubber Company. 180,727; renewed Mar. 4, 1944.

CLASS 37

Blotters. P. R. Siosar. 406,003; Mar. 7; Serial No. 450,867; published Dec. 28, 1943.
Crayons of all kinds. L. & C. Hardtmuth, Inc. 406,073; Mar. 7; Serial No. 464,166; published Dec. 28, 1943.
Films, foil, or sheets for use as wrapping and packaging material. Dow Chemical Company. 406,036; Mar. 7; Serial No. 462,966; published Dec. 28, 1943.
Pencils, Lead. L. & C. Hardtmuth, Inc. 406,074–5; Mar. 7; Serial Nos. 464,167–8; published Dec. 28, 1943.
Pencils of all kinds. L. & C. Hardtmuth, Inc. 406,063; Mar. 7; Serial No. 463,998; published Dec. 28, 1943.

CLASS 38

Articles published monthly. Radcraft Publications, Inc. 406,093; Mar. 7.
Books, religious books, etc., Prayer. Maurice J. Karpeles, Inc. 406,104; Mar. 7.
Cartoons. King Features Syndicate, Inc. 179,617; renewed Feb. 12, 1944.
Leaflets or booklets, Song and story. Tullar-Meredith Co. 186,108; renewed July 1, 1944.
Magazines published periodically. McGraw-Hill Publishing Company. 406,101; Mar. 7.
Publications. Commodity Research Bureau, Inc. 406,096; Mar. 7.

CLASS 39

Boots, shoes, and slippers, Men's, women's, and children's. C. B. Slater Company. 185,880; renewed June 24, 1944.
Garments. Excello Shirt Co. Inc. 170,125; renewed July 10, 1943.
Hats and caps, Men's felt, straw, cloth and silk. Hanover-Hall Company. 170,381; renewed July 17, 1943.
Hosiery. Chipman Knitting Mills. 185,477; renewed June 17, 1944.
Hosiery. Hanes Hosiery Incorporated. 406,102; Mar. 7.
Linen goods in the piece, handkerchiefs, etc. Ireland Bros. Inc. 178,688; renewed Jan. 15, 1944.
Shirts, Men's and boys' dress and negligee. Excello Shirt Co. Inc. 170,068; renewed July 10. 1943.
Shirts, negligee shirts, work shirts, etc., Dress. Phillips-Jones Corporation. 182,701; renewed Apr. 15, 1944.
Shirts, nightshirts, pyjamas, etc. Phillips-Jones Corporation. 186,353; renewed July 8, 1944.
Sweaters. I. Berger. 179,608; renewed Feb. 12, 1944.
Textile articles—namely, hosiery. Paramount Knitting Company. 179,340; renewed Feb. 5, 1944.
Undergarments, Ladies', misses', and children's muslin, silk and flannelette. Mitchell Bros. Inc. 182,759; renewed Apr. 15, 1944.
Waists, dress shirts, negligee shirts, etc. Phillips-Jones Corporation. 185,760; renewed June 24, 1944.

CLASS 40

Appliqué motifs for trimming garments. H. Zaikaner. 406,099; Mar. 7.
Combs, Hard-rubber. American Hard Rubber Company. 186,379; renewed July 8, 1944.
Combs, Hard-rubber. American Hard Rubber Company. 186,385; renewed July 8, 1944.
Eyelash crimpers. Stickel Company. 178,497; renewed Jan. 15, 1944.

CLASS 42

Linen goods in the piece, handkerchiefs and household or domestic goods, etc. Ireland Bros., Inc. 172,940; renewed Sept. 11, 1943.
Linen goods in the piece, handkerchiefs, etc. Ireland Bros. Inc. 178,688; renewed Jan. 15, 1944.
Piece goods. Phillips-Jones Corporation. 183,600; renewed May 6, 1944.
Piece goods. Phillips-Jones Corporation. 185,246; renewed June 10, 1944.
Piece goods, Cotton. Phillips-Jones Corporation. 184,762; renewed June 3, 1944.

CLASS 43

Cotton, Spool. W. Warren Thread Wks. 183,207; renewed Apr. 22, 1944.

CLASS 44

Suspensories. United Cigar-Whelan Stores Corporation. 406,013; Mar. 7; Serial No. 458,166; published May 11, 1943.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. J. A. Mitchell. 179,606; renewed Feb. 12, 1944.
Ginger ale, orange, lemon, etc., all being nonalcoholic, noncereal, maltless beverages. Southwestern Coca-Cola Bottling Co. 183,211; renewed Apr. 22, 1944.

CLASS 46

Baking powder. F. C. Vanderboget. 180,717; renewed Mar. 4, 1944.
Bread. H. Piper Co. 185,171; renewed June 10, 1944.
Candies. J. N. Collins Company. 183,014; renewed Apr. 22, 1944.
Candies. Ridley's, The Old Chambers Street Candy Manufactory. 180,880; renewed Mar. 11, 1944.
Candy. Stephen F. Whitman & Son, Inc. 180,302; renewed Feb. 26, 1944.
Canned and packaged chile con carne. E. S. Stokes. 406,095; Mar. 7.
Canned fruits. Hawaiian Pineapple Company, Ltd. 406,088; Mar. 7.
Cheese, Imported French Gruyère. Gerber & Co. 185,743; renewed June 24, 1944.
Coffee. Schreiber Products Corporation. 185,217; renewed June 10, 1944.
Coffee and coffee substantially freed of caffein. Coffee Products Corporation. 183,168; renewed Apr. 22, 1944.
Coffee and tea. Martin L. Hall Company. 185,745; renewed June 24, 1944.
Coffee and tea. H. Ronberg. 406,021; Mar. 7; Serial No. 460,162; published Dec. 28, 1943.

Coffee, olive oil and sugar. Akron Grocery Co. 181,039; renewed Mar. 11, 1944.
Flour, Wheat. Colorado Milling & Elevator Company. 182,151; renewed Apr. 1, 1944.
Flour, Wheat. Kansas Milling Company. 185,397; renewed June 17, 1944.
Flour, Wheat. Minneapolis Milling Company. 186,434; renewed July 8, 1944.
Flour, Wheat. Minneapolis Milling Co. 184,476–7; renewed May 27, 1944.
Flour, Wheat. Minneapolis Milling Co. 184,668; renewed May 27, 1944.
Fruits, and fresh vegetables, Fresh. Hunt, Hatch & Co. 186,300; renewed July 8, 1944.
Fruits, Fresh citrus. W. L. Benchley. 185,327; renewed June 10, 1944.
Fruits, Fresh citrous. Crosby-Wartmann Packing Co. 183,984; renewed May 13, 1944.
Fruits, Fresh citrous. Mutual Orange Distributors. 186,403; renewed July 8, 1944.
Fruits, Fresh tropical. Minute Tapioca Company. 184,694; renewed May 27, 1944.
Milk and cream, cheese, cottage cheese, etc., Fresh. Lyndonville Creamery Association. 186,037; renewed July 1, 1944.
Vegetables, Fresh. H. B. Murphy. 406,050; Mar. 7; Serial No. 463,701; published Nov. 30, 1943.

CLASS 47

Wines. Colcombet, Inc. 406,091; Mar. 7.

CLASS 49

Rum. Records & Goldsborough, Incorporated. 406,100; Mar. 7.
Whiskey. United Distillers Products Corp. 406,105; Mar. 7.

CLASS 50

Aircraft service and repair platforms of a collapsible nature. Wolfe & Mann Manufacturing Company. 406,022; Mar. 7; Serial No. 460,488; published Dec. 28, 1943.
Bottle novelties displaying a coin therein used as talismans, Glass. B. Lubow. 406,008; Mar. 7; Serial No. 454,660; published Feb. 9, 1943.
Merchandise display forms. L. A. Darling Company. 406,037; Mar. 7; Serial No. 463,015; published Dec. 28, 1943.
Sheet or strip material with a luminescent coating. E. P. Lynch, Inc. 406,034; Mar. 7; Serial No. 462,686; published Dec. 28, 1943.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Binney & Smith Co. (See Wiegand, W. B., and Venuto, assignors.)
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control mechanism. Re. 22,451; Mar. 7.
Clements, Frank O., Westerville, Ohio, and R. H. Terry and D. J. Henry, assignors to General Motors Corporation, Detroit, Mich. Making powdered iron. Re. 22,452; Mar. 7.
General Motors Corporation. (See Clements, F. O., Terry, and Henry, assignors.)
Henry, Donald J. (See Clements, F. O., Terry, and Henry.)
Kury, Philip J. (See Brewer, Charles A., assignor.)
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. Re. 22,453; Mar. 7.
Teletype Corporation. (See Reiber, Albert H., assignor.)
Terry, Robert H. (See Clements, F. O., Terry, and Henry.)
Venuto, Louis J. (See Wiegand, W. B., and Venuto.)
Wiegand, William B., Old Greenwich, Conn., and L. J. Venuto, assignors to Binney & Smith Co., New York, N. Y. Carbon black and making same. Re. 22,454; Mar. 7.

LIST OF DESIGN PATENTEES

Baker, Edwin G., Brighton, England. Sine bar. 137,417; Mar. 7.
Barnique, Charles, Los Angeles, Calif. Ring or similar article of jewelry. 137,403; Mar. 7.
Booharin, Leo Y., San Francisco, Calif. Dial for a timepiece. 137,404; Mar. 7.
Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Wallpaper border or similar article. 137,405; Mar. 7.
Carney, Mildred. (See Scott, C. L., Shelby, Carney, and Meloche.)
Chesebro, Dora E., Nevada City, Calif. Brooch or similar article. 137,406; Mar. 7.
Ford, Shelley W., Dayton, Ohio. Combination razor and blade sharpener. 137,407; Mar. 7.
Frisk, Ernest T., Hibbing, Minn. Compound tool. 137,408; Mar. 7.
Geldhof, Peter E., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Washing machine casing or similar article. 137,418; Mar. 7.
Granat, Joseph, San Francisco, Calif. Finger ring. 137,409; Mar. 7.
Gruber, Abe, New York, N. Y. Suit. 137,430; Mar. 7.
Kunen, Ruth, Jamaica, N. Y. Set of chessmen. 137,419; Mar. 7.
Meloche, Gladys. (See Scott, C. L., Shelby, Carney, and Meloche.)
Myers, Charles L., Vineland, N. J. Game device. 137,420; Mar. 7.
Nachman, Jack. (See Nachman, Joseph and J.)
Nachman, Joseph and J., Philadelphia, Pa. Apron. 137,425; Mar. 7.
Nachman, Joseph and J., Philadelphia, Pa. Apron. 137,426; Mar. 7.
Nachman, Joseph and J., Philadelphia, Pa. Apron. 137,427; Mar. 7.
Nachman, Joseph and J., Philadelphia, Pa. Apron. 137,428; Mar. 7.
Naugle, Olaf C., Marion, Ind. Hunting knife. 137,410; Mar. 7.
Nineteen Hundred Corporation. (See Geldhof, Peter E., assignor.)
Peyrot, George, New York, N. Y. Picture carrying pin or similar article. 137,411; Mar. 7.
Pichel, Irving, New York, N. Y. Handbag. 137,431; Mar. 7.
Pollack, George J., New York, N. Y. Dress. 137,432; Mar. 7.
Rasmussen, Jay, Madison, S. Dak. Grave marker. 137,421; Mar. 7.
Scott, Clarice L., Silver Spring, Md., H. Shelby, Washington, D. C., M. Carney, Ithaca, N. Y., and G. Meloche, Madison, Wis., assignors to the United States of America, as represented by Chester C. Davis, Administrator of the War Food Administration, and his successors in office. Cap. 137,429; Mar. 7.
Shelby, Helen. (See Scott, C. L., Shelby, Carney, and Meloche.)
Simmons, Edward N., Chicago, Ill. Fabric patch mending machine. 137,402; Mar. 7.
Storz, Charles R., St. Louis, Mo. Scissors. 137,412; Mar. 7.
Tatro, Earl E., Yonkers, N. Y. V-block work holder. 137,413; Mar. 7.
Tomsick, Walter, Los Angeles, Calif. Marine cable tool. 137,414; Mar. 7.
Trimz Company. (See Burton, William, assignor.)
Vogel, Sue, New York, N. Y. Apron. 137,433; Mar. 7.
Wandt, Carl, New York, N. Y. Lapel ornament or similar article. 137,422; Mar. 7.
Wegertseder, Joseph C., Little Falls, Minn. Toy. 137,423; Mar. 7.
War Food Administration, United States of America, as represented by Chester C. Davis, Administrator of the, and his successors in office. (See Scott, C. L., Shelby, Carney, and Meloche.)
White, Kessler W., Richmond, Va. Game board. 137,424; Mar. 7.
Wiener, Jack, New York, N. Y. Embroidered trimming or the like. 137,415; Mar. 7.
Wiener, Jack, New York, N. Y. Embroidered trimming or the like. 137,416; Mar. 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaron, Solomon E., Charlestown, Mass. Bilge pump. 2,343,269; Mar. 7.

Abramson, Harold A., and M. H. Gorin, New York, N. Y., assignors of forty per cent to said Abramson, fifteen per cent to said Gorin, and forty-five per cent to Galen Company. Insulin preparation and making same. 2,343,625; Mar. 7.

Adamson, William D. (See Milburn, P. W., and Adamson.)

Adas, Thomas L., assignor to Chicago Railway Equipment Company, Chicago, Ill. Tool center. 2,343,626; Mar. 7.

Aeration Processes, Inc. (See Getz, Charles, assignor.)

Agnew, Charles E., Norristown, Pa. Preparation of return material. 2,343,270; Mar. 7.

Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Pellett, James J., assignor.)

Ajax Manufacturing Company, The. (See Criley, William W., assignor.)

Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Lens. 2,343,627; Mar. 7.

Alco-Gravure Division of Publication Corporation. (See MacKay, Robert, assignor.)

Alexander, Emmett L., and A. W. Braithwaite, assignors to The George E. Failing Supply Company, Enid, Okla. Drilling rig. 2,343,517; Mar. 7.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Control circuit for electric valve apparatus. 2,343,628; Mar. 7.

Alien Property Custodian. (See Bechmann, R., Kundt, and Bremer.)

Alien Property Custodian. (See Free, G., and v. Füner.)

Alien Property Custodian. (See Hönel, H., and Zinke.)

Alien Property Custodian. (See Klein, H., Hemmann, Keinke, Hofmann, and Boehmer.)

Alien Property Custodian. (See Pascher, Leopold F.)

Alien Property Custodian. (See Pier, M., and Free.)

Alien Property Custodian, The. (See Schlack, Paul.)

Alien Property Custodian. (See von Baeyer, H. J. R., Roosenstein, and Tischer.)

Allen, Howard G., Niagara Falls, and K. C. Saunders, Kenmore, assignors to Bagpak, Inc., New York, N. Y. Bag filling machine. 2,343,439; Mar 7.

Allied Chemical & Dye Corporation. (See Crowell, Joyce H., assignor.)

Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Lens. 2,343,629; Mar. 7.

Alwin Manufacturing Company. (See Slye, N. J., and Krueger, assignors.)

American Broach & Machine Co. (See Podesta, John W., assignor.)

American Cyanamid Company. (See Osborne, John L., assignor.)

American Lumber & Treating Co. (See Gottschalk, F. W., and Angell, assignors.)

American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)

American Rolling Mill Company, The. (See Hudson, E. B., and Schlup, assignors.)

American Smelting and Refining Company. (See Fleming, E. P., and McIntosh, assignors.)

American Steel Foundries. (See Tack, Carl E., assignor.)

American Sundries Company. (See Hettinger, George, assignor.)

American Tag Company. (See Van Tuyl, Sidney E., assignor.)

American Viscose Corporation. (See Wedler, Frederick C., assignor.)

American Voith Contact Company. (See Kieser, Hugo, assignor.)

Anderson, Emil, Briarcliff Manor, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Machine for manufacturing and applying bottle caps. 2,343,358; Mar. 7.

Anderson, Irvin M., Kemptville, Ontario, Canada. Article feeding device. 2,343,515; Mar. 7.

Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Domestic water heater. 2,343,440; Mar. 7.

Angell, Herbert W. (See Gottschalk, F. W., and Angell.)

Anheuser, Alfred, West Allis, assignor to E. A. Anheuser, Milwaukee, Wis. Method and apparatus for cutting files. 2,343,271; Mar. 7.

Anheuser, Ernest A. (See Anheuser, Alfred, assignor.)

Anthony Company. (See Wachter, Lester W., assignor.)

Apfelbaum, Huna L., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Dropper and pourer cap. 2,343,610; Mar. 7.

Armstrong Cork Company. (See Austin, Harry M., assignor.)

Armstrong Cork Company. (See Powers, Paul O., assignor.)

Armstrong, Lily, Southsea, England. Emergency and signaling outfit. 2,343,272; Mar. 7.

Arnold, Robert B., Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Spray material and making the same. 2,343,359; Mar. 7.

Arnold, Robert B., Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticidal dust for contact use and making the same. 2,343,360; Mar. 7.

Aro Equipment Corporation, The. (See Satterlee, Howard A., assignor.)

Atkins, George E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,343,516; Mar. 7.

Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray apparatus. 2,343,729; Mar. 7.

Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube. 2,343,730; Mar. 7.

Atwood, Horace, Jr., assignor to A. B. Du Mont Laboratories, Inc., Passaic, N. J. Shield for cathode ray tubes. 2,343,630; Mar. 7.

Austin, Harry M., East Petersburg, assignor to Armstrong Cork Company, Lancaster, Pa. Flexible coupling. 2,343,839; Mar. 7.

Auto Research Corporation. (See Kocher, Edward H., assignor.)

Automatic Electric Laboratories, Inc. (See Grandstaff, O. D., Gilman, and Herrick, assignors.)

Automatic Electric Laboratories, Inc. (See Smith, Howard H., assignor.)

Automotive Products Company Limited. (See Parnell, Frank G., assignor.)

Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,343,273; Mar. 7.

Aviation Corporation, The. (See Lampton, G. T., and Moyer, assignors.)

Babcock, Lloyd L., Compton, and J. O. Bishop, Torrance, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Bending brake. 2,343,441; Mar. 7.

Backus, Thomas, assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Combined transmission and auxiliary. 2,343,733; Mar. 7.

Bade, Alfred G., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,343,840; Mar. 7.

Bagpak, Inc. (See Allen, H. G., and Saunders, assignors.)

Bailey, Edgar L. (See Gilfillan, H. W., and Bailey.)

Bailey Meter Company. (See Luhrs, John F., assignor.)

Bailey, Otis M., Bristol, R. I. Shoulderless gown. 2,343,631; Mar. 7.

Bailey, Thomas S., Jr., A. C. Daman, and L. H. Logue, assignors to Mining Process and Patent Company, Denver, Colo. Flotation machine. 2,343,274; Mar. 7.

Bailey, William J. A. (See Leathers, W., and Bailey.)

Bailie, James C., and M. J. See, assignors to Standard Oil Company, Chicago, Ill. Petroleum oil conversion with catalysts. 2,343,295; Mar. 7.

Bailie, James C., and M. J. See, assignors to Standard Oil Company, Chicago, Ill. Petroleum oil conversion with catalysts. 2,343,731; Mar. 7.

Baird, Douglas O., Evanston, assignor to R. D. Mason, Wilmette, Ill. Vacuum cleaning apparatus. 2,343,732; Mar. 7.

Baker, Paul, Redondo Beach, Calif., assignor of one-fifth to J. D. Rippey, St. Louis, Mo. Electric lighting device. 2,343,518; Mar. 7.

Bakewell, Harding F., San Marino, Calif. Tap construction. 2,343,632; Mar. 7.

Balch, Clifford A., Los Angeles, Calif. Emergency exit door lock. 2,343,519; Mar. 7.

Baldeschwieler, Emile L. (See Sparks, W. J., Baldeschwieler, and Sommer.)

Baldwin, Charles F., Schenectady, N. Y., assignor to General Electric Company. Frequency measuring device. 2,343,633; Mar. 7.

Baldwin, Millard W., Jr., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Noise reduction signaling system. 2,343,634; Mar. 7.

Barber Asphalt Corporation. (See Weimann, Alfred F., assignor.)

Barber, Frank G., Luzerne, Pa. Condiment holder. 2,343,734; Mar. 7.

Bard, Francis N., Highland Park, V. W. Breitenstein, C. J. Olds, and L. A. Wray, Chicago, Ill.; said Breitenstein, said Olds, and said Wray assignors to said Bard. Swivel joint. 2,343,491; Mar. 7.

Barker, W. Ira. (See Smith, Harvey J., assignor.)

Barnes Drill Co. (See Caldwell, H. J., and Seborg, assignors.)

Barnes Drill Co. (See Fairbairn, W. M., and Burdick, assignors.)

Barron, Joseph M., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Cracking and coking hydrocarbon oils. 2,343,848; Mar. 7.

Barss, Joseph E. (See Brummer, Olin, assignor.)

Bartolett, William H., Haddon Heights, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reduction gear lubrication apparatus. 2,343,492; Mar. 7.

Baskin, Charles M., Toronto, Ontario, Canada, assignor to Standard Oil Development Company. Bituminous waterproofing material. 2,343,735; Mar. 7.

Baver, Leonard D., and B. T. Shaw, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Measuring moisture. 2,343,520; Mar. 7.

Beard, Louis A., Silsbee, Tex. Nonskid two-piece metal jacket. 2,343,251; Mar. 7.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door mechanism. 2,343,361; Mar. 7.

Bechmann, Rudolf, H. E. Kundt, and H. Bremer, Berlin, Germany; vested in the Alien Property Custodian. Piezoelectric crystal mounting. 2,343,738; Mar. 7.

Beckett, Nora, Orange, Calif. Cabinet for hairdressers' chairs. 2,343,493; Mar. 7.

Beckham, Leland J., Geddes, assignor to The Solvay Process Company, New York, N. Y. Sulphitation of organic compounds. 2,343,362; Mar. 7.

Beckwith, George M., and M. D. Pickens, Meadville, Pa., assignors to Talon, Inc. Adjustable fastening device. 2,343,826; Mar. 7.

Beckwith, George M., New York, N. Y., and M. D. Pickens, Washington, D. C., assignors to Talon, Inc. Making adjustable fastening devices. 2,343,827; Mar. 7.

Beebe, Murray C., Jr. (See Martin, E., and Beebe.)

Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Concentrating weak nitric acid. 2,343,635; Mar. 7.

Beerbower, Alan, and A. E. Calkins, Westfield, N. J., assignors to Standard Oil Development Company. Lubricant, etc. 2,343,736; Mar. 7.

Beerbower, Alan, Kenilworth, N. J., and R. E. Darley, Glen Burnie, Md., assignors to Standard Oil Development Company. Lubricant. 2,343,737; Mar. 7.

Beitler, Samuel R. (See Overbeck, J. E., and Beitler.)

Bell & Gossett Company. (See Tidd, Edwin B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Atkins, George E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Baldwin, Millard W., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Davey, James R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Edson, William A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Morrison, Laurence W., Jr., assignor.)

Bendix Aviation Corporation. (See Jandasek, Joseph, assignor.)

Bendix Aviation Corporation. (See Price, Earl R., assignor.)

Benning, Anthony F., Woodstown, N. J., assignor to Kinetic Chemicals, Inc., Wilmington, Del. Fluoro-halogeno compounds. 2,343,252; Mar. 7.

Benning, Wilbert O., Los Angeles, Calif., assignor to Pacific Clay Products Company. Feeder. 2,343,521; Mar. 7.

Bentley, Cecil N., Toledo, Ohio, assignor to De Luxe Products Corporation. Oil filter. 2,343,636; Mar. 7.

Bergen, Daniel E., Phillips, Tex., assignor to Phillips Petroleum Company. Lubricant. 2,343,393; Mar. 7.

Bergman, Sidney D., Brooklyn, N. Y., assignor to Burndy Engineering Company, Inc. Pin connection. 2,343,522; Mar. 7.

Berk, F. W., and Company Limited. (See Syers, Roland, assignor.)

Berlin, Donovan R. (See Flader, F. E., and Berlin.)

Bernstein, Herbert H., Brooklyn, N. Y., assignor of one-half to Kalmus-Golden, Inc. Weight action for chair backs. 2,343,739; Mar. 7.

Bertalan, Edward, Glen Arm, and D. M. Taggart, Ruxton, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone substation apparatus. 2,343,442; Mar. 7.

Best, Cyril. (See Molins, D. W., and Best.)

Bingham, David W., Middle Brighton, Victoria, Australia. Food or like pump. 2,343,523; Mar. 7.

Binneweg, Abraham, Jr., Oakland, Calif. Radio tube with flattened elements. 2,343,849; Mar. 7.

Birmingham, Donald G., Aberdeen, assignor to Harbor Plywood Corporation, Hoquiam, Wash. Fibrous sheet covered plywood. 2,343,740; Mar. 7.

Bishop, James O. (See Babcock, L. L., and Bishop.)

Black, John E. and R. S., Mendota, Ill. Glue spreader, surface coater, and the like. 2,343,363; Mar. 7.

Black, Robert S. (See Black, John E. and R. S.)

Blackburn, George, and Sons Limited. (See Start, Harry W. and E., assignors.)

Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing morpholine sulphides. 2,343,524; Mar. 7.

Blechta, Edward F., Berwyn, Ill. Placard. 2,343,741; Mar. 7.

Blodgett, Clarence M., New York, N. Y. Clamping socket attachment. 2,343,525; Mar. 7.

Blomberg, Otto J., and H. A. Eklind, Chicago, Ill. Brake signal. 2,343,394; Mar. 7.

Bochenek, Joseph, Milwaukee, Wis. Grinding fixture. 2,343,637; Mar. 7.

Bochenek, Walter H., Chicago, Ill. Feeder for automatic screw machines. 2,343,364; Mar. 7.

Bocji Corporation. (See Phillips, Emery E., assignor.)

Bock, George E., Chicago, assignor to Whiting Corporation, Harvey, Ill. Hoisting apparatus. 2,343,638; Mar. 7.

Boehmer, Wilhelm. (See Klein, H., Hemmann, Keinke, Hofmann, and Boehmer.)

Bombardier, Joseph A., Valcourt, Quebec, Canada. Ski suspension. 2,343,526; Mar. 7.

Bonsall, Charles D., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Air circulating means for refrigerator cars. 2,343,395; Mar. 7.

Borg, George W., Corporation. (See Gibbs, Thomas B., assignor.)

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Washing treatment. 2,343,639; Mar. 7.

Borsoff, Victor N. (See Neely, G. L., Farrington, and Borsoff.)

Boucher, Charles P., Montreal, Quebec, Canada, assignor to Boucher Inventions Ltd., Washington, D. C. Electrical transformer apparatus. 2,343,365; Mar. 7.

Boucher Inventions Ltd. (See Boucher, Charles P., assignor.)

Bourland, James F. (See Hass, H. B., and Bourland.)

Boyle, Eugene G., San Francisco, Calif. Scissors. 2,343,527; Mar. 7.

Braithwaite, Albert W. (See Alexander, E. L., and Braithwaite.)

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing apparatus. 2,343,742; Mar. 7.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cleaning apparatus. 2,343,743; Mar. 7.

Breitenstein, Victor W. (See Bard, F. N., Breitenstein, Olds, and Wray.)

Bremer, Heinrich. (See Bechmann, R., Kundt, and Bremer.)

Bridgeport Brass Company. (See Clark, Walter R., assignor.)

Briggs, Howland F., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Weighing apparatus. 2,343,528; Mar. 7.

Brooke, Frank W., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa. Electric arc furnace. 2,343,443; Mar. 7.

Brown and Sharpe Manufacturing Company. (See Nelson, Alden W., assignor.)

Brown, Arthur J., Chicago, assignor to Whiting Corporation, Harvey, Ill. Hoist. 2,343,640; Mar. 7.

Brown, Frederick E., Hyde, England. Machine for extruding rubber and the like. 2,343,529; Mar. 7.

Brown Instrument Company, The. (See Whitten, James L., assignor.)

Bruegger, Zeno A., Boise, Idaho. Piston. 2,343,530; Mar. 7.

Brummer, Olin, Oak Park, assignor of one-half to J. E. Barss, Riverside, Ill. Tire lock. 2,343,366; Mar. 7.

Brundage, James W., assignor, by mesne assignments, to The McNeil Machine and Engineering Company, Akron, Ohio. Vulcanizer. 2,343,641; Mar. 7.

Brunner, August H., Jr. (See Reckmeyer, V. H., and Brunner.)

Brush Development Company, The. (See Kornei, Otto, assignor.)

Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)

Bryant, James R., Oshawa, Ontario, Canada. Combined ground working and soil pulverizing machine. 2,343,396; Mar. 7.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Photographic recorder for accounting machines. 2,343,397; Mar. 7.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Record controlled interpreting machine. 2,343,398; Mar. 7.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Multiplying mechanism for checking dividing computations. 2,343,399; Mar. 7.

Buchholz, Herbert, Berlin, Germany, assignor to General Electric Company. Directive radiator. 2,343,531; Mar. 7.

Buckeye Traction Ditcher Company, The. (See Magee, Robert B., assignor.)
Buckley, Milford A., assignor to Carley Heater Company, Inc., Olean, N. Y. Scrubbing or cleaning machine. 2,343,532; Mar. 7.
Budd Wheel Company. (See Somes, Howard E., assignor.)
Bulldog Electric Products Company. (See Fisher, Lawrence E., assignor.)
Bulldog Electric Products Company. (See Frank, W. H., and Platz, assignors.)
Bulldog Electric Products Company. (See Platz, Elwood T., assignor.)
Bullock, Giles E., Rochester, N. Y. Knapsack fire extinguished and sprayer. 2,343,400; Mar. 7.
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Back assembly for composite metal and wood chairs. 2,343,494; Mar. 7.
Burdick, Sherman M. (See Fairbairn, W. M., and Burdick.)
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Separation and purification of aromatic compounds. 2,343,744; Mar. 7.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Removal of aromatics, sulphur, or unsaturates from hydrocarbons. 2,343,841; Mar. 7.
Burkley, Clement J., assignor to Wingfoot Corporation, Akron, Ohio. Safety tube. 2,343,828; Mar. 7.
Burndy Engineering Company. (See Bergman, Sidney D., assignor.)
Burnham, Clarence W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Slideway lubrication. 2,343,533; Mar. 7.
Burnham, Virgil A. (See Jones, R. M., and Burnham.)
Burton, Robert A., High Point, N. C., assignor to Burton Upholstery Company. Sofa bed. 2,343,642; Mar. 7.
Burton Upholstery Company. (See Burton, Robert A., assignor.)
Byron Jackson Co. (See Lobanoff, Valenteen S., assignor.)
Caldwell, Harry J., and E. Y. Seborg, assignors to Barnes Drill Co., Rockford, Ill. Honing machine. 2,343,275; Mar. 7.
Calkins, Austin E. (See Beerbower, A., and Calkins.)
Campbell, Rodney B., North Hollywood, assignor to J. Eley, Jr., Los Angeles, Calif. Sequence valve. 2,343,495; Mar. 7.
Canal National Bank of Portland, The, trustee. (See Sawyer, Edward E., assignor.)
Cape, Arthur T., Santa Cruz, Calif., and C. V. Foerster, assignors to Coast Metals, Inc., Canton, Ohio. Ferrous alloy. 2,343,643; Mar. 7.
Carley Heater Company. (See Buckley, Milford A., assignor.)
Carlson, Arthur W., Worcester, Mass. Device for inflating balloons and the like. 2,343,276; Mar. 7.
Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation apparatus. 2,343,401; Mar. 7.
Carroll, Ellsworth W., San Carlos, assignor to S & W Fine Foods, Inc., San Francisco, Calif. Single stage fruit orienting and pitting machine. 2,343,496; Mar. 7.
Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Direct current amplifier stage. 2,343,745; Mar. 7.
Cavanaugh, Robert M., and W. M. Nagle, Woodbury, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of adipic acid. 2,343,534; Mar. 7.
Cawley, John D., assignor to Distillation Products, Inc., Rochester, N. Y. Procedure for the preparation of substances containing conjugated double bonds. 2,343,644; Mar. 7.
Celanese Corporation of America. (See Glass, Louis, assignor.)
Celluplastic Corporation. (See Lermer, Irving S., assignor.)
Chalmers, Andrew B., Bloomfield, N. J. System of identification. 2,343,746; Mar. 7.
Champion, Edwin V. (See Sebo, Joseph, assignor.)
Chernack, Abel E., New York, N. Y. Machine for making tubular structures. 2,343,747; Mar. 7.
Cherry, Carl W., Carmel, Calif. Riveting device. 2,343,278; Mar. 7.
Chicago Railway Equipment Company. (See Adas, Thomas L., assignor.)
Chicago Railway Equipment Company. (See Kadar, Louis, assignor.)
Christianson, Oscar, as trustee. (See Conradson, Conrad M., assignor.)
Chrysler Corporation. (See Gilfillan, H. W., and Bailey, assignors.)
Chrysler Corporation. (See Iavelli, Teno, assignor.)
Chrysler Corporation. (See La Brie, Ludger E., assignor.)
Chrysler Corporation. (See Maurer, Edwin R., assignor.)
Church, Joseph H., Austin, Minn. Range finder. 2,343,279; Mar. 7.
Clark, Louis, assignor to Protecto Products Co., Inc., Pomona, Calif. Combined package and holder. 2,343,277; Mar. 7.
Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Preparing blanks for producing containers such as metallic cartridge cases or the like. 2,343,253; Mar. 7.
Clarkson, Robert J., Hogansville, Ga., assignor to United States Rubber Company, New York, N. Y. Mechanism for twisting together a plurality of strands. 2,343,535; Mar. 7.
Claussen, William H. (See Cope, J. Q., and Claussen.)
Clayton, Benjamin, Houston, Tex., assignor, by mesne assignments, to Refining, Unincorporated. Making soap and product thereof. 2,343,829; Mar. 7.
Cleveland Pneumatic Tool Company, The. (See Hoffar, Henry S., assignor.)
Cleveland Pneumatic Tool Company, The. (See Van Sittert, Paul, assignor.)
Cleveland Pneumatic Tool Company, The. (See Van Sittert, P., and Lev, assignors.)
Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Joining radiator tubes and product thereof. 2,343,402; Mar. 7.
Coast Metals, Inc. (See Cape, A. T., and Foerster, assignors.)
Coburn, Merton A., Balboa, C. Z. Engine. 2,343,748; Mar. 7.
Combustion Engineering Company. (See Oberhuber, William F., assignor.)
Commercial Solvents Corporation. (See Dale, Julian K., assignor.)
Conde, Lyall T., Sherrill, N. Y. Milk pail handle. 2,343,749; Mar. 7.
Connolly, William B. (See Ford, G. E., Hastings, and Connolly.)
Conradson, Conrad M., deceased, Detroit, Mich.; F. R. Walter, administrator, assignor, by mesne assignments, to O. Christianson, Madison, Wis., as trustee. Power belt construction. 2,343,367; Mar. 7.
Conran, William F., Brooklyn, N. Y. Ash receiver. 2,343,750; Mar. 7.
Consolidated Mining and Smelting Company of Canada, Limited, The. (See Hannay, W. H., and Walsh, assignors.)
Consolidated Packaging Machinery Corporation. (See Briggs, Howland F., assignor.)
Consolidated Packaging Machinery Corporation. (See Nicolas, Marcel A., assignor.)
Continental Can Company. (See Scusa, Lino, assignor.)
Coon, Guy, Hartford, Iowa. Loader for baled material. 2,343,444; Mar. 7.
Cooper Aircraft Mooring Co. (See Warren, Walter F., assignor.)
Cope, John Q., and W. H. Claussen, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Selective solvent extraction of petroleum. 2,343,611; Mar. 7.
Copperweld Steel Company. (See Holmquist, Carl W., assignor.)
Cory, William, Chicago, Ill. Rotary index file. 2,343,280; Mar. 7.
Cosgrove, Rex P., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Urea-formaldehyde composition. 2,343,497; Mar. 7.
Craft Manufacturing Co. (See Swann, Charles E., assignor.)
Craig, Ernest and R., Falconbridge, Ontario, Canada. Removing detachable drill bits from drill rods. 2,343,445; Mar. 7.
Craig, Robert. (See Craig, Ernest and R.)
Crane, Carl J., Phoenix, Ariz. Stall, skid, and slip warning device for aircraft. 2,343,281; Mar. 7.
Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Forging machine. 2,343,403; Mar. 7.
Crooks, Harry M., Jr. (See Marker, R. E., and Crooks.)
Crothers, Paul F., assignor to Trier Bros., Limited, London, England. Piston. 2,343,751; Mar. 7.
Crowell, Joyce H., Orchard Park, N. Y., assignor to Allied Chemical & Dye Corporation. Purification of maleic anhydride. 2,343,536; Mar. 7.
Curtis Pump Company. (See Curtis, Russell R., assignor.)
Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Pump pressure limiting device. 2,343,752; Mar. 7.
Curtiss-Wright Corporation. (See Dickinson, E. G., and Payne, assignors.)
Curtiss-Wright Corporation. (See Flader, F. E., and Berlin, assignors.)
Dalber, Emil, Cleveland, Ohio. Pitot tube. 2,343,282; Mar. 7.
Dale, Julian K., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovering riboflavin from adsorbates. 2,343,254; Mar. 7.
Daly, Le Grand, Port Clinton, Ohio. Gasket material. 2,343,368; Mar. 7.
Daman, Arthur C. (See Bailey, T. S., Jr., Daman, and Logue.)
Darley, Ralph E. (See Beerbower, A., and Darley.)
Dautrick, Owen L., Ferndale, Mich. Window structure. 2, 343,446; Mar. 7.

Davey, James R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiving circuit for telegraph signaling systems. 2,343,753; Mar. 7.
Davis, Frank L., College Point, Long Island, N. Y. Screw fastening with self-riveting head. 2,343,283; Mar. 7.
Davol Rubber Company. (See Raiche, Paul A., assignor.)
De Groote, Melvin. (See Wells, D. H., and De Groote.)
De Luxe Products Corporation. (See Bentley, Cecil N., assignor.)
Dentists' Supply Company of New York. (See Lays, Albert F., assignor.)
Derman, Harry, Laurelton, N. Y. Window black-out shield. 2,343,369; Mar. 7.
De Saussure Equipment Company. (See De Saussure, William P., assignor.)
De Saussure, James P. (See De Saussure, William P.)
De Saussure, William P., Englewood, N. J., assignor to W. P. and J. P. De Saussure, copartners doing business as De Saussure Equipment Company, West New York, N. J. Folding table. 2,343,537; Mar. 7.
Detroit Rex Products Company. (See Dinley, Clarence F., assignor.)
Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,343,370; Mar. 7.
Dickinson, Ernest G., Olcott, and S. T. Payne, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Folding wing airplane. 2,343,645; Mar. 7.
Dinley, Clarence F., assignor to Detroit Rex Products Company, Detroit, Mich. Still. 2,343,646; Mar. 7.
Distillation Products, Inc. (See Cawley, John D., assignor.)
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Distillation Products, Inc. (See Hickman, K. C. D., and Hecker, assignors.)
Dodington, Sven H. M., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Radio equipment and assembly. 2,343,284; Mar. 7.
Dodington, Sven H. M., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Rectifier. 2,343,285; Mar. 7.
Dodson, Howard W., assignor, by mesne assignments, to United Steel Barrel Company, Philadelphia, Pa. Closure for sheet-metal container openings. 2,343,286; Mar. 7.
Doerr, Ray, assignor to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Hose nozzle. 2,343,647; Mar. 7.
Donley, Harold B., Columbus, Ohio. Sealed type tail, stop, and direction signal. 2,343,754; Mar. 7.
Dorr Company, The. (See Weber, William C., assignor.)
Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Translating device. 2,343,404; Mar. 7.
Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Communication apparatus. 2,343,405; Mar. 7.
Dougherty, Martinello P., Marysville, Kans. Conduit coupling device. 2,343,755; Mar. 7.
Douglas Aircraft Company. (See Milburn, P. W., and Adamson, assignors.)
Downing, Frederick B., Penns Grove, N. J., and H. M. Fitch, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricant. 2,343,756; Mar. 7.
Drake, Earl D., Grand Rapids, assignor to Nash-Kelvinator Corportion, Detroit, Mich. Refrigerating apparatus. 2,343,447; Mar. 7.
Dryer, Charles G., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of paraffins. 2,343,406; Mar. 7.
Dube, Joseph L. (See Robertson, J. D., and Dube.)
Du Mont, Allen B., Laboratories, Inc. (See Atwood, Horace, Jr., assignor.)
Dunagan, Thomas A., Montrose, Calif. Tire recap. 2,343,498; Mar. 7.
Dunham Company. (See Simonka, Eugene R., assignor.)
Dunning, Leon M. (See Smith, R. H., Miller, and Dunning.)
Du Pont, E. I., de Nemours & Company. (See Cavanaugh, R. M., and Nagle, assignors.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Fitch, assignors.)
Du Pont, E. I., de Nemours & Company. (See Gray, Hugh W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kaufert, Frank H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Locke, Roy C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sorenson, Ben E., assignor.)
Dymaxion Company, The. (See Fuller, Richard B., assignor.)
Eastman Kodak Company. (See Aklin, George H., assignor.)
Eastman Kodak Company. (See Altman, Fred E., assignor.)
Eastman Kodak Company. (See Fallesen, George E., assignor.)
Eastman Kodak Company. (See Fairbanks, H. N., and Wallace, assignors.)
Eastman Kodak Company. (See Gearhart, William M., assignor.)
Eastman Kodak Company. (See Hincke, W. B., and Waterman, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Muehler, L. E., and Eaton, assignors.)
Eastman Kodak Company. (See Porter, H. D., Vittum, and Weissberger, assignors.)
Eastman Kodak Company. (See Porter, H. D., and Weissberger, assignors.)
Easy Washing Machine, Corporation. (See Scheele, Charles C., assignor.)
Eaton, George T. (See Muehler, L. E., and Eaton.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Control system. 2,343,648; Mar. 7.
Ebelke, William H., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Thiazyl sulphamine derivative. 2,343,538; Mar. 7.
Edison, Thomas A., Incorporated. (See Gregory, Alan F. C., assignor.)
Edson, William A., Chicago, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized oscillator. 2,343,539; Mar. 7.
Edwards, Russell W., Arcadia, Calif. Temporary fastener. 2,343,499; Mar. 7.
Egedal, Lawrence E., Milwaukee, Wis. Flour mill. 2,343,757; Mar. 7.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,343,649; Mar. 7.
Eklind, Henning A. (See Blomberg, O. J., and Eklind.)
Electric Steel Foundry Company. (See Richmond, Harry H., assignor.)
Eley, John, Jr. (See Campbell, Rodney B., assignor.)
Elliott, Harold F., Palo Alto, Calif. Electric control apparatus. 2,343,540; Mar. 7.
Elliott, Paul M. (See Kirby, W. G., and Elliott.)
Elsaesser, Frank S., Cincinnati, Ohio. Antidrip device. 2,343,287; Mar. 7.
Endo Products, Inc. (See Gordon, S. M. and Kipnis, assignors.)
Escher Wyss Maschinenfabricken Aktiengesellschaft. (See Keller, Curt, assignor.)
Etman, Israel K., New York, N. Y. Skull fitting hat. 2,343,758; Mar. 7.
Everett Piano Company. (See Zuck, Victor I., assignor.)
Ewart, Roswell H., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Addition of fluosilicates to latex. 2,343,541; Mar. 7.
Failing, George E., Supply Company, The. (See Alexander, E. L., and Braithwaite, assignors.)
Fairbairn, Walter M., and S. M. Burdick, assignors to Barnes Drill Co., Rockford, Ill. Honing apparatus. 2,343,500; Mar. 7.
Fairbanks, Henry N., Rochester, N. Y., and Roger W. Wallace, Washington, D. C., assignors to Eastman Kodak Company, Rochester, N. Y. Projector control. 2,343,850; Mar. 7.
Fairbanks, Morse & Co. (See Porter, Frederic P., assignor.)
Fairley, Frank, and R. Walsh, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,343,759; Mar. 7.
Falk Corporation, The. (See Bade, Alfred G., assignor.)
Fallesen, George E., U. S. Army, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,343,650; Mar. 7.
Farrington, Bruce B. (See Neely, G. L., Farrington, and Borsoff.)
Faultless Manufacturing Company, The. (See Hargreaves, John F., assignor.)
Faunce, Benjamin R., Riverside, N. J. Heat extractor. 2,343,542; Mar. 7.
Fay, Mabel C., Floral Park, N. Y. Slicing device. 2,343,448; Mar. 7.
Federal Telephone and Radio Corporation. (See Dodington, Sven H. M., assignor.)
Federal Telephone and Radio Corporation. (See Kotterman, Chester A., assignor.)
Fellows Gear Shaper Company, The. (See Burnham, Clarence W., assignor.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Ferrara, John, Rochester, N. Y. Channel cutter attachment for stitching machines. 2,343,501; Mar. 7.
Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,343,543; Mar. 7.
Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,343,544; Mar. 7.
Fidelity Machine Company. (See Larkin, Walter, assignor.)
Fielding, George T., Stamford, Conn. Cleansing and polishing medium for dentrifices or the like. 2,343,651; Mar. 7.
Fields, David E., Tulsa, Okla. Follower ring for heat exchanger dome plates. 2,343,502; Mar. 7.
Findley, Glenn E., assignor to Tex-O-Kan Flour Mills Company, Dallas, Tex. Treating wheaten flour. 2,343,652; Mar. 7.
Finizio, Victor L., Hoboken, N. J., assignor to General Electric Company. Mercury switch. 2,343,653; Mar. 7.

Fink, Rudolph, U. S. Army, Patterson Field, Ohio. Automatic pilot. 2,343,288; Mar. 7.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Safety switching arrangement for electrically heated appliances. 2,343,654; Mar. 7.

Fisher, John A., Steinhatchee, Fla. Suction muffler for airplanes, automobiles, and the like. 2,343,371; Mar. 7.

Fisher, Lawrence E., assignor to Bulldog Electric Products Company, Detroit, Mich. Switch. 2,343,255; Mar. 7.

Fitch, Howard M. (See Downing, F. B., and Fitch.)

Flader, Fredric E., Kenmore, and D. R. Berlin, Eggertsville, N. Y., assignors to Curtiss-Wright Corporation. Cowling. 2,343,655; Mar. 7.

Fleming, Edward P., Los Angeles, Calif., and D. H. McIntosh, Corpus Christi, Tex., assignors to American Smelting and Refining Company, New York, N. Y. Smelting of drosses, mattes and the like. 2,343,760; Mar. 7.

Fleming, Edward P., Los Angeles, Calif., and D. H. McIntosh, Corpus Christi, Tex., assignors to American Smelting and Refining Company, New York, N. Y. Smelting copper-lead drosses and the like. 2,343,761; Mar. 7.

Foerster, Charles V. (See Cape, A. T., and Foerster.)

Fog Nozzle Co., The. (See Larter, Raymond B., assignor.)

Folberth, Frederick G. and W. M., Cleveland, Ohio. Fluid pressure actuated motor. 2,343,656; Mar. 7.

Folberth, William M. (See Folberth, Frederich G. and W. M.)

Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)

Ford, George E., and W. W. Hastings, Brighton, assignors to Rochester Manufacturing Co., Inc., Rochester, N. Y. Bimetallic thermometer. 2,343,372; Mar. 7.

Ford, George E., W. W. Hastings, and W. B. Connolly, assignors to Rochester Manufacturing Company, Rochester, N. Y. Combination electric switch and indicating mechanism. 2,343,545; Mar. 7.

Ford Instrument Company. (See Poitras, E. J., and Tear, assignors.)

Ford Motor Company. (See Wagner, Willys P., assignor.)

Forse, Harry D., Anderson, Ind. Apparatus for pressing shirts and the like. 2,343,289; Mar. 7.

Fox, Charles A., Oakland Village, Mo. Drying rack. 2,343,657; Mar. 7.

Francis, Oliver T., Renville, Minn. Signaling with electronic commutators. 2,343,290; Mar. 7.

Frank, William H., and E. T. Platz, assignors to Bulldog Electric Products Company, Detroit, Mich. Multipolar circuit breaker. 2,343,612; Mar. 7.

Franklin, John J., Glenside, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Siftings collector for endless belt conveyers. 2,343,762; Mar. 7.

Franzl, Christian J., Miami, Fla. Glove. 2,343,449; Mar. 7.

Free, Gerhard. (See Pier, M., and Free.)

Free, Gerhard, and W. v. Füner, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Manufacture of nonknocking motor fuels from liquid hydrocarbons by catalytic cracking. 2,343,450; Mar. 7.

Friden Calculating Machine Co. (See Moody, John L., assignor.)

Fridolph, Annette, New York, N. Y. Traveling case. 2,343,763; Mar. 7.

Fuel Refining Corporation. (See Otto, Carl, assignor.)

Fuge, Harry B., Elizabeth, N. J., and L. C. Pratt, Baldwin, N. Y., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Brush assembly for dynamo electric machines. 2,343,546; Mar. 7.

Fuller Manufacturing Company. (See Backus, Thomas, assignor.)

Fuller, Richard B., New York, N. Y., assignor to The Dymaxion Company, Inc., Wilmington, Del. Building construction. 2,343,764; Mar. 7.

Galen Company. (See Abramson, H. A., and Gorin, assignors.)

Gallimore, Keith F., Fond du Lac, Wis., and G. Langen, Cincinnati, Ohio, assignors of one-half to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Table drive for machine tools. 2,343,503; Mar. 7.

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Table drive for machine tools. 2,343,504; Mar. 7.

Galloway, Clarence T., assignor to Gleason Works, Rochester, N. Y. Machine for chamfering gears. 2,343,407; Mar. 7.

Garretson, Owen L., Detroit, Mich., assignor to Phillips Petroleum Company. Variable fuel orifice carburetor. 2,343,451; Mar. 7.

Garretson, Owen L., Detroit, Mich., assignor to Phillips Petroleum Company. Fuel proportioning arrangement. 2,343,765; Mar. 7.

Gaylor, Peter J., Union, N. J., assignor to Standard Oil Development Company. Modified fuel. 2,343,766; Mar. 7.

Gearhart, William M., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Thermoplastic decorative composition and preparation. 2,343,638; Mar. 7.

Gedris, Stanley J., Grand Rapids, Mich. Chair. 2,343,505; Mar. 7.

General Aniline & Film Corporation. (See Reckmeyer, V. H., and Brunner, assignors.)

General Aniline & Film Corporation. (See Schneider, Wilhelm, assignor.)

General Chemical Company. (See Henninger, Arthur H., assignor.)

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Baldwin, Charles F., assignor.)

General Electric Company. (See Buchholz, Herbert, assignor.)

General Electric Company. (See Eaton, John, assignor.)

General Electric Company. (See Finizio, Victor L., assignor.)

General Electric Company. (See Finlayson, Frank E., assignor.)

General Electric Company. (See Heiser, M. G., and Gilbert, assignors.)

General Electric Company. (See Steudel, Eberhard, assignor.)

General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)

General Motors Corporation. (See Ferris, Donald K., assignor.)

General Motors Corporation. (See Hartzell, Herman L., assignor.)

General Motors Corporation. (See McCormack, Alex A., assignor.)

General Motors Corporation. (See Reeves, Donald H., assignor.)

General Motors Corporation. (See Rossman, Edwin F., assignor.)

General Tire & Rubber Company, The. (See Wheatley, George, assignor.)

Georgopoulos, Michael L., Washington, D. C. Detachable antislipping device for use on either shoes or overshoes. 2,343,373; Mar. 7.

Gerson, Seymour, Morristown, Tenn. Lining for textile shuttles. 2,343,659; Mar. 7.

Getz, Charles, Urbana, Ill., assignor, by mesne assignments, to Aeration Processes, Inc., Columbus, Ohio. Ice cream and ice cream making. 2,343,767; Mar. 7.

Gibbs, Carlin F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of quinones. 2,343,768; Mar. 7.

Gibbs, Thomas B., Delavan, Wis., assignor, by mesne assignments, to George W. Borg Corporation, Chicago, Ill. Timing apparatus. 2,343,452; Mar. 7.

Giddings & Lewis Machine Tool Co. (See Gallimore, Keith F., assignor.)

Giddings & Lewis Machine Tool Co. (See Gallimore, K. F., and Langen, assignors.)

Gilbert, Wheeler C. (See Heiser, M. G., and Gilbert.)

Gilfillan, Henry W., Detroit, and E. L. Bailey, Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,343,291; Mar. 7.

Gillespie, Henderson C., Morristown, N. J., assignor to Radio Corporation of America. Electrical heating apparatus. 2,343,453; Mar. 7.

Gillette Safety Razor Company. (See Lewando, Felix J., assignor.)

Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)

Gilman, Turner W. (See Grandstaff, O. D., Gilman, and Herrick.)

Giuseffi, Vincent J., West Orange, N. J. Tire. 2,343,660; Mar. 7.

Glass, Louis, Kew Gardens, N. Y., assignor to Celanese Corporation of America. Laminated fabric. 2,343,408; Mar. 7.

Glass, William H., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,343,661; Mar. 7.

Gleason Works. (See Galloway, Clarence T., assignor.)

Goff, Lawrence V., Canton, Ohio. Attachable wheel for sleds. 2,343,662; Mar. 7.

Goldberg, Benjamin D., Brooklyn, N. Y. Container and support therefor. 2,343,409; Mar. 7.

Goldsmith, Edwin M., Jr., Philadelphia, assignor to M. M. Gottlieb Associates, Inc., Allentown, Pa. Clock. 2,343,613; Mar. 7.

Goodrich, B. F., Company, The. (See Gibbs, Carlin F., assignor.)

Goodrich, B. F., Company, The. (See Mathes, Roger A., assignor.)

Goodrich, B. F., Company, The. (See Mayne, Robert, assignor.)

Gordon, Samuel M., Forest Hills, and F. Kipnis, Brooklyn, assignors to Endo Products, Inc., Richmond Hill, N. Y. Organo-mercury compound. 2,343,547; Mar. 7.

Gorin, Manuel H. (See Abramson, H. A., and Gorin.)

Gottlieb, M. M., Associates, Inc. (See Goldsmith, Edwin M., Jr., assignor.)

Gottschalk, Frederick W., and H. W. Angell, Chicago, Ill., assignors to American Lumber & Treating Co. Kiln drying lumber. 2,343,410; Mar. 7.

Gracia, Albert J. (See Smith, C. H., and Gracia.)

Grandstaff, Otho D., T. W. Gilman, and R. H. Herrick, Oak Park, Ill., assignors to Automatic Electric Laboratories, Inc. Current supply system. 2,343,411; Mar. 7.

Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker locking device. 2,343,548; Mar. 7.

Gray, Hugh W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aliphatic aminoacyl compound and preparing same. 2,343,769; Mar. 7.

Gregory, Alan F. C., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Nonspill vent means. 2,343,663; Mar. 7.

Greneker, Lillian L., New York, N. Y. Destructible form. 2,343,292; Mar. 7.

Groghan, Esta C., assignor to Rolland Glass Company, Clarksburg, W. Va. Automatic control means for maintaining constant liquid levels. 2,343,549; Mar. 7.

Gross, A. Edward. (See Wheeler, Henry F., assignor.)

Grosse, Aristid V., and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,343,851; Mar. 7.

Grosse, Aristid V., and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,343,852; Mar. 7.

Grove, Donald E., West Los Angeles, assignor of one-sixth to V. C. Hickson, Los Angeles, Calif. Container and making same. 2,343,550; Mar. 7.

Guardite Corporation, The. (See Pilkey, Orrin H., assignor.)

Haller, Herbert L. J. (See Schechter, M. S., and Haller.)

Hannay, William H., Trail, British Columbia, and B. J. Walsh, Quebec, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Purification of manganous sulphate solutions. 2,343,293; Mar. 7.

Hansen's, Chr., Laboratory, Inc. (See Spur, Bernhard, assignor.)

Hanwell, Cedric H. (See Steinle, L. C., and Hanwell.)

Harbor Plywood Corporation. (See Birmingham, Donald G., assignor.)

Hargreaves, John F., assignor to The Faultless Manufacturing Company, Baltimore, Md. Garment supporting band. 2,343,374; Mar. 7.

Harkins, Henry H., North Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Adhesive composition. 2,343,551; Mar. 7.

Harnett, A. De Vere, Racine, Wis. Method and apparatus for mixing liquids. 2,343,454; Mar. 7.

Harpham, Walter J., Hartford, N. J., assignor to L. Nachman & Sons, Philadelphia, Pa. Making fabric and dress ornamentation, and the product thereof. 2,343,614; Mar. 7.

Hartford National Bank and Trust Company, trustee. (See Horowitz, A., and van Dam, assignors.)

Hartig, Rufus G. (See Laird, R. F., and Hartig.)

Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition distributor. 2,343,455; Mar. 7.

Haselton, Merton L., Rye, and C. S. Whitney, Jr., Brooklyn, assignors to The Teleregister Corporation, New York, N. Y. Traveling message sign. 2,343,294; Mar. 7.

Hass, Henry B., West Lafayette, Ind., and J. F. Bourland, Martinsville, N. J., assignors to Purdue Research Foundation, La Fayette, Ind. Condensation of mononitroalkanes and aliphatic ketones. 2,343,256; Mar. 7.

Hastings, Warren W. (See Ford, G. E., and Hastings.)

Hastings, Warren W. (See Ford, G. E., Hastings, and Connolly.)

Hatcher, George R., assignor to The Mahoning Paint and Oil Company, Youngstown, Ohio. Coating ingots. 2,343,842; Mar. 7.

Hay, Howard M., Chicago, Ill. Game. 2,343,506; Mar. 7.

Hazeltine Corporation. (See Case, Nelson P., assignor.)

Hazeltine Corporation. (See Loughren, Arthur V., assignor.)

Hazeltine Corporation. (See Okrent, Jasper J., assignor.)

Hazeltine Corporation. (See Wilson, John C., assignor.)

Hecker, John C. (See Hickman, K. C. D., and Hecker.)

Heiser, Myron G., and W. C. Gilbert, Stratford, Conn., assignors to General Electric Company. Attachment plug. 2,343,664; Mar. 7.

Hemmann, Otto. (See Klein, H., Hemmann, Keinke, Hofmann, and Boehmer.)

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process. 2,343,770; Mar. 7.

Henninger, Arthur H., Floral Park, assignor to General Chemical Company, New York, N. Y. Monocalcium phosphate crystallization. 2,343,456; Mar. 7.

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hercules Powder Company. (See Little, Julius G., assignor.)

Herman, Kenneth R., assignor to Vickers, Incorporated, Detroit, Mich. Viscosity flow control. 2,343,375; Mar. 7.

Herrick, Roswell H. (See Grandstaff, O. D., Gilman, and Herrick.)

Herzog, Carl, Belleville, N. J., assignor to Radio Corporation of America. Metal envelope radio tube. 2,343,457; Mar. 7.

Hettinger, George, East Rutherford, N. J., assignor to American Sundries Company, Inc., Brooklyn, N. Y. Vaporizer. 2,343,458; Mar. 7.

Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum apparatus. 2,343,665; Mar. 7.

Hickman, Kenneth C. D., and J. C. Hecker, assignors to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation procedure. 2,343,666; Mar. 7.

Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Centrifugal still. 2,343,667; Mar. 7.

Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. High vacuum still. 2,343,668; Mar. 7.

Hickson, Vincent C. (See Grove, Donald E., assignor.)

Hincke, William B., and J. Waterman, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Stabilizing mixed fatty acid esters of cellulose of the triester type. 2,343,669; Mar. 7.

Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Exposure guide for photographic cameras, particularly aerial cameras. 2,343,257; Mar. 7.

Hines, John E., Rochester, Minn. Automobile jack. 2,343,459; Mar. 7.

Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder. 2,343,553; Mar. 7.

Hoffar, Henry S., West Vancouver, British Columbia, Canada, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Antifriction screw device. 2,343,507; Mar. 7.

Hofmann, Oskar. (See Klein, H., Hemmann, Keinke, Hofmann, and Boehmer.)

Holcomb, Philo, Jr., Great Neck, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph system and apparatus. 2,343,297; Mar. 7.

Holley, Earl, et al. (See Udale, Stanley M., assignor.)

Holley, George M., et al. (See Udale, Stanley M., assignor.)

Hollister, John C., and W. Wood, Denver, Colo. Photoflash device. 2,343,552; Mar. 7.

Holmes, Gifford I., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control. 2,343,670; Mar. 7.

Holmquist, Carl W., assignor to Copperweld Steel Company, Glassport, Pa. Making composite billets. 2,343,771; Mar. 7.

Holophane Company, Inc. (See Tuck, Davis H., assignor.)

Hönel, Herbert, Vienna, and A. Zinke, Graz, Germany; vested in the Alien Property Custodian. Resinous condensation product and making it. 2,343,296; Mar. 7.

Hoorn, Robert A., Minneapolis, Minn. Gear cutter. 2,343,508; Mar. 7.

Horowitz, Alexandre, and A. van Dam, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Haircutting device. 2,343,553; Mar. 7.

Horst, Julius, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,343,376; Mar. 7.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper blade. 2,343,843; Mar. 7.

Horvitz, Leo, assignor to E. E. Rosaire, Houston, Tex. Geochemical prospecting. 2,343,772; Mar. 7.

Hromatka, Otto, Darmstadt, Germany, assignor to Merck & Co., Inc., Rahway, N. J. Nitro-chromane. 2,343,773; Mar. 7.

Hudson, Edwin B., and E. G. Schlup, assignors to The American Rolling Mill Company, Middletown, Ohio. Gauge control. 2,343,554; Mar. 7.

Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Screw-down mechanism for rolling mills. 2,343,671; Mar. 7.

Huffman, Russell I., Dover, Ohio, assignor to Knappé Monarch Company, St. Louis, Mo. Steam generating sadiron. 2,343,555; Mar. 7.

Hurt, Samuel N., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,343,615; Mar. 7.

Hussey, James F., Cynwyd, Pa., assignor to Brunhilde Weller Skinner, Dunedin, Fla. Obtaining high luster upon and preservation of fruits and vegetables. 2,343,258; Mar. 7.

Hyler, Loiell L., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Wire tensioning unit. 2,343,672; Mar. 7.

I-T-E Circuit Breaker Company. (See Graves, Herbert C., Jr., assignor.)

Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,343,298; Mar. 7.

Illinois Tool Works. (See Poupitch, Ougljesa J., assignor.)

Illmer, Louis, and V. R. Pallas, Cortland, N. Y.; said Pallas assignor to L. T. Pallas. Grinder machine reeling system. 2,343,460; Mar. 7.

Immel, Ralph B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,343,412; Mar. 7.

Industrial Patents Corporation. (See Walter, Charles T., assignor.)

Industrial Rayon Corporation. (See Kline, Hayden B., assignor.)
Ingersoll-Rand Company. (See Stepanoff, Alexey J., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)
International Business Machines Corporation. (See Doty, Charles R., assignor.)
International Business Machines Corporation. (See Johnson, Reynold B., assignor.)
International Business Machines Corporation. (See Keen, Harold H., assignor.)
International Business Machines Corporation. (See Leathers, W., and Bailey, assignors.)
International Business Machines Corporation. (See Wheeler, John N., assignor.)
International Standard Electric Corporation. (See Fairley, F., and Walsh, assignors.)
International Standard Electric Corporation. (See Lévy, M. M., and Merritt, assignors.)
Irvington Varnish & Insulator C. (See Van Norde, Peter, assignor.)
Jacobsen, Arthur J., Oak Park, Ill. Severing machine. 2,343,556; Mar. 7.
Jandasek, Joseph, assignor to Bendix Aviation Corporation, Detroit, Mich. Transmission. 2,343,509; Mar. 7.
Janovsky, Rudolph, Berwyn, assignor to Wilson-Jones Company, Chicago, Ill. Paper fastener. 2,343,413; Mar. 7.
Jasco, Incorporated. (See Sparks, W. J., Baldeschwieler, and Sommer, assignors.)
Johnson, Erik H., Portland, Oreg. Sawhorse. 2,343,557; Mar. 7.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Punching machine. 2,343,414; Mar. 7.
Jones, Robert M., Biddeford, and V. A. Burnham, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Drawing mechanism for spinning and roving frames. 2,343,259; Mar. 7.
Joshua Hendy Iron Works. (See Schott, Rudolph D., assignor.)
Kadar, Luis, assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam structure. 2,343,673; Mar. 7.
Kalkhuis, Fred W. (See McElroy, J. H., and Kalkhuis.)
Kalmus-Golden, Inc. (See Bernstein, Herbert H., assignor.)
Kaufert, Frank H., St. Paul, Minn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,343,415; Mar. 7.
Kay, Benjamin F., Los Angeles, Calif. Lawn and garden tool. 2,343,616; Mar. 7.
Keen, Harold H., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Indicating device. 2,343,377; Mar. 7.
Keinke, Rudolf. (See Klein, H., Hemmann, Keinke, Hofmann, and Boehmer.)
Keller, Curt, assignor to Escher Wyss Maschinenfabricken Aktiengesellschaft, Zurich, Switzerland. Variable-pitch propeller. 2,343,416; Mar. 7.
Keller, David, Brooklyn, N. Y. Pintle applying machine. 2,343,854; Mar. 7.
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Sound recording. 2,343,674; Mar. 7.
Kenyon, Franklin P., New York, N. Y. Plug-in transformer. 2,343,675; Mar. 7.
Ketchum Manufacturing Co., Limited. (See Mackey, Alexander S., assignor.)
Kieser, Hugh, Heidenheim, Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Governing device for engines, especially for the drive of ship screws with variable pitch. 2,343,378; Mar. 7.
Kinetic Chemicals, Inc. (See Benning, Anthony F., assignor.)
Kinetic Chemicals, Inc. (See Laird, R. F., and Hartig, assignors.)
Kipnis, Frank. (See Gordon, S. M., and Kipnis.)
Kirby, Walter G., and P. M. Elliott, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Reclaiming waste polychloroprenes. 2,343,558; Mar. 7.
Kirby, Walter G., and L. E. Steinle, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Reclaiming waste polychloroprenes. 2,343,559; Mar. 7.
Klein, Felix, Bayside, Long Island, N. Y. Faucet attachment. 2,343,774; Mar. 7.
Klein, H., Mannheim, O. Hemmann and R. Keinke, Leuna, and O. Hofmann and W. Boehmer, Halle-on-the-Saale, Germany; vested in the Alien Property Custodian. Distributor for fluids. 2,343,560; Mar. 7.
Kline, Hayden B., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for doubling and twisting thread. 2,343,209; Mar. 7.
Klumb, Stanley G., Milwaukee, Wis. Electric fence. 2,343,300; Mar. 7.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Knaus, Peter J., Hinsdale, and E. W. Larsen, Elmhurst, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand supply apparatus. 2,343,461; Mar. 7.
Knox, Harry A., Washington, D. C. Hydraulic check. 2,343,301; Mar. 7.
Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Lubrication. 2,343,302; Mar. 7.
Kohnle, Frederick, and T. G. Turner, assignors to Monarch Marking System Company, Dayton, Ohio. Price tag delivery mechanism. 2,343,617; Mar. 7.
Kolb, Hans F., Chicago, Ill. Brake mechanism. 2,343,510; Mar. 7.
Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Phonograph pickup. 2,343,417; Mar. 7.
Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone and Radio Corporation. Waterproof rectifier. 2,343,379; Mar. 7.
Kroger Food Foundation, The. (See Vollé, Norbert H., assignor.)
Krueger, Archibald S. (See Slye, N. J., and Krueger.)
Kuhlman, Henry J., Waterloo, Iowa. Fertilizer distributor. 2,343,303; Mar. 7.
Kundt, Heinz E. (See Bechmann, R., Kundt, and Bremer.)
La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hydrodynamic transmission. 2,343,304; Mar. 7.
Laird, Robert F., Salem, and R. G. Hartig, Penns Grove, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Purification of hydrochloric acid. 2,343,462; Mar. 7.
Lake Erie Chemical Company, The. (See Wolf, F., and Sigmund, assignors.)
La Mar, Frank C., Tucson, Ariz. Fuse. 2,343,676; Mar. 7.
La Mar, Frank C., Tucson, Ariz. Fuse. 2,343,677; Mar. 7.
Lampton, Glen T., and H. P. Moyer, Williamsport, Pa., assignors, by mesne assignments, to The Aviation Corporation, New York, N. Y. Making propeller blades. 2,343,418; Mar. 7.
Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Forming sheets or films of light-polarizing material. 2,343,775; Mar. 7.
Langen, George. (See Gallimore, K. F., and Langen.)
Larkin, Dennis F., San Francisco, Calif. Closure for bags. 2,343,678; Mar. 7.
Larkin, Walter, Norristown, assignor to Fidelity Machine Company, Philadelphia, Pa. Horizontal tube knitting machine. 2,343,776; Mar. 7.
Larsen, Einer W. (See Knaus, P. J., and Larsen.)
Larson, Kenneth R., Des Plaines, Ill., and G. M. Walraven, assignors to Snap-On Tools Corporation, Kenosha, Wis. Torque ratchet wrench. 2,343,380; Mar. 7.
Larter, Raymond B., West Los Angeles, assignor to The Fog Nozzle Co., Los Angeles, Calif. Fire extinguishing nozzle. 2,343,305; Mar. 7.
Lawrence, Ludwig L., et al. (See Schufftan, Eugen, assignor.)
Lawton, George W., assignor to The United States Bung Manufacturing Company, Cincinnati, Ohio. Bush for metal barrels. 2,343,618; Mar. 7.
Lays, Albert F., Pelham Manor, assignor to The Dentists' Supply Company of New York, New York, N. Y. Artificial teeth selection rim. 2,343,777; Mar. 7.
Leader, Sophia. (See Leader, Zeleg and S.)
Leader, Zeleg and S., New York, N. Y. Mattress cover. 2,343,260; Mar. 7.
Lear Avia, Inc. (See Lear, William P., assignor.)
Lear, William P., Dayton, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Loop antenna system. 2,343,306; Mar. 7.
Leathers, Ward, Brooklyn, N. Y., and W. J. A. Bailey, Packanack Lake, N. J., assignors to International Business Machines Corporation, New York, N. Y. Indicating control apparatus for perforating machines. 2,343,463; Mar. 7.
Lee, Fredric J. (See Sebo, Joseph, assignor.)
Leonard, Henry M., Brooklyn, N. Y. Direction indicator. 2,343,778; Mar. 7.
Lermer, Irving S., assignor to Celluplastic Corporation, Newark, N. J. Message holder for use with homing pigeons. 2,343,679; Mar. 7.
Le Tourneau, R. G., Inc. (See Hyler, Loiell L., assignor.)
Lev, Andrew J. (See Van Sittert, P., and Lev.)
Lévy, Maurice M., and A. S. Merritt, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Holder for thermionic valves. 2,343,779; Mar. 7.
Lewando, Felix J., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,343,307; Mar. 7.
Lewis, Lloyd V. (See McCann, R. A., and Lewis.)
Lewis, Warren K., Cambridge, Mass., assignor to Standard Oil Development Company. Reaction between solids and gases. 2,343,780; Mar. 7.
Libbey-Owens-Ford Glass Company. (See Cosgrove, Rex P., assignor.)
Libbey-Owens-Ford Glass Company. (See Simons, John K., assignor.)

Libbey-Owens-Ford Glass Company. (See White, Gerald, assignor.)
Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Preparation of diolefins. 2,343,830; Mar. 7.
Lienau, Jacob H., New York, and J. J. Neuman, South Salem, N. Y. Automatic vacuum pan control. 2,343,464; Mar. 7.
Linde Air Products Company, The. (See Zenner, George H., assignor.)
Linderme, Emil, Sr., Shaker Heights, assignor to The Linderme Tube Company, Euclid, Ohio. Tube drawing apparatus. 2,343,680; Mar. 7.
Linderme Tube Company, The. (See Linderme, Emil, Sr., assignor.)
Lipow, John J., et al. (See Schufftan, Eugen, assignor.)
Little, Julius G., assignor to Hercules Powder Company, Wilmington, Del. Textile fiber and producing. 2,343,308; Mar. 7.
Lloyd, Nicholas P., Wynnewood, Pa. Setting gauge for cutting tools. 2,343,309; Mar. 7.
Lobanoff, Valenteen S., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Double casing pump. 2,343,511; Mar. 7.
Lobl, Frederick, Middleboro, Mass. Ice bag and closure therefor. 2,343,512; Mar. 7.
Locke, Roy C., Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spirit printing composition. 2,343,781; Mar. 7.
Lo Curto, Anthony F., near San Jose, Calif. Adjustable footrest. 2,343,681; Mar. 7.
Logue, Leland H. (See Bailey, T. S., Jr., Daman, and Logue.)
Lohmann, Edward, Greenville, Ohio. Fruit and vegetable comminuting machine. 2,343,310; Mar. 7.
Lonk, Adolph F., Palatine, Ill. Nonslip tie. 2,343,513; Mar. 7.
Lotters, Fred H., assignor to Mohawk Brush Company, Albany, N. Y. Spiral hairbrush. 2,343,782; Mar. 7.
Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Corporation. Television broadcasting system. 2,343,561; Mar. 7.
Love, Daniel B., Saratoga, Wyo. Mousetrap. 2,343,562; Mar. 7.
Luckiesh, Matthew, Shaker Heights, and F. K. Moss, Cleveland, Ohio. Apparatus for subjective refraction of the eyes. 2,343,783; Mar. 7.
Luers, John M., Mount Clemens, Mich. Locking cam for toolholders. 2,343,855; Mar. 7.
Luhrs, John F., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring and control system. 2,343,619; Mar. 7.
Mace, Arthur T., East Cleveland, assignor to The Radiart Corporation, Cleveland, Ohio. Antenna. 2,343,684; Mar. 7.
Machine & Tool Designing Co. (See Pickens, Madison D., assignor.)
Machine & Tool Designing Company. (See Pickens, M. D., and Pecker, assignors.)
Machlett Laboratories Incorporated. (See Machlett, Raymond R., assignor.)
Machlett, Raymond R., assignor to Machlett Laboratories Incorporated, New Canaan, Conn. High tension apparatus. 2,343,381; Mar. 7.
MacKay, Robert, Cook County, Ill., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y. Preparing printing surfaces. 2,343,685; Mar. 7.
Mackey, Alexander S., assignor to Ketchum Manufacturing Co., Limited, Ottawa, Ontario, Canada. Seal. 2,343,564; Mar. 7.
Magee, Robert B., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Power control unit. 2,343,465; Mar. 7.
Mahoning Paint and Oil Company, The. (See Hatcher, George R., assignor.)
Maiden Form Brassière Company. (See Rosenthal, William, assignor.)
Malhiot, Eugene L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,343,466; Mar. 7.
Mallard, Logan L., Norfolk, Va. Freezing tray with ice release cam structure. 2,343,565; Mar. 7.
Manning, Daniel T. and W. T., Jr., Rochester, N. Y. Producing articles from thermoplastic material. 2,343,238; Mar. 7.
Manning, Maxwell & Moore, Inc. (See Mitchell, George A., assignor.)
Manning, William T., Jr. (See Manning, Daniel T. and W. T., Jr.)
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marker, Russell E., State College, Pa., and H. M. Crooks, Jr., assignors to Parke, Davis & Company, Detroit, Mich. Halosteroid and preparation of the same. 2,343,311; Mar. 7.
Marple, Ernest H., San Diego, Calif. Collapsible trailer. 2,343,261; Mar. 7.
Martin, Charles L., St. Louis, Mo. Fluid coupling. 2,343,786; Mar. 7.
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller governor. 2,343,382; Mar. 7.
Martin, Erle, West Hartford, and M. C. Beebe, Jr., Glastonbury, assignors to United Aircraft Corporation, East Hartford, Conn. Balancing propeller. 2,343,383; Mar. 7.
Martin, Walter Q., Hickory, N. C. Drive mechanism for strippers of carding machines. 2,343,787; Mar. 7.
Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric welding machine. 2,343,686; Mar. 7.
Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric welding machine. 2,343,687; Mar. 7.
Mason, Richard D. (See Baird, Douglas O.)
Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,343,566; Mar. 7.
Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,343,312; Mar. 7.
Maxey, William E., East St. Louis, Ill. Plumb bob support. 2,343,688; Mar. 7.
Mayer, Charles V. (See Pinson, A., and Mayer.)
Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Track for self-laying track vehicles. 2,343,239; Mar. 7.
Maynes, Emma C. (See Maynes, Hyla F., assignor.)
Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Aquatic amusement apparatus. 2,343,313; Mar. 7.
McCabe, John E., Ft. Thomas, Ky. Coaster. 2,343,563; Mar. 7.
McCann, Ronald A., Swissvale, and L. V. Lewis, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Centralized traffic controlling system. 2,343,784; Mar. 7.
McCarthy, Henry J., Danvers, Mass., assignor to Sylvania Electric Products Inc. Electric discharge lamp starting device. 2,343,262; Mar. 7.
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,343,514; Mar. 7.
McCurdy, Howard, Walnut Park, Calif. Helical centrifugal separator. 2,343,682; Mar. 7.
McDonald, John I., Pajaro, Calif. Multistringed musical instrument. 2,343,384; Mar. 7.
McElroy, John H., Pearl River, and F. W. Kalkhuis, Orangeburg, N. Y. Electric eraser. 2,343,237; Mar. 7.
McGlone, Edgar B., Pine Bluff, Ark. Laminated boat rib and making same.
McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Airconditioned control system. 2,343,467; Mar. 7.
McLaughlin, Bernard S., Jr., Brooklyn, N. Y., and J. H. Zyerveld, Chester, Pa. Taper preventing photoelectric cell device. 2,343,785; Mar. 7.
McIntosh, Donald H. (See Fleming, E. P., and McIntosh.)
McNeil Machine and Engineering Company, The. (See Brundage, James W., assignor.)
Mercier, Jean, New York, N. Y. Slide valve. 2,343,689; Mar. 7.
Merck & Co. (See Hromatka, Otto, assignor.)
Merritt, Arthur S. (See Lévy, M. M., and Merritt.)
Messinger, Harold L., assignor of one-half to L. P. Romano, Los Angeles, Calif. Propulsion device for swimmers. 2,343,468; Mar. 7.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera exposure control. 2,343,690; Mar. 7.
Milburn, Paul W., Los Angeles, and W. D. Adamson, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Shipping structure. 2,343,844; Mar. 7.
Milestone, Walter E., Lakewood, and B. B. West, Cleveland, Ohio; said West assignor to said Milestone. Calculating means. 2,343,385; Mar. 7.
Miller, Alfred B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,343,419; Mar. 7.
Miller, Charles G., Easton, Conn. Automotive drive. 2,343,469; Mar. 7.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Crowning gears by shaving. 2,343,567; Mar. 7.
Miller, John A., De Kalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Filing cabinet. 2,343,692; Mar. 7.
Miller, Kenneth W., Chicago, and Hiram W. Sheridan, Oak Park, Ill. Airplane ignition harness. 2,343,314; Mar. 7.
Miller, Lloyd E. (See Smith, R. H., Miller, and Dunning.)
Miller, Samuel C., New York, N. Y. Size compensating elevation post. 2,343,691; Mar. 7.
Millers Falls Company. (See Taylor, Kenyon Y., assignor.)
Mining Process and Patent Company. (See Bailey, T. S., Jr., Daman, and Logue, assignors.)
Minneapolis-Honeywell Regulator Company. (See Holmes, Gifford I., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Wilson, John M., assignor.)
Missouri Portland Cement Co. (See Wagner, Lacey A., assignor.)
Mitchell, George A., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Current collecting apparatus. 2,343,693; Mer. 7.
Mitchum, Elisabeth E., Johnson County, Kans. Blood-separating machine for serum production. 2,343,694; Mar. 7.
Mohawk Brush Company. (See Lotters, Fred H., assignor.)
Moisture Register Company. (See Stevens, Robert L., assignor.)
Molins, Desmond W., and C. Best, assignors to Molins Machine Company Limited, Deptford, London, England. Cigarette making machine. 2,343,240; Mar. 7.
Molins Machine Company Limited. (See Molins, D. W., and Best, assignors.)
Monarch Marking System Company. (See Kohnle, F., and Turner, assignors.)
Monsanto Chemical Company. (See Blake, Edward S., assignor.)
Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. 2,343,241; Mar. 7.
Moran, John F., Brooklyn, N. Y. Hydromechanically controlled mechanism. 2,343,788; Mar. 7.
Morgenroth, Frank C., Glendale, Calif. Pouring carton. 2,343,857; Mar. 7.
Morrell, Jacque C. (See Grosse, A. B., and Morrell.)
Morris, Kenneth G., Westfield, N. J., assignor to Standard Oil Development Company. Improving quality of oxidized asphalts. 2,343,789; Mar. 7.
Morrison, Laurence W., Jr., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical signaling. 2,343,568; Mar. 7.
Morrison, Willard L., Lake Forest, Ill. Tank. 2,343,315; Mar. 7.
Moskos, Rita, Chicago, Ill. Curtain stretcher. 2,343,695; Mar. 7.
Moss, Frank K. (See Luckiesh, M., and Moss.)
Moyer, Harris P. (See Lampton, G. T., and Moyer.)
Muehler, Lowell E., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Hypo eliminator bath. 2,343,696; Mar. 7.
Murray, D. J., Manufacturing Co. (See Sargent, J. W., and Staky, assignors.)
Nachman, L., & Sons. (See Harpham, Walter J., assignor.)
Nagle, Wesley M. (See Cavanaugh, R. M., and Nagle.)
Nash-Kelvinator Corporation. (See Drake, Earl D., assignor.)
Nast, Leo, Fanwood, N. J., assignor to United Plastics Corporation, New York, N. Y. Noninflammable and shockproof hollow vessel. 2,343,470; Mar. 7.
National Postal Meter Company. (See Ryan, C. D., and Sager, assignors.)
National Pneumatic Company. (See Newkirk, John R., assignor.)
National Supply Company, The. (See Babcock, L. L., and Bishop, assignors.)
Neely, George L., B. B. Farrington, and V. N. Borsoff, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Pretreated bearing surface and producing the same. 2,343,569; Mar. 7.
Nelson, Alden W., Pawtucket, R. I., assignor to Brown and Sharpe Manufacturing Company. Chucking device for use in screw and similar machines. 2,343,570; Mar. 7.
Neuman, Jacob J. (See Lienau, J. H., and Neuman.)
Newkirk, John R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door operator. 2,343,316; Mar. 7.
Nicholl, Hugh J., Humboldt, Tenn. Shoe inner sole. 2,343,790; Mar. 7.
Nicolas, Marcel A., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Bag closure. 2,343,571; Mar. 7.
Nixon, George M., Floral Park, N. Y., assignor to Radio Corporation of America. Binaural translating system. 2,343,471; Mar. 7.
Nolde and Horst Company, The. (See Vogt, J. H. and Simmat, assignors.)
Oberhuber, William F., Lansdowne, Pa., assignor to Combustion Engineering Company, Inc., New York, N. Y. Finely divided fuel burner. 2,343,572; Mar. 7.
O'Dell, John A., Baytown, Tex., assignor to Standard Oil Development Company. Recovery of alkylation acids. 2,343,791; Mar. 7.
Ohio State University, Research Foundation, The. (See Baver, L. D., and Shaw, assignors.)
Okrent, Jasper J., Flushing, N. Y., assignor to Hazeltine Corporation. Carrier-signal frequency detector. 2,343,263; Mar. 7.
Olds, Charles J. (See Bard, F. N. Breitenstein, Olds and Wray.)
Olson, Albert C., South Braintree, Mass. Engraver's compound. 2,343,573; Mar. 7.
Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for governing deaeration. 2,343,317; Mar. 7.
Opie, John, Riverside, Ill. Shearing and punching machine. 2,343,697; Mar. 7.
Osborne, John L., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Lubricating composition. 2,343,831; Mar. 7.
Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Uniflow type coke oven. 2,343,318; Mar. 7.
Overbeck, John E., and S. R. Beitler, Columbus, Ohio. Apparatus for measuring pulsating fluids. 2,343,792; Mar. 7.
Pacific Clay Products Company. (See Benning, Wilbert O., assignor.)
Page, Louis J., assignor to O. Page, Hollis, N. Y. Semi-rimless spectacle. 2,343,574; Mar. 7.
Page, Olive. (See Page, Louis J., assignor.)
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 2,343,319; Mar. 7.
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Core breaking and withdrawing apparatus. 2,343,793; Mar. 7.
Pallas, Leota T. (See Illmer, L., and (Pallas, assignor).)
Pallas, Vernon R. (See Illmer, L., and Pallas.)
Pangborn Corporation. (See Zimmerman, Harry R., assignor.)
Parke, Davis & Company. (See Marker, Russell E. and Crooks, assignor.)
Parker Appliance Company, The. (See Parker, Arthur L., assignor.)
Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Accumulator. 2,343,320; Mar. 7.
Parnell, Frank G., assignor to Automotive Products Company Limited, Leamington Spa, England. Braking system for vehicles. 2,343,698; Mar. 7.
Pascher, Leopold F., Schwelzertal, Germany; vested in the Allen Property Custodian. Typewriting machine. 2,343,321; Mar. 7.
Paulsen, Henry C., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining of mineral oils. 2,343,794; Mar. 7.
Payne, Samuel T. (See Dickinson, E. G., and Payne.)
Pecker, Edwin A. (See Pickens, M. D., and Pecker.)
Pellett, James J., Freehold, N. J., assignor to C. R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Earth moving machine. 2,343,795; Mar. 7.
Penney, Harold F., University Heights, assignor to Red Star Products, Inc., Cleveland, Ohio. Antifriction guideway for reciprocable tool supports. 2,343,575; Mar. 7.
Petersen, Allen P., Hutchinson, Minn. Clamp. 2,343,699; Mar. 7.
Peterson, Edward T., Reading, Pa. Crushing machine. 2,343,322; Mar. 7.
Petit, Laurence A., Chicago, Ill. Carbon pack for manifold typewriters. 2,343,796; Mar. 7.
Phillips, Emery E., Pittsburgh, Pa., assignor to Bocjl Corporation. Carbureting apparatus for internal combustion engines. 2,343,797; Mar. 7.
Phillips Petroleum Company. (See Bergen, Daniel E., assignor.)
Phillips Petroleum Company. (See Carney, Samuel C., assignor.)
Phillips Petroleum Company. (See Garretson, Owen L., assignor.)
Phillips Petroleum Company. (See Thomas, Rosswell W., assignor.)
Pickens, Madison D. (See Beckwith, G. M., and Pickens.)
Pickens, Madison D., and E. A. Pecker, assignors to Machine & Tool Designing Company, Philadelphia, Pa. Shoe. 2,343,700; Mar. 7.
Pickens, Madison D., assignor to Machine & Tool Designing Co., Inc., Philadelphia, Pa. Footwear. 2,343,701; Mar. 7.
Pieper, Oscar H., deceased; Rochester Trust and Safe Deposit Company, Rochester, N. Y., executor. Equipment stand. 2,343,620; Mar. 7.
Pier, Mathias, Heidelberg, and G. Free, Ludwigshafen-on-the-Rhine, Germany; vested in the Allen Property Custodian. Catalytic cracking of hydrocarbons. 2,343,472; Mar. 7.
Pierce, Lawrence, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric switch. 2,343,323; Mar. 7.
Pierson, Harry H., Auburn, N. Y. Compact and portable underwater viewing device. 2,343,473; Mar. 7.
Pilkey, Orrin H., Chicago, Ill., assignor to The Guardite Corporation. Vacuum moistening system. 2,343,324; Mar. 7.
Pinnelli, Donato, Orange, N. J. Automatic safety stop. 2,343,474; Mar. 7.
Pinson, Abraham, Brooklyn, N. Y. Hatch cover. 2,343,833; Mar. 7.
Pinson, Abraham, Brooklyn, and C. V. Mayer, Jackson Heights, N. Y. Portable bleacher. 2,343,832; Mar. 7.
Pittman, Ralph R., Pine Bluff, Ark. Support for electric conductors. 2,343,576; Mar. 7.
Plastic Engineering Corporation. (See Salemme, William C., assignor.)
Platz, Elwood T. (See Frank, W. H., and Platz.)
Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Switch. 2,343,264; Mar. 7.

Podesta, John W., assignor to American Broach & Machine Co., Ann Arbor, Mich. Broaching machine. 2,343,420; Mar. 7.
Poitras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Transmission system. 2,343,386; Mar. 7.
Polaroid Corporation. (See Land, Edwin H., assignor.)
Poorman, John E., Philadelphia, Pa. Grinding machine. 2,343,577; Mar. 7.
Porter, Frederic P., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Torsional vibration damper. 2,343,421; Mar. 7.
Porter, Henry D., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Acylimino pyrazolone couplers. 2,343,702; Mar. 7.
Porter, Henry D., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrazolone coupler for color photography. 2,343,703; Mar. 7.
Porter, Henry D., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Heterocyclic substituted imino-pyrozolone couplers. 2,343,704; Mar. 7.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Screw and washer assembly machine. 2,343,798; Mar. 7.
Powers, Paul O., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Synthetic resin. 2,343,845; Mar. 7.
Pratt, Leonard C. (See Fuge, H. B., and Pratt.)
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine control mechanism. 2,343,265; Mar. 7.
Proctor & Schwartz, Incorporated. (See Franklin, John J., assignor.)
Protectall Motor Signal, Inc. (See Yanchenko, B. J., and Steele, assignors.)
Protecto Products Co. (See Clark, Louis, assignor.)
Purdue Research Foundation. (See Hass, H. B., and Bourland, assignors.)
Pure Oil Company, The. (See Yule, John S., assignor.)
Purolator Products, Inc. (See Wells, D. H., and De Groote, assignors.)
R. Y. P. Mfg. Co. (See Reynolds, Albert G., assignor.)
Rabens, Fred T., St. Paul, assignor of one-half to G. P. Wild, Bald Eagle Lake, Minn. Coin controlled dispensing mechanism. 2,343,578; Mar. 7.
Radabaugh, John M., Mount Vernon, Ohio. Welding tool. 2,343,799; Mar. 7.
Radiart Corporation, The. (See Mace, Arthur T., assignor.)
Radio Corporation of America. (See Gillespie, Henderson C., assignor.)
Radio Corporation of America. (See Herzog, Carl, assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Nixon, George M., assignor.)
Raiche, Paul A., Providence, R. I., assignor to Davol Rubber Company, Pezzer catheter. 2,343,579; Mar. 7.
Rand, James H., Jr., Stamford, assignor to Remington Rand Inc., Buffalo, N. Y. Electric razor. 2,343,705; Mar. 7.
Ranseen, Emil L., Chicago, Ill. Electric impulse motor. 2,343,325; Mar. 7.
Rau, Theodore, Philadelphia, Pa. Fuel feeding control attachment for internal combustion engines. 2,343,580; Mar. 7.
Rauch, John D., Lima, Ohio. Vehicle construction. 2,343,800; Mar. 7.
Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gas blast circuit interrupter. 2,343,422; Mar. 7.
Reagan, Maurice E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relay control system. 2,343,423; Mar. 7.
Reckmeyer, Verne H., Binghamton, N. Y., and A. H. Brunner, Jr., Bel Air, Md., assignors to General Aniline & Film Corporation, New York, N. Y. Aminophenol derivative and photographic developer containing it. 2,343,326; Mar. 7.
Red Star Products, Inc. (See Penney, Harold F., assignor.)
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,343,581; Mar. 7.
Refining, Unincorporated. (See Clayton, Benjamin, assignor.)
Reich, Gustave T., Philadelphia, Pa. Processing materials. 2,343,706; Mar. 7.
Reliance Electric and Engineering Company, The. (See Smith, R. H., Miller, and Dunning, assignors.)
Remington Rand Inc. (See Rand, James H., Jr., assignor.)
Reynolds, Albert G., assignor to R. Y. P. Mfg. Co., Oakland, Calif. Fruit and vegetable juice extractor. 2,343,327; Mar. 7.
Reynolds Metals Company. (See Anderson, Emil, assignor.)
Richmond, Burnell E., San Jose, Calif. Feeder for pressure cookers. 2,343,266; Mar. 7.
Richmond, Harry H., assignor to Electric Steel Foundry Company, Portland, Oreg. Mounting for thermosensitive elements. 2,343,242; Mar. 7.
Ridings, Garvice H. (See Wise, R. J., and Ridings.)
Rippey, John D. (See Baker, Paul, assignor.)
Rist, Clarence G., assignor of one-half to R. T. Rist, St. Paul, Minn. Tire gauge. 2,343,582; Mar. 7.
Rist, Russell T. (See Rist, Clarence G., assignor.)
Robertson, John D., and J. L. Dube, Taunton, Mass.; said Dube assignor, by mesne assignments, to said Robertson. Weft straightening method and apparatus. 2,343,328; Mar. 7.
Robinson, William W., Spokane, Wash. Fluoroscope. 2,343,846; Mar. 7.
Roby, Frank H., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Method and system of motor control and switch operated thereby. 2,343,801; Mar. 7.
Rochester Manufacturing Co. (See Ford, G. E., and Hastings, assignors.)
Rochester Manufacturing Company. (See Ford, G. E., Hastings, and Connolly, assignors.)
Rochester Trust and Safe Deposit Company, executor. (See Pieper, Oscar H.)
Rodney, Carl E., Millet, Alberta, Canada. Gun sight. 2,343,802; Mar. 7.
Roemer, Ralph R., Cleveland, Ohio. Power operated machine tool. 2,343,243; Mar. 7.
Rogers, Frank, Estancia, N. Mex. Harvesting machine. 2,343,583; Mar. 7.
Rolland Glass Company. (See Groghan, Esta C., assignor.)
Roland, John, assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Metering device for screw feeds. 2,343,707; Mar. 7.
Romano, Lawrence P. (See Messinger, Harold L., assignor.)
Roosenstein, Hans O. (See von Baeyer, H. J. R., Roosenstein, and Tischer.)
Rosaire, Esme E. (See Horvitz, Leo, assignor.)
Rose, Henry L., Burlington, Ontario, Canada. Mechanical movement. 2,343,244; Mar. 7.
Roseman, Leo, Newark, N. J. Clamping device for flexible connectors. 2,343,708; Mar. 7.
Rosenthal, William, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 2,343,476; Mar. 7.
Ross, Michael P., Burlington, Wis. Boot sock. 2,343,477; Mar. 7.
Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,343,478; Mar. 7.
Roth, Bert W. (See Unkles, E. H., Roth, and Whitney.)
Rothgarn, Andrew E., Fresna, Calif. Apparatus for dry separation of heavy mineral particles from ore material. 2,343,803; Mar. 7.
Rudaitis, William L., Royal Oak, Mich. Inserted blade milling cutter. 2,343,709; Mar. 7.
Rudolph Wurlitzer Company, The. (See Miller, John A., assignor.)
Russell, Richard D., Toronto, Ontario, Canada. Glider. 2,343,710; Mar. 7.
Rusteberg, August A., Chicago, Ill. Watercraft. 2,343,711; Mar. 7.
Ruthruff, Robert F., Chicago, Ill. Manufacture of diolefines. 2,343,712; Mar. 7.
Ruths, Robert J., Baltimore, Md. Diesel engine. 2,343,329; Mar. 7.
Ryan, Commodore D., and F. P. Sager, Los Angeles, Calif., assignors to National Postal Meter Company, Inc., Rochester, N. Y. Envelope hopper and stripping mechanism for mail treating apparatus. 2,343,479; Mar. 7.
S & W Fine Foods, Inc. (See Carroll, Ellsworth W., assignor.)
Saco-Lowell Shops. (See Jones, R. M., and Burnham, assignors.)
Sager, Frank P. (See Ryan, C. D., and Sager.)
Salemme, William C., assignor to Plastic Engineering Corporation, West Orange, N. J. Spray device. 2,343,804; Mar. 7.
Sanford Mills. (See Swett, Hinkley R., assignor.)
Sansom, Mary L., New York, N. Y. Combined and convertible skirt and bifurcated garment. 2,343,480; Mar. 7.
Sargent, John W., and C. E. Staky, assignors to D. J. Murray Manufacturing Co., Wausau, Wis. Heat transfer unit. 2,343,387; Mar. 7.
Satterlee, Howard A., Cleveland, assignor to The Aro Equipment Corporation, Bryan, Ohio. Pressure switch structure. 2,343,245; Mar. 7.
Saunders, Karl C. (See Allen, H. G., and Saunders.)
Sawyer, Edward E., Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee. Manufacturing resin-bearing fibrous pulp articles. 2,343,330; Mar. 7.
Schaefer, Carl A., Whitefish Bay, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,343,807; Mar. 7.
Schechter, Milton S., and H. L. J. Haller, Washington, D. C. Defrosting and frost prevention. 2,343,246; Mar. 7.

Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Rubber valve. 2,343,584; Mar. 7.

Schlack, Paul, Berlin-Treptow, Germany; vested in the Alien Property Custodian. Nitrogenous condensation products. 2,343,808; Mar. 7.

Schlup, Ernest G. (See Hudson, E. B., and Schlup.)

Schneider, Wilhelm, Dessau, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Subtractive color photography. 2,343,424; Mar. 7.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure system. 2,343,809; Mar. 7.

Schonitzer, Rudolph I., Shaker Heights, Ohio. Combined door-hinging, door-checking, and door-holding device. 2,343,810; Mar 7.

Schott, Rudolph D., Pomona, assignor, by mesne assignments, to Joshua Hendy Iron Works, Sunnyville, Calif. Rubber and plastic water lubricated bearing for vertical turbine pumps. 2,343,585; Mar. 7.

Schufftan, Eugen, New York, assignor of forty-five percent to L. L. Lawrence, Locust Valley, N. Y., ten percent to J. J. Lipow, Los Angeles, Calif., and forty-five percent to himself. Process and apparatus for eliminating graining in photography. 2,343,586; Mar. 7.

Schwitzer-Cummins Company. (See Roland, John, assignor.)

Scofield, Donald W., assignor to Square D Company, Detroit, Mich. Valve. 2,343,806; Mar. 7.

Scott, Kenneth L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Permanent magnet steel. 2,343,481; Mar. 7.

Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber hydrochloride. 2,343,834; Mar. 7.

Scusa, Lino, Phoenix, assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Manufacture of containers and the like. 2,343,331; Mar. 7.

Sebo, Joseph, Pekin, assignor of one-fourth to C. K. Woodin, Chicago, and one-fourth to E. V. Champion and F. J. Lee, Peoria, Ill. Vapor cooling for motors. 2,343,388; Mar. 7.

Seborg, Earnest Y. (See Caldwell, H. J., and Seborg.)

See, Melvin J. (See Bailie, J. C., and See.)

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Pressure core barrel. 2,343,805; Mar. 7.

Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Impact clutch. 2,343,332; Mar. 7.

Sharpe, John S., Haverford, Pa. Mechanical device. 2,343,333; Mar. 7.

Sharpe, John S., Haverford, Pa. Mechanical movement. 2,343,334; Mar. 7.

Shaw, Byron T. (See Baver, L. D., and Shaw.)

Shaw-Walker Company, The. (See Burdick, John S., assignor.)

Sheridan, Hiram W. (See Miller, K. W., and Sheridan.)

Sherman, H. B., Manufacturing Co. (See Doerr, Ray, assignor.)

Shugars, Elmer C., Muskegon, Mich. Precision grinding machine. 2,343,811; Mar. 7.

Siegelbaum, Martin, Jamaica, N. Y. Child's crib cover. 2,343,587; Mar. 7.

Sigmund, Frantisek. (See Wolf, F., and Sigmund.)

Sikora, Francis, Canton, Ohio. Game. 2,343,812; Mar. 7.

Simmat, Eric. (See Vogt, J. H., and Simmat.)

Simon, Lester S., Larchmont, N. Y. Magnetically controlled element. 2,343,813; Mar. 7.

Simonka, Eugene R., Brecksville, assignor to Dunham Company, Berea, Ohio. Tractor operated disk harrow. 2,343,482; Mar. 7.

Simons, John K., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Urea-formaldehyde composition. 2,343,247; Mar. 7.

Singer Manufacturing Company, The. (See Fuge, H. B., and Pratt, assignors.)

Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)

Skinner, Brunhilde W. (See Hussey, James F., assignor.)

Slye, Norman J., and A. S. Krueger, assignors to Alwin Manufacturing Company, Green Bay, Wis. Napkin dispenser. 2,343,814; Mar. 7.

Smith, A. O., Corporation. (See Andrus, Orrin E., assignor.)

Smith, Claude H., Talmadge, and A. J. Gracia, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Compounding rubber. 2,343,835; Mar. 7.

Smith, Harvey J., assignor to W. I. Barker, Danville, Va. Combined display rack, oil saver, and waste can receptacle. 2,343,248; Mar. 7.

Smith, Howard H., Washington, D. C., assignor to Automatic Electric Laboratories, Inc. Rheostat. 2,343,425; Mar. 7.

Smith, Roscoe H., and L. E. Miller, Cleveland, Ohio, and L. M. Dunning, Boston, Mass., assignors to The Reliance Electric and Engineering Company. Electrical control circuit. 2,343,335; Mar. 7.

Snap-on Tools Corporation. (See Larson, K. R., and Walraven, assignors.)

Snyder, Charles R., Miami Beach, Fla. Carburetor. 2,343,815; Mar. 7.

Socony-Vacuum Oil Company. (See White, C. B., and Winkler, assignors.)

Solvay Process Company, The. (See Beckham, Leland J., assignor.)

Solvay Process Company, The. (See Boekhuis, Herman A., Jr., assignor.)

Somes, Howard E., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Heating borings prior to melting. 2,343,336; Mar. 7.

Somes, Howard E., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Apparatus for melting metal. 2,343,337; Mar. 7.

Sommer, Julius V. (See Sparks, W. J., Baldeschwieler, and Sommer.)

Sonoco Products Company. (See Whiting, William S., Jr., assignor.)

Sorenson, Ben E., Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Interpolymers of styrene and the reaction product of maleic esters with relatively nonconjugated drying oils and preparing the same. 2,343,483; Mar. 7.

Sparks, William J., Alexandria, Va., E. L. Baldeschwieler, Cranford, and J. V. Sommer, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Recovery of iso-olefin polymers. 2,343,816; Mar. 7.

Spinello, Matthew, Rockford, Ill. Door lock. 2,343,249; Mar. 7.

Sprouse, Verner E., Columbus, Ind. Hose clamp. 2,343,484; Mar. 7.

Spur, Bernhard, Copenhagen, Denmark, assignor to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Soft-curd milk. 2,343,713; Mar. 7.

Square D Company. (See Roby, Frank H., assignor.)

Square D Company. (See Schaeffer, Carl A., assignor.)

Square D Company. (See Scofield, Donald W., assignor.)

Stahl, William F., Evanston, Ill. Making forms for windings and the like. 2,343,389; Mar. 7.

Staky, Carl E. (See Sargent, J. W., and Staky.)

Standard Oil Company. (See Bailie, J. C., and See, assignors.)

Standard Oil Company, The. (See Burk, Robert E., assignor.)

Standard Oil Company of California. (See Cope, J. Q., and Claussen, assignors.)

Standard Oil Company of California. (See Neely, G. L., Farrington, and Borsoff, assignors.)

Standard Oil Development Company. (See Baskin, Charles M., assignor.)

Standard Oil Development Company. (See Beerbower, A., and Calkins, assignors.)

Standard Oil Development Company. (See Beerbower, A., and Darley, assignors.)

Standard Oil Development Company. (See Gaylor, Peter J., assignor.)

Standard Oil Development Company. (See Hemminger, Charles E., assignor.)

Standard Oil Development Company. (See Lewis, Warren K., assignor.)

Standard Oil Development Company. (See Morris, Kenneth G., assignor.)

Standard Oil Development Company. (See O'Dell, John A., assignor.)

Standard Oil Development Company. (See Paulsen, Henry C., assignor.)

Standard Oil Development Company. (See Sewell, Benjamin W., assignor.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)

Start, Ernest. (See Start, Harry W. and E.)

Start, Harry W., Carlton, and E. Start, Wilford, assignors to George Blackburn and Sons Limited, Nottingham, England. Straight-bar knitting machine. 2,343,485; Mar. 7.

Steel, Van H., Portland, Oreg. Method and means for purifying air. 2,343,338; Mar. 7.

Steele, Harry A. (See Yanchenko, B. J., and Steele.)

Steinle, Leo C., Wimbledon, London, and C. H. Hanwell, Cogenhoe, England. Thread rolling machine. 2,343,588; Mar. 7.

Steinle, Leo E. (See Kirby, W. G., and Steinle.)

Stelzer, William, Detroit, Mich. Hand press for affixing seals. 2,343,339; Mar. 7.

Stepanoff, Alexey J., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Pump. 2,343,486; Mar. 7.

Steudel, Eberhard, Berlin-Dahlem, Germany, assignor to General Electric Company, Schenectady, N. Y. Electron discharge device. 2,343,487; Mar. 7.

Stevens, Robert L., Santa Monica, assignor, by mesne assignments, to Moisture Register Company, Los Angeles County, Calif. Measurement of moisture content in granular materials. 2,343,340; Mar. 7.

Stilson, Herbert A., Chicago, Ill. Animal trap and safety catch therefor. 2,343,589; Mar. 7.

Strosnider, Bush, Ashland, Ky. Door or gate closer. 2,343,817; Mar. 7.

Sullivan Machinery Company. (See Paget, Win W., assignor.)

Sunquist, Herman, Worcester, Mass. Firearm. 2,343,341; Mar. 7.

Swann, Charles E., Glencoe, assignor to Craft Manufacturing Co., Chicago, Ill. Cream dispenser. 2,343,847; Mar. 7.

Sweeley, Everett M., Twin Falls, Idaho. Multimissiled shotgun shell. 2,343,818; Mar. 7.

Swenson, Carl E., Rockford, Ill. Blower. 2,343,714; Mar. 7.

Swett, Hinkley R., assignor to Sanford Mills, Sanford, Maine. Detacking machine for rope fabric. 2,343,267; Mar. 7.

Swindell-Dressler Corporation. (See Brooke, Frank W., assignor.)

Syers, Roland, assignor to F. W. Berk and Company Limited, London, England. Separating sulphur from tar. 2,343,591; Mar. 7.

Sylvania Electric Products Inc. (See McCarthy, Henry J., assignor.)

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,343,342; Mar. 7.

Taggart, Dawson M. (See Bertalan, E., and Taggart.)

Talon, Inc. (See Beckwith, G. M., and Pickens, assignors.)

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Suction cleaning apparatus. 2,343,819; Mar. 7.

Taylor Instrument Companies. (See Olson, Raymond E., assignor.)

Taylor, Kenyon Y., Shelburne, assignor to Millers Falls Company, Greenfield, Mass. Wrapper for hack-saw blades. 2,343,715; Mar. 7.

Tear, James D. (See Poitras, E. J., and Tear.)

Teleregister Corporation, The. (See Haselton, M. L., and Whitney, assignors.)

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,343,343; Mar. 7.

Texas Company, The. (See Barron, Joseph M., assignor.)

Tex-O-Kan Flour Mills Company. (See Findley, Glenn E., assignor.)

Thomas, Rosswell W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Carburetor for higher than normal vapor pressure fuels. 2,343,488; Mar. 7.

Thompson, Russell G., Elmira, N. Y. Projectile. 2,343,344; Mar. 7.

Thornton, George W. (See Thornton, Richard D., assignor.)

Thornton, Richard D., Austin, assignor of one-half to G. W. Thornton, Dallas, Tex. Evaporative cooling unit. 2,343,820; Mar. 7.

Tichauer, Gerhard, Oranjezicht, Cape Town, Cape Province, Union of South Africa. Planimeter. 2,343,821; Mar. 7.

Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Morton Grove, Ill. Hot water heating system. 2,343,856; Mar. 7.

Tilbrook, Gilmore L., Washington, D. C. Rythmeter for determining sterility and fertility. 2,343,592; Mar. 7

Tischer, Friedrich. (See von Baeyer, H. J. R., Roosenstein, and Tischer.)

Tobacco By-Products and Chemical Corporation. (See Arnold, Robert B., assignor.)

Toledo Scale Company. (See Hurt, Samuel N., assignor.)

Toledo Scale Company. (See Williams, Lawrence S., assignor.)

Toscano, Louis P. and T. D., Lynbrook, N. Y. Fiber container. 2,343,716; Mar. 7.

Toscano, Theodore D. (See Toscano, Louis P. and T. D.)

Touton, Rush D., Cynwyd, assignor to Wurton Machine Company, Philadelphia, Pa. Curing green tobacco. 2,343,345; Mar. 7.

Touton, Rush D., Cynwyd, assignor to Wurton Machine Company, Philadelphia, Pa. Apparatus for curing green tobacco. 2,343,346; Mar. 7.

Trans-Lux Ad-News Corporation. (See Unkles, E. H., Roth, and Whitney.)

Traumüller, Herbert, Brooklyn, N. Y. Hinge. 2,343,593; Mar. 7.

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trier Bros. Limited. (See Crothers, Paul F., assignor.)

Tuck, Davis H., Redding Ridge, Conn., assignor to Holophane Company, Inc., New York, N. Y. Lighting system and lighting unit for use therein. 2,343,822; Mar. 7.

Turnau, Henry C., Chicago, Ill. Beverage container. 2,343,717; Mar. 7.

Turner, Charles R., Evanston, Ill. Operation controlling method and means. 2,343,347; Mar. 7.

Turner, Thomas G. (See Kohnle, F., and Turner.)

Tyler, John M., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Vibration suppressing engine mount. 2,343,426; Mar. 7.

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Throttle control. 2,343,718; Mar. 7.

Ulrich, Raymond M., Shelbyville, Ill. Piston resizer. 2,343,719; Mar. 7.

Union Switch & Signal Company, The. (See McCann, R. A., and Lewis, assignors.)

Union Switch & Signal Company, The. (See Miller, Alfred B., assignor.)

United Aircraft Corporation. (See Martin, Erle, assignor.)

United Aircraft Corporation. (See Martin, E., and Beebe, assignors.)

United Aircraft Corporation. (See Tyler, John M., assignor.)

United Plastics Corporation. (See Nast, Leo, assignor.)

United Shoe Machinery Corporation. (See Ushakoff, Alexis E., assignor.)

United States Bung Manufacturing Company, The. (See Lawton, George W., assignor.)

United States Rubber Company. (See Clarkson, Robert J., assignor.)

United States Rubber Company. (See Ebelke, William H., assignor.)

United States Rubber Company. (See Ewart, Roswell H., assignor.)

United States Rubber Company. (See Harkins, Henry H., assignor.)

United States Rubber Company. (See Kirby, W. G., and Elliott, assignors.)

United States Rubber Company. (See Kirby, W. G., and Steinle, assignors.)

United Steel Barrel Company. (See Dodson, Howard W., assignor.)

Universal Oil Products Company. (See Dryer, Charles G., assignor.)

Universal Oil Products Company. (See Egloff, Gustav, assignor.)

Universal Oil Products Company. (See Grosse, A. V., and Morrell, assignors.)

Unkles, Edward H., Weehawken, and B. W. Roth, Interlocken, N. J., and C. S. Whitney, Jr., assignors, by mesne assignments, to Trans-Lux Ad-News Corporation, New York, N. Y. Sign control and system. 2,343,594; Mar. 7.

Ushakoff, Alexis E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stiffening shoes. 2,343,390; Mar. 7.

V. Füner, Wilhelm. (See Free, G., and v. Füner.)

Van Dam, Alexis. (See Horowitz, A., and van Dam.)

Van Norde, Peter, Summit, assignor to Irvington Varnish & Insulator Co., Irvington, N. J. Sheet material slitting and winding machine. 2,343,720; Mar. 7.

Van Sittert, Paul, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Portable tool. 2,343,595; Mar. 7.

Van Sittert, Paul, Shaker Heights, and A. J. Lev, Garfield Heights, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Nut setter. 2,343,596; Mar. 7.

Van Tuyl, Sidney E., Riverside, assignor to American Tag Company, Chicago, Ill. Tag marking machine. 2,343,721; Mar. 7.

Vickers, Incorporated. (See Herman, Kenneth R., assignor.)

Victor Metal Products Corporation. (See Apfelbaum, Huna/L., assignor.)

Vittum, Paul W. (See Porter, H. D., Vittum, and Weissberger.)

Vogt, John H., Sheerlund, and E. Simmat, Wyomissing Hills, assignors to The Nolde and Horst Company, Reading, Pa. Leg band for holding down body garments. 2,343,823; Mar. 7.

Vollé, Norbert H., assignor to The Kroger Food Foundation, Cincinnati, Ohio. Brain obtention. 2,343,250; Mar. 7.

Von Baeyer, Hans J. R., H. O. Roosenstein, and F. Tischer, Berlin, Germany; vested in the Alien Property Custodian. Transmission line. 2,343,475; Mar. 7.

Wachowitz, Walter J., Waukesha, Wis. Reamer. 2,343,824; Mar. 7.

Wachsman, David, Brooklyn, N. Y. Vise. 2,343,391; Mar. 7.

Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Load support. 2,343,597; Mar. 7.

Wagner Electric Corporation. (See Schnell, Steve, assignor.)

Wagner, Lacey A., St. Louis County, assignor to Missouri Portland Cement Co., St. Louis, Mo. Feed control device. 2,343,722; Mar. 7.

Wagner, Willys P., Franklin, assignor to Ford Motor Company, Dearborn, Mich. Lamp. 2,343,598; Mar. 7.

Wahl, Nicolas, New York, N. Y. Making separable fasteners. 2,343,348; Mar. 7.

Wahl, Nicolas, New York, N. Y. Separable fastener. 2,343,349; Mar. 7.

Wallace, James M., North Braddock, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,343,723; Mar. 7.

Wallace, Roger W. (See Fairbanks, H. N., and Wallace.)

Walraven, George M. (See Larson, K. R., and Walraven.)

Walsh, Basil J. (See Hannay, W. H., and Walsh.)

Walsh, Raymond. (See Fairley, F., and Walsh.)

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Automatic tamale forming and wrapping machine. 2,343,599; Mar. 7.

Walter, Frederick R., administrator. (See Conradson, Conrad M.)

Warren, Walter F., Hermosa Beach, Calif., assignor, by mesne assignments, to Cooper Aircraft Mooring Co. Anchor. 2,343,350; Mar. 7.

Waterman, John. (See Hincke, W. B., and Waterman.)

Weber, William C., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Multitray clarification. 2,343,836; Mar. 7.

Wedler, Frederick C., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for modifying textile fabrics. 2,343,351; Mar. 7.

Weiler, Edward G., Columbus, Ohio. Coin selector for coin controlled machines. 2,343,352; Mar. 7.

Weimann, Alfred F., Shelton, Conn., assignor to Barber Asphalt Corporation, Barber, N. J. Saturation of fibrous material. 2,343,600; Mar. 7.

Weimann, Alfred F., Shelton, Conn., assignor to Barber Asphalt Corporation, Barber, N. J. Apparatus for saturation of fibrous material. 2,343,601; Mar. 7.

Weissberger, Arnold. (See Porter, H. D., Vittum, and Weissberger.)

Weissberger, Arnold. (See Porter, H. D., and Weissberger.)

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,427; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,428; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,429; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,430; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,431; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,432; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,433; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,434; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,435; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,436; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,437; Mar. 7.

Wells, Donald H., Maplewood, N. J., and M. De Groote, University City, Mo., assignors to Purolator Products, Inc., Newark, N. J. Filter. 2,343,438; Mar. 7.

West, Brennan B. (See Milestone, W. E., and West.)

Western Electric Company. (See Bertalan, E., and Taggart, assignors.)

Western Electric Company. (See Knaus, P. J., and Larsen, assignors.)

Western Electric Company. (See Malhiot, Eugene L., assignor.)

Western Electric Company. (See Martindell, Frank, asasignor.)

Western Electric Company. (See Scott, Kenneth L., assignor.)

Western Union Telegraph Company, The. (See Holcomb, Philo, Jr., assignor.)

Western Union Telegraph Company, The. (See Wise, R. J., and Ridings, assignors.)

Westinghouse Air Brake Company, The. (See Glass, William H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bartolett, William H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Breckenridge, Frank, assignor.)

Westinghouse Electric & Manufacturing Company. (See Horst, Julius, assignor.)

Westinghouse Electric & Manufacturing Company. (See Immel, Ralph B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Pierce, Lawrence, assignor.)

Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Taylor, Charles H., assignor.

Westinghouse Electric & Manufacturing Company. (See Wallace, James M., assignor.)

Westmaas, Rupert H. D., Georgetown, Demerara, British Guiana. Amusement device. 2,343,489; Mar. 7.

Wheatley, George, Imlay City, Mich., assignor to The General Tire & Rubber Company, Akron, Ohio. Retreading tires. 2,343,724; Mar. 7.

Wheeler, Henry F., assignor of one-half to A. E. Gross, Richmond Heights, Mo. Wiping attachment for phonographs. 2,343,837; Mar. 7.

Wheeler, John N., Hawthorne, assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,343,268; Mar. 7.

White, Charles B., Bronxville, and J. Winkler, Brooklyn, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Opener for containers. 2,343,602; Mar. 7.

White, Gerald, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in tempering glass. 2,343,490; Mar. 7.

Whiting Corporation. (See Bock, George E., assignor.)

Whiting Corporation. (See Brown, Arthur J., assignor.)

Whiting, William S., Jr., assignor to Sonoco Products Company, Hartsville, S. C. Woodworking machine. 2,343,603; Mar. 7.

Whitney, Charles S., Jr. (See Haselton, M. L., and Whitney.)

Whitney, Charles S., Jr. (See Unkles, E. H., Roth, and Whitney.)

Whitten, James L., Rocky River, Ohio, assignor to The Brown Instrument Company, Philadelphia, Pa. Strip mill control. 2,343,392; Mar. 7.

Wild, George P. (See Rabens, Fred T., assignor.)

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Projection system. 2,343,621; Mar. 7.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,343,622; Mar. 7.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,343,623; Mar. 7.

Wilson, Ira I., Warren, Ohio. Cleaning tool. 2,343,604; Mar. 7.

Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Color-television signal-translating stage. 2,343,825; Mar. 7.

Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Transformer. 2,343,725; Mar. 7.

Wilson-Jones Company. (See Janovsky, Rudolph, assignor.)

Wilson, Melvin A., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Filling tires one hundred per cent with water. 2,343,838; Mar. 7.

Wingfoot Corporation. (See Burkley, Clement J., assignor.)

Wingfoot Corporation. (See Lichty, Joy G., assignor.)

Wingfoot Corporation. (See Scott, Winfield, assignor.)

Wingfoot Corporation. (See Smith, C. H., and Gracia, assignors.)

Wingfoot Corporation. (See Wilson, Melvin A., assignor.)

Winkler, Jack. (See White, C. B., and Winkler.)

Wise, Raleigh J., Dunellen, and G. H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. System and apparatus for facsimile telegraphy. 2,343,353; Mar. 7.

Wise, Solomon, Cleveland, Ohio. Lock type fuel tank filling cap. 2,343,605; Mar. 7.

Wisk, Walter, West Cromwell, Conn. Multimotor single propeller airplane. 2,343,606; Mar. 7.

Witt, Milton T., Buffalo, N. Y. Oar. 2,343,726; Mar. 7.

Wolf, Frederick, Cleveland, Ohio, and F. Sigmund, New York, N. Y., assignors to The Lake Erie Chemical Company. Electric motor. 2,343,354; Mar. 7.

Wood, Winfield. (See Hollister, J. C., and Wood.)

Woodin, Charles K. (See Sebo, Joseph, assignor.)

Wray, Lawrence A. (See Bard, F. N., Breitenstein, Olds, and Wray.)

Wrigley, Florence E., Woodstock, Ill. Foundation garment. 2,343,607; Mar. 7.

Wurton Machine Company. (See Touton, Rush D., assignor.)

Yanchenko, Basil J., and H. A. Steele, assignors to Protectall Motor Signal, Inc., Syracuse, N. Y. Turn signal switch. 2,343,355; Mar. 7.

Youngstown Steel Door Company, The. (See Beauchamp, Wilfred A., assignor.)

Yule, John S., assignor to The Pure Oil Company, Chicago, Ill. Lubricating oil composition and oil additive. 2,343,608; Mar. 7.

Zalkind, Philip, New York, N. Y. Collapsible drawer—sagless bottom. 2,343,356; Mar. 7.

Zenner, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Vaporizing device. 2,343,727; Mar. 7.

Zimmerman, Harry R., assignor to Pangborn Corporation, Hagerstown, Md. Abrasive removing apparatus. 2,343,357. Mar. 7.

Zinke, Aloise. (See Honel, H., and Zinke.)

Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presserfoot for sewing machines. 2,343,609; Mar. 7.

Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-folding attachment for sewing machines. 2,343,624; Mar. 7.

Zuck, Victor I., South Haven, Mich., assignor to Everett Piano Company. Electric instrument. 2,343,728; Mar. 7.

Zyerveld, Jack H. (See McLaughlin, B. S., Jr., and Zyerveld.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Carbon black and making same. W. B. Wiegand and L. J. Venuto. Re. 22,454; Mar. 7.

Control mechanism. C. A. Brewer. Re. 22,451; Mar. 7.

Iron, Making powdered. F. O. Clements, R. H. Terry, and D. J. Henry. Re. 22,452; Mar. 7.

Printing telegraph apparatus. A. H. Reiber. Re. 22,453; Mar. 7.

LIST OF DESIGN INVENTIONS

Apron. Joseph and Jack Nachman. 137,425–8; Mar. 7.

Apron. S. Vogel. 137,433; Mar. 7.

Brooch or similar article. D. E. Chesebro. 137,406; Mar. 7.

Cap. C. L. Scott, H. Shelby, M. Carney, and G. Meloche. 137,429; Mar. 7.

Chessmen, Set of. R. Kunen. 137,419; Mar. 7.

Dial for a timepiece. L. Y. Booharin. 137,404; Mar. 7.

Dress. G. J. Pollack. 137,432; Mar. 7.

Game board. K. W. White. 137,424; Mar. 7.

Game device. C. L. Myers. 137,420; Mar. 7.

Grave marker. J. Rasmussen. 137,421; Mar. 7.

Handbag. I. Pichel. 137,431; Mar. 7.

Knife, Hunting. O. C. Naugle. 137,410; Mar. 7.

Mending machine, Fabric patch. E. N. Simmons. 137,402; Mar. 7.

Ornament or similar article, Lapel. C. Wandt. 137,422; Mar. 7.

Pin or similar article, Picture carrying. G. Peyrot. 137,411; Mar. 7.

Razor and blade sharpener. Combination. S. W. Ford. 137,407; Mar. 7.

Ring, Finger. J. Granat. 137,409; Mar. 7.

Ring or similar article of jewelry. C. Barnique. 137,403; Mar. 7.

Scissors. C. R. Storz. 137,412; Mar. 7.

Sine bar. E. G. Baker. 137,417; Mar. 7.

Suit. A. Gruber. 137,430; Mar. 7.

Tool, Compound. Ernest T. Frisk. 137,408; Mar. 7.

Tool, Marine cable. W. Tomsick. 137,414; Mar. 7.

Toy. J. C. Wegertseder. 137,423; Mar. 7.

Trimming or the like, Embroidered. J. Wiener. 137,415–16; Mar. 7.

Wallpaper border or similar article. W. Burton. 137,405; Mar. 7.

Washing machine casing or similar article. P. E. Geldhof. 137,418; Mar. 7.

Work holder, V-block. E. E. Tatro. 137,413; Mar. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive removing apparatus. H. R. Zimmerman. 2,343,357; Mar. 7.
Accounting machine. A. H. Dickinson. 2,343,370; Mar. 7.
Accumulator. A. L. Parker. 2,343,320; Mar. 7.
Acid, Concentrating weak nitric. H. A. Beekhuis, Jr. 2,343,635; Mar. 7.
Adhesive composition. H. H. Harkins. 2,343,551; Mar. 7.
Adipic acid, Preparation of. R. M. Cavanaugh and W. M. Nagle. 2,343,534; Mar. 7.
Air circulating means for refrigerator cars. C. D. Bonsall. 2,343,395; Mar. 7.
Air conditioning control system. W. L. McGrath. 2,343,467; Mar. 7.
Air, Purifying. V. H. Steel. 2,343,338; Mar. 7.
Airplane, Folding wing. E. G. Dickinson and S. T. Payne. 2,343,645; Mar. 7.
Allphatic aminoacyl compound and preparing the same. H. W. Gray. 2,343,769; Mar. 7.
Alkylation acids, Recovery of. J. A. O'Dell. 2,343,791; Mar. 7.
Alloy: *See*—
Ferrous alloy.
Aminophenol derivative and photographic developer containing it. V. H. Reckmeyer, and A. H. Brunner, Jr. 2,343,326; Mar. 7.
Amusement device. R. H. D. Westmaas. 2,343,489; Mar. 7.
Anchor. W. F. Warren. 2,343,350; Mar. 7.
Antenna. A. T. Mace. 2,343,684; Mar. 7.
Antidrip device. F. S. Elsaesser. 2,343,287; Mar. 7.
Antifriction guideway for reciprocable tool supports. H. F. Penney. 2,343,575; Mar. 7.
Antislipping device for use on either shoes or overshoes, detachable. M. L. Georgopoulos. 2,343,373; Mar. 7.
Apparatus for curing green tobacco. R. D. Touton. 2,343,346; Mar. 7.
Apparatus for doubling and twisting thread. H. B. Kline. 2,343,299; Mar. 7.
Apparatus for dry separation of heavy mineral particles from ore material. A. E. Rothgarn. 2,343,803; Mar. 7.
Apparatus for governing deneration. R. E. Olson. 2,343,317; Mar. 7.
Apparatus for measuring pulsating fluids. J. E. Overbeck and S. R. Beitler. 2,343,792; Mar. 7.
Apparatus for melting metal. H. E. Somes. 2,343,337; Mar. 7.
Apparatus for pressing shirts and the like. H. D. Forse. 2,343,289; Mar. 7.
Apparatus for saturation of fibrous material. A. F. Weimann. 2,343,601; Mar. 7.
Apparatus for subjective refraction of the eyes. M. Luckiesh and F. K. Moss. 2,343,783; Mar. 7.
Apparatus for use in tempering glass. G. White. 2,343,490; Mar. 7.
Aquatic amusement apparatus. H. F. Maynes. 2,343,313; Mar. 7.
Aromatics, sulphur, or unsaturates from hydrocarbons, Removal of. R. E. Burk. 2,343,841; Mar. 7.
Article feeding device. I. M. Anderson. 2,343,515; Mar. 7.
Article forming apparatus. E. L. Malhiot. 2,343,466; Mar. 7.
Articles from thermoplastic material, Producing. D. T. Manning and W. T. Manning, Jr. 2,343,238; Mar. 7.
Asphalts, Improving quality of oxidized. K. G. Morris. 2,343,789; Mar. 7.
Attachment plug. M. G. Heiser and W. C. Gilbert. 2,343,664; Mar. 7.
Automatic control means for maintaining constant liquid levels. E. C. Groghan. 2,343,549; Mar. 7.
Automobile jack. J. E. Hines. 2,343,459; Mar. 7.
Automotive drive. C. G. Miller. 2,343,469; Mar. 7.
Back assembly for composite metal and wood chairs. J. S. Burdick. 2,343,494; Mar. 7.
Bag closure. M. A. Nicolas. 2,343,571; Mar. 7.
Bag filling machine. H. G. Allen and K. C. Saunders. 2,343,439; Mar. 7.
Band, Garment supporting. J. F. Hargreaves. 2,343,374; Mar. 7.
Barrel, Pressure core. B. W. Sewell. 2,343,805; Mar. 7.
Bearing surface and producing the same, Pretreated. G. L. Neely, B. B. Farrington and V. N. Borsoff. 2,343,569; Mar. 7.
Bed, Sofa. R. A. Burton. 2,343,642; Mar. 7.
Bending brake. L. L. Babcock and J. O. Bishop. 2,343,441; Mar. 7.

Beverage container. H. C. Turnau. 2,343,717; Mar. 7.
Bilge pump. S. E. Aaron. 2,343,269; Mar. 7.
Billets, Making composite. C. W. Holmquist. 2,343,771; Mar. 7.
Binaural translating system. G. M. Nixon. 2,343,471; Mar. 7.
Bituminous waterproofing material. C. M. Baskin. 2,343,735; Mar. 7.
Blade, Windshield wiper. E. C. Horton. 2,343,843; Mar. 7.
Blanks for producing containers such as metallic cartridge cases or the like, Preparing. W. R. Clark. 2,343,253; Mar. 7.
Bleacher, Portable. A. Pinson and C. V. Mayer. 2,343,832; Mar. 7.
Blood-separating machine for serum production. E. E. Mitchum. 2,343,694; Mar. 7.
Blower. C. E. Swenson. 2,343,714; Mar. 7.
Borings prior to melting, Heating. H. E. Somes. 2,343,336; Mar. 7.
Brain obtention. N. H. Vollé. 2,343,250; Mar. 7.
Brake: *See*—
Bending brake. Railway brake.
Brake beam structure. L. Kadar. 2,343,673; Mar. 7.
Brake mechanism. H. F. Kolb. 2,343,510; Mar. 7.
Brake signal. O. J. Blomberg and H. A. Eklind. 2,343,394; Mar. 7.
Braking system for vehicles. F. G. Parnell. 2,343,698; Mar. 7.
Brassière. W. Rosenthal. 2,343,476; Mar. 7.
Broaching machine. J. W. Podesta. 2,343,420; Mar. 7.
Brush assembly for dynamo electric machines. H. B. Fuge and L. C. Pratt. 2,343,546; Mar. 7.
Building construction. R. B. Fuller. 2,343,764; Mar. 7.
Burner: *See*—
Finely divided fuel burner.
Bush for metal barrels. G. W. Lawton. 2,343,618; Mar. 7.
Cabinet: *See*—
Filing cabinet.
Cabinet for hairdresser's chairs. N. Beckett. 2,343,493; Mar. 7.
Calculating machine. H. T. Avery. 2,343,273; Mar. 7.
Calculating machine. J. L. Moody. 2,343,241; Mar. 7.
Calculating means. W. E. Milestone and B. B. West. 2,343,385; Mar. 7.
Camera exposure control. J. Mihalyi. 2,343,690; Mar. 7.
Cap: *See*—
Dropper and pourer cap.
Lock type fuel tank filling cap.
Car door mechanism. W. A. Beauchamp. 2,343,361; Mar. 7.
Carbon pack for manifold typewriters. L. A. Petit. 2,343,796; Mar. 7.
Carbureting apparatus for internal combustion engines. E. E. Phillips. 2,343,797; Mar. 7.
Carburetor. C. R. Snyder. 2,343,815; Mar. 7.
Carburetor for higher than normal vapor pressure fuels. R. W. Thomas. 2,343,488; Mar. 7.
Carburetor. Variable fuel orifice. O. L. Garretson. 2,343,451; Mar. 7.
Carrier-signal frequency detector. J. J. Okrent. 2,343,263; Mar. 7.
Carton, Pouring. F. C. Morgenroth. 2,343,857; Mar. 7.
Case: *See*—
Traveling case.
Catheter, Pezzer. P. A. Raiche. 2,343,579; Mar. 7.
Chair. S. J. Gedris. 2,343,505; Mar. 7.
Channel cutter attachment for stitching machines. J. Ferrara. 2,343,501; Mar. 7.
Chemical process. C. E. Hemminger. 2,343,770; Mar. 7.
Child's crib cover. M. Siegelbaum. 2,343,587; Mar. 7.
Chucking devices for use in screw and similar machines. A. W. Nelson. 2,343,570; Mar. 7.
Cigarette making machine. D. W. Molins and C. Best. 2,343,240; Mar. 7.
Circuit: *See*—
Electrical control circuit.
Circuit breaker locking device. H. C. Graves, Jr. 2,343,548; Mar. 7.
Circuit interrupter. J. Horst. 2,343,376; Mar. 7.
Circuit interrupter. R. B. Immel. 2,343,412; Mar. 7.
Circuit interrupter. J. M. Wallace. 2,343,723; Mar. 7.
Clamp. A. P. Petersen. 2,343,699; Mar. 7.

Clamp: *See*—
Hose clamp.
Clamping device for flexible connectors. L. Roseman. 2,343,708; Mar. 7.
Clamping socket attachment. C. M. Blodgett. 2,343,525; Mar. 7.
Cleaning apparatus. F. Breckenridge. 2,343,743; Mar. 7.
Cleaning tool. I. I. Wilson. 2,343,604; Mar. 7.
Cleansing and polishing medium for dentifrices or the like. G. T. Fielding. 2,343,651; Mar. 7.
Clock. E. M. Goldsmith, Jr. 2,343,613; Mar. 7.
Closer, Door or gate. B. Strosnider. 2,343,817; Mar. 7.
Closure for bags. D. F. Larkin. 2,343,678; Mar. 7.
Closure for sheet-metal container openings. H. W. Dodson. 2,343,286; Mar. 7.
Clutch: *See*—
Impact clutch.
Coaster. J. F. McCabe. 2,343,563; Mar. 7.
Coin selector for coin controlled machines. E. G. Weiler. 2,343,352; Mar. 7.
Collapsible drawer—sagless bottom. P. Zalkind. 2,343,356; Mar. 7.
Collector for endless belt conveyers, Siftings. J. J. Franklin. 2,343,762; Mar. 7.
Color-television signal-translating stage. J. C. Wilson. 2,343,825; Mar. 7.
Combined transmission and auxiliary. T. Backus. 2,343,733; Mar. 7.
Communication apparatus. C. R. Doty. 2,343,405; Mar. 7.
Comminuting machine, Fruit and vegetable. E. Lohmann. 2,343,310; Mar. 7.
Compact and portable underwater viewing device. H. H. Pierson. 2,343,473; Mar. 7.
Compound, Engraver's. A. C. Olson. 2,343,573; Mar. 7.
Condensation of mononitroalkanes and aliphatic ketones. H. B. Hass and J. F. Bourland. 2,343,256; Mar. 7.
Condiment holder. F. G. Barber. 2,343,734; Mar. 7.
Conduit coupling device. M. P. Dougherty. 2,343,755; Mar. 7.
Container: *See*—
Beverage container. Fiber container.
Container and making same. D. E. Grove. 2,343,550; Mar. 7.
Container and support therefor. B. D. Goldberg. 2,343,409; Mar. 7.
Containers, Opener for. C. B. White and J. Winkler. 2,343,602; Mar. 7.
Control circuit for electric valve apparatus. E. F. W. Alexanderson. 2,343,628; Mar. 7.
Control system. J. Eaton. 2,343,648; Mar. 7.
Controlling system, Centralized traffic. R. A. McCann and L. V. Lewis. 2,343,784; Mar. 7.
Cooling unit, Evaporative. R. D. Thornton. 2,343,820; Mar. 7.
Copper-lead drosses and the like, Smelting. E. P. Fleming and D. H. McIntosh. 2,343,761; Mar. 7.
Core breaking and withdrawing apparatus. W. W. Paget. 2,343,793; Mar. 7.
Coupler for color photography, Pyrazolone. H. D. Porter and A. Weissberger. 2,343,703; Mar. 7.
Coupler, Heterocyclic substituted imino-pyrazolone. H. D. Porter, P. W. Vittum, and A. Weissberger. 2,343,704; Mar. 7.
Couplers, Acylimino pyrazolone. H. D. Porter and A. Weissberger. 2,343,702; Mar. 7.
Coupling: *See*—
Flexible coupling. Fluid coupling.
Cover: *See*—
Child's crib cover. Mattress cover.
Hatch cover.
Cowling. F. E. Flader and D. R. Berlin. 2,343,655; Mar. 7.
Cream dispenser. C. E. Swann. 2,343,847; Mar. 7.
Crushing machine. E. T. Peterson. 2,343,322; Mar. 7.
Current collecting apparatus. G. A. Mitchell. 2,343,693; Mar. 7.
Current supply system. O. D. Grandstaff, T. W. Gilman, and R. H. Herrick. 2,343,411; Mar. 7.
Cutter: *See*—
Gear cutter.
Inserted blade milling cutter.
Defrosting and frost prevention. M. S. Schechter and H. L. J. Haller. 2,343,246; Mar. 7.
Destructible form. L. L. Greneker. 2,343,292; Mar. 7.
Detachable drill bits from drill rods, Removing. E. and R. Craig. 2,343,445; Mar. 7.
Detacking machine for rope fabric. H. R. Swett. 2,343,267; Mar. 7.
Device for inflating balloons and the like. A. W. Carlson. 2,343,276; Mar. 7.
Diesel engine. R. J. Ruths. 2,343,329; Mar. 7.
Diolefines, Manufacture of. R. F. Ruthruff. 2,343,712; Mar. 7.
Diolefins, Preparation. J. G. Lichty. 2,343,830; Mar. 7.
Direct current amplifier stage. N. P. Case. 2,343,745; Mar. 7.
Direction indicator. H. M. Leonard. 2,343,778; Mar. 7.
Dispensing mechanism, Coin controlled. F. T. Rabens. 2,343,578; Mar. 7.
Dispenser: *See*—
Cream dispenser. Napkin dispenser.
Display rack, oil saver, and waste can receptacle, Combined. H. J. Smith. 2,343,248; Mar. 7.
Distributor, Fertilizer. H. J. Kuhlman. 2,343,303; Mar. 7.
Domestic appliance. D. K. Ferris. 2,343,543–44; Mar. 7.
Domestic water heater. O. E. Andrus. 2,343,440; Mar. 7.
Door-hinging, door-checking, and door-holding device, Combined. R. I. Schonitzer. 2,343,810; Mar. 7.
Door lock. M. Spinello. 2,343,249; Mar. 7.
Door operator. J. R. Newkirk. 2,343,316; Mar. 7.
Double casing pump. V. S. Lobanoff. 2,343,511; Mar. 7.
Drawing mechanism for spinning and roving frames. R. M. Jones and V. A. Burnham. 2,343,259; Mar. 7.
Drilling apparatus. W. W. Paget. 2,343,319; Mar. 7.
Drive mechanism for strippers of carding machines. W. Q. Martin. 2,343,787; Mar. 7.
Dropper and pourer cap. H. L. Apfelbaum. 2,343,610; Mar. 7.
Drying rack. C. A. Fox. 2,343,657; Mar. 7.
Earth moving machine. J. J. Pellett. 2,342,795; Mar. 7.
Electric arc furnace. F. W. Brooke. 2,343,443; Mar. 7.
Electric control apparatus. H. F. Elliott. 2,343,540; Mar. 7.
Electric discharge lamp starting device. H. J. McCarthy. 2,343,262; Mar. 7.
Electric eraser. J. H. McElroy and F. W. Kalkhuis. 2,343,237; Mar. 7.
Electric fence. S. G. Klumb. 2,343,300; Mar. 7.
Electric impulse motor. E. L. Ranseen. 2,343,325; Mar. 7.
Electric lighting device. P. Baker. 2,343,518; Mar. 7.
Electric motor. F. Wolf and F. Sigmund. 2,343,354; Mar. 7.
Electric razor. J. H. Rand, Jr. 2,343,705; Mar. 7.
Electric signaling system. F. Fairley and R. Walsh. 2,343,759; Mar. 7.
Electric switch. L. Pierce. 2,343,323; Mar. 7.
Electric switch. C. A. Schaefer. 2,343,807; Mar. 7.
Electric switch and indicating mechanism. G. E. Ford, W. W. Hastings, and W. B. Connolly. 2,343,545; Mar. 7.
Electric welding machine. F. Martindell. 2,343,686–7; Mar. 7.
Electrical control circuit. R. H. Smith, L. E. Miller, and L. M. Dunning. 2,343,335; Mar. 7.
Electrical heating apparatus. H. C. Gillespie. 2,343,453; Mar. 7.
Electrical instrument. V. I. Zuck. 2,343,728; Mar. 7.
Electrical transformer apparatus. C. P. Boucher. 2,343,365; Mar. 7.
Electron discharge device. E. Steudel. 2,343,487; Mar. 7.
Electronic commutators, Signaling with. O. T. Francis. 2,343,290; Mar. 7.
Electro-optical signaling. L. W. Morrison, Jr. 2,343,568; Mar. 7.
Elevation post, Size compensating. S. C. Miller. 2,343,691; Mar. 7.
Eliminating graining in photography, Process and apparatus for. E. Schufftan. 2,343,586; Mar. 7.
Emergency and signaling outfit. L. Armstrong. 2,343,272; Mar. 7.
Emergency exit door lock. C. A. Balch. 2,343,519; Mar. 7.
Emulsion, Photographic. G. E. Fallesen. 2,343,650; Mar. 7.
Engine: *See*—
Diesel engine.
Engine. M. A. Coburn. 2,343,748; Mar. 7.
Engine control mechanism. E. R. Price. 2,343,265; Mar. 7.
Envelope hopper and stripping mechanism for mail treating apparatus. C. D. Ryan and F. P. Sager. 2,343,479; Mar. 7.
Equipment stand. O. H. Pieper. 2,343,620; Mar. 7.
Exposure guide for photographic cameras, particularly aerial cameras. E. S. Hineline. 2,343,257; Mar. 7.
Extractor: *See*—
Fruit and vegetable juice extractor. Heat extractor.
Fabric: *See*—
Laminated fabric.
Fabric and dress ornamentation, and product thereof, Making. W. J. Harpham. 2,343,614; Mar. 7.
Fastener: *See*—
Paper fastener. Temporary fastener.
Separable fastener.
Fasteners, Making separable. N. Wahl. 2,343,348; Mar. 7.
Fastening device, Adjustable. G. M. Beckwith and M. D. Pickens. 2,343,826; Mar. 7.
Fastening devices, Making adjustable. G. M. Beckwith and M. D. Pickens. 2,343,827; Mar. 7.
Faucet attachment. F. Klein. 2,343,774; Mar. 7.
Feed control device. L. A. Wagner. 2,343,722; Mar. 7.
Feeder. W. O. Benning. 2,343,521; Mar. 7.
Feeder for automatic screw machines. W. H. Bochenek. 2,343,364; Mar. 7.
Feeder for pressure cookers. B. E. Richmond. 2,343,266; Mar. 7.

Ferrous alloy. A. T. Cape and C. V. Foerster. 2,343,643; Mar. 7.
Fiber container. L. P. and T. D. Toscano. 2,343,716; Mar. 7.
Fibrous material, Saturation of. A. F. Weimann. 2,343,600; Mar. 7.
Fibrous sheet covered plywood. D. G. Birmingham. 2,343,740; Mar. 7.
File, Rotary index. W. Cory. 2,343,280; Mar. 7.
Files, Method and apparatus for cutting. A. Anheuser. 2,343,271; Mer. 7.
Filing cabinet. J. A. Miller. 2,343,692; Mar. 7.
Filter: *See*—
Oil filter.
Filter. D. H. Wells and M. De Groote. 2,343,427–38; Mar. 7.
Finely divided fuel burner. W. F. Oberhuber. 2,343,572; Mar. 7.
Firearm. H. Sundquist. 2,343,341; Mar. 7.
Fire extinguisher and sprayer, Knapsack. G. E. Bullock. 2,343,400; Mar. 7.
Flexible coupling. H. M. Austin. 2,343,839; Mar. 7.
Flotation machine. T. S. Bailey, Jr., A. C. Daman, and L. H. Logue. 2,343,274; Mar. 7.
Flour mill. L. E. Egedal. 2,343,757; Mar. 7.
Flour, Treating wheaten. G. E. Findley. 2,343,652; Mar. 7.
Fluid coupling. C. L. Martin. 2,343,786; Mar. 7.
Fluid pressure actuated motor. F. G. and W. M. Folberth. 2,343,656; Mar. 7.
Fluid pressure motor. W. H. Glass. 2,343,661; Mar. 7.
Fluid pressure system. S. Schnell. 2,343,809; Mar. 7.
Fluids, Distributor for. H. Klein, O. Hemmann, R. Keinke, O. Hofmann, and W. Boehmer. 2,343,560; Mar. 7.
Fluoro-halogeno compounds. A. F. Benning. 2,343,252; Mar. 7.
Fluoroscope. W. W. Robinson. 2,343,846; Mar. 7.
Fluosilicates to latex, Addition of. R. H. Ewart. 2,343,541; Mar. 7.
Food or like pump. D. W. Bingham. 2,343,523; Mar. 7.
Folding table. W. P. DeSaussure. 2,343,537; Mar. 7.
Footrest, Adjustable. A. F. Lo Curto. 2,343,681; Mar. 7.
Footwear. M. D. Pickens. 2,343,701; Mar. 7.
Forging machine. W. W. Criley. 2,343,403; Mar. 7.
Forms for windings and the like. W. F. Stahl. 2,343,389; Mar. 7.
Frequency measuring device. C. F. Baldwin. 2,343,633; Mar. 7.
Fruit and vegetable juice extractor. A. G. Reynolds. 2,343,327; Mar. 7.
Fruit orienting and pitting machine, single stage. E. W. Carroll. 2,343,496; Mar. 7.
Fruits and vegetables, Obtaining high lustre upon and preservation of. J. F. Hussey. 2,343,258; Mar. 7.
Fuel feeding control attachment for internal combustion engines. T. Rau. 2,343,580; Mar. 7.
Fuel, Modified. P. J. Gaylor. 2,343,766; Mar. 7.
Fuel proportioning arrangement. O. L. Garretson. 2,343,765; Mar. 7.
Furnace: *See*—
Electric arc furnace.
Fuse. F. C. La Mar. 2,343,676–7; Mar. 7.
Game. H. M. Hay. 2,343,506; Mar. 7.
Game. F. Sikora. 2,343,812; Mar. 7.
Garment, Foundation. F. E. Wrigley. 2,343,607; Mar. 7.
Gas blast circuit interrupter. H. L. Rawlins. 2,343,422; Mar. 7.
Gasket material. Le G. Daly. 2,343,368; Mar. 7.
Gauge: *See*—
Tire gauge.
Gauge control. E. B. Hudson and E. G. Schlup. 2,343,554; Mar. 7.
Gauge for cutting tools, Setting. N. P. Lloyd. 2,343,309; Mar. 7.
Gear cutter. R. A. Hoorn. 2,343,508; Mar. 7.
Gears by shaving, Crowning. E. W. Miller. 2,343,567; Mar. 7.
Geochemical prospecting. L. Horvitz. 2,343,772; Mar. 7.
Glider. R. D. Russell. 2,343,710; Mar. 7.
Glove. C. J. Franzl. 2,343,449; Mar. 7.
Glue spreader, surface coater, and the like. J. E. and R. S. Black. 2,343,363; Mar. 7.
Governing device for engines, especially for the drive of ship screws with variable pitch. H. Kieser. 2,343,378; Mar. 7.
Gown, Shoulderless. O. M. Bailey. 2,343,631; Mar. 7.
Granular materials, Measurement of moisture content in. R. L. Stevens. 2,343,340; Mar. 7.
Grinder machine reeling system. L. Illmer and V. R. Pallas. 2,343,460; Mar 7
Grinding fixture J. Bochenek. 2,343,637; Mar. 7.
Grinding machine. J. E. Poorman. 2,343,577; Mar. 7.
Grinding machine, Precision. E. C. Shugars. 2,343,811; Mar. 7.
Ground working and soil pulverizing machine, Combined. J. R. Bryant. 2,343,396; Mar. 7.
Gun sight. C. E. Rodney. 2,343,802; Mar. 7.
Hair-brush, Spiral. F. H. Lotters. 2,343,782; Mar. 7.
Haircutting device. A. Horowitz and A. van Dam. 2,343,553; Mar. 7.
Halosteroid and preparation of the same. R. E. Marker and H. M. Crooks, Jr. 2,343,311; Mar. 7.
Hand press for affixing seals. W. Stelzer. 2,343,339; Mar. 7.
Handle: *See*—
Milk pail handle.
Harness, Airplane ignition. K. W. Miller and H. W. Sheridan. 2,343,314; Mar. 7.
Harvesting machine. F. Rogers. 2,343,583; Mar. 7.
Hat, Skullfitting. I. K. Etman. 2,343,758; Mar. 7.
Hatch cover. A. Pinson. 2,343,833; Mar. 7.
Heat extractor. B. R. Faunce. 2,343,542; Mar. 7.
Heat transfer unit. J. W. Sargent and C. E. Staky. 2,343,387; Mar. 7.
Heater: *See*—
Domestic water heater.
Helical centrifugal separator. H. McCurdy. 2,343,682; Mar. 7.
High tension apparatus. R. R. Machlett. 2,343,381; Mar. 7.
Hinge. H. Traumüller. 2,343,593; Mar. 7.
Hoist. A. J. Brown. 2,343,640; Mar. 7.
Hoisting apparatus. G. E. Bock. 2,343,638; Mar. 7.
Holder: *See*—
Condiment holder. Lamp holder.
Holder for use with homing pigeons, Message. I. S. Lermer. 2,343,679; Mar. 7.
Hollow vessel, Noninflammable and shockproof. L. Nast. 2,343,470; Mar. 7.
Honing apparatus. W. M. Fairbairn and S. M. Burdick. 2,343,500; Mar. 7.
Honing machine. H. J. Caldwell and E. Y. Seborg. 2,343,275; Mar. 7.
Horizontal tube knitting machine. W. Larkin. 2,343,776; Mar. 7.
Hose clamp. V. E. Sprouse. 2,343,484; Mar. 7.
Hose nozzle. R. Doerr. 2,343,647; Mar. 7.
Hot water heating system. E. B. Tidd. 2,343,856; Mar. 7.
Hydraulic check. H. A. Knox. 2,343,301; Mar. 7.
Hydrocarbons, Catalytic cracking of. M. Pier and G. Free. 2,343,472; Mar. 7.
Hydrocarbons, Catalytic conversion of. A. V. Grosse and J. C. Morrell. 2,343,851–2; Mar. 7.
Hydrocarbons, Conversion of. G. Egloff. 2,343,649; Mar. 7.
Hydrochloric acid, Purification of. R. F. Laird and R. G. Hartig. 2,343,462; Mar. 7.
Hydrochloride, Rubber. W. Scott. 2,343,834; Mar. 7.
Hydrodynamic transmission. L. E. La Brie. 2,343,304; Mar. 7.
Hydromechanically controlled mechanism. J. F. Moran. 2,343,788; Mar. 7.
Hypo eliminator bath. L. E. Muehler and G. T. Eaton. 2,343,696; Mar. 7.
Ice bag and closure therefor. F. Lobl. 2,343,512; Mar. 7.
Ice cream and ice cream making. C. Getz. 2,343,767; Mar. 7.
Identification, System of. A. B. Chalmers. 2,343,746; Mar. 7.
Ignition distributor. H. L. Hartzell. 2,343,455; Mar. 7.
Impact clutch. E. H. Shaff. 2,343,332; Mar. 7.
Indicating control apparatus for perforating machines. W. Leathers and W. J. A. Bailey. 2,343,463; Mar. 7.
Indicating device. H. H. Keen. 2,343,377; Mar. 7.
Indicator: *See*—
Direction indicator.
Ingots, Coating. G. R. Hatcher. 2,343,842; Mar. 7.
Inserted blade milling cutter. W. L. Rudaitis. 2,343,709; Mar. 7.
Insulin preparation and making same. H. A. Abramson and M. H. Gorin. 2,343,625; Mar. 7.
Interpolymers of styrene and the reaction product of maleic esters with relatively nonconjugated drying oils and preparing the same. B. E. Sorenson. 2,343,483; Mar. 7.
Jack: *See*—
Automobile jack.
Jacket, Nonskid two-piece metal. L. A. Beard. 2,343,251; Mar. 7.
Joint: *See*—
Swivel joint.
Laminated boat rib and making same. E. B. McGlone. 2,343,683; Mar. 7.
Laminated fabric. L. Glass. 2,343,408; Mar. 7.
Lamp. W. P. Wagner. 2,343,598; Mar. 7.
Lamp holder. C. H. Hodgkins. 2,343,853; Mar. 7.
Lawn and garden tool. B. F. Kay. 2,343,616; Mar. 7.
Leg band for holding down body garments. J. H. Vogt and E. Simmat. 2,343,823; Mar. 7.
Lens. G. H. Aklin. 2,343,627; Mar. 7.
Lens. F. E. Altman. 2,343,629; Mar. 7.
Lighting system and lighting unit for use therein. D. H. Tuck. 2,343,822; Mar. 7.
Liquids, Method and apparatus for mixing. A. De V. Harnett. 2,343,454; Mar. 7.
Load support. L. W. Wachter. 2,343,597; Mar. 7.
Loader for baled material. G. Coon. 2,343,444; Mar. 7.
Lock: *See*—
Door lock. Tire lock.
Emergency exit door lock.
Lock type fuel tank filling cap. S. Wise. 2,343,605; Mar. 7.

Locking cam for toolholders. J. M. Luers. 2,343,855; Mar. 7.
Loop antenna system. W. P. Lear. 2,343,306; Mar. 7.
Lubricant. A. Beerbower and R. E. Darley. 2,343,737; Mar. 7.
Lubricant. D. E. Bergen. 2,343,393; Mar. 7.
Lubricant. F. B. Downing and H. M. Fitch. 2,343,756; Mar. 7.
Lubricant, etc. A. Beerbower and A. E. Calkins. 2,343,736; Mar. 7.
Lubrication. E. H. Kocher. 2,343,302; Mar. 7.
Lubrication apparatus, Reduction gear. W. H. Bartolett. 2,343,492; Mar. 7.
Lubricating composition. J. L. Osborne. 2,343,831; Mar. 7.
Lumber, Kiln drying. F. W. Gottschalk and H. W. Angell. 2,343,410; Mar. 7.
Machine for chamfering gears. C. T. Galloway. 2,343,407; Mar. 7.
Machine for extruding rubber and the like. F. E. Brown. 2,343,529; Mar. 7.
Machine for making tubular structures. A. E. Chernack. 2,343,747; Mar. 7.
Machine for manufacturing and applying bottle caps. E. Anderson. 2,343,358; Mar. 7.
Magnet steel, Permanent. K. L. Scott. 2,343,481; Mar. 7.
Magnetically controlled element. L. S. Simon. 2,343,813; Mar. 7.
Maleic anhydride, Purification of. J. H. Crowell. 2,343,536; Mar. 7.
Manganous sulphate solutions, Purification of. W. H. Hannay and B. J. Walsh. 2,343,293; Mar. 7.
Manufacture of containers and the like. L. Scusa. 2,343,331; Mar. 7.
Mattress cover. Z. and S. Leader. 2,343,260; Mar. 7.
Measuring and control system. J. F. Luhrs. 2,343,619; Mar. 7.
Measuring moisture. L. D. Baver and B. T. Shaw. 2,343,520; Mar. 7.
Mechanical device. J. S. Sharpe. 2,343,333; Mar. 7.
Mechanical movement. H. L. Rose. 2,343,244; Mar. 7.
Mechanical movement. J. S. Sharpe. 2,343,334; Mar. 7.
Mechanism for twisting together a plurality of strands. R. J. Clarkson. 2,343,535; Mar. 7.
Mercury switch. V. L. Finizio. 2,343,653; Mar. 7.
Metal envelope radio tube. C. Herzog. 2,343,457; Mar. 7.
Metering device for screw feeds. J. Roland. 2,343,707; Mar. 7.
Milk pail handle. L. T. Conde. 2,343,749; Mar. 7.
Milk, Soft-curd. B. Spur. 2,343,713; Mar. 7.
Mill: *See*—
Flour mill.
Monocalcium phosphate crystallization. A. H. Henninger. 2,343,456; Mar. 7.
Mononitroalkanes and aliphatic ketones, Condensation of. H. B. Hass and J. F. Bourland. 2,343,256; Mar. 7.
Morpholine sulphides, Preparing. E. S. Blake. 2,343,524; Mar. 7.
Motor: *See*—
Electric impulse motor. Fluid pressure motor.
Electric motor.
Fluid pressure actuated motor.
Motor control and switch operated thereby, Method and system of. F. H. Roby. 2,343,801; Mar. 7.
Motor fuels from liquid hydrocarbons by catalytic cracking, Manufacture of nonknocking. G. Free and W. v. Füner. 2,343,450; Mar. 7.
Mounting: *See*—
Piezoelectric crystal mounting.
Mounting for thermosensitive elements. H. H. Richmond. 2,343,242; Mar. 7.
Mousetrap. D. B. Love. 2,343,562; Mar. 7.
Muffler for airplanes, automobile, and the like. J. A. Fisher. 2,343,371; Mar. 7.
Multimotor single propeller airplane. W. Wisk. 2,343,606; Mar. 7.
Multiplying mechanism for checking dividing computations. J. W. Bryce. 2,343,399; Mar. 7.
Multipolar circuit breaker. W. H. Frank and E. T. Platz. 2,343,612; Mar. 7.
Multitray clarification. W. C. Weber. 2,343,836; Mar. 7.
Musical instruments, Multistringed. J. I. McDonald. 2,343,384; Mar. 7.
Napkin dispenser. N. J. Slye and A. S. Krueger. 2,343,814; Mar. 7.
Nitro-chromane. O. Hromatka. 2,343,773; Mar. 7.
Nitrogenous condensation products. P. Schlack. 2,343,808; Mar. 7.
Noise reduction signaling system. M. W. Baldwin, Jr. 2,343,634; Mar. 7.
Nonspill vent means. A. F. C. Gregory. 2,343,663; Mar. 7.
Nozzle, Fire extinguishing. R. B. Larter. 2,343,305; Mar. 7.
Nut setter. P. Van Sittert and A. J. Lev. 2,343,596; Mar. 7.
Oar. M. T. Witt. 2,343,726; Mar. 7.
Oil composition and oil additive, Lubricating. J. S. Yule. 2,343,608; Mar. 7.
Oil conversion with catalyst, Petroleum. J. C. Baillie and M. J. See. 2,343,295; Mar. 7.
Oil conversion with catalyst, Petroleum. J. C. Baillie and M. J. See. 2,343,731; Mar. 7.
Oil filter. C. N. Bentley. 2,343,636; Mar. 7.
Oils, Cracking and coking hydrocarbon. J. M. Barron. 2,343,848; Mar. 7.
Oils, Refining of mineral. H. C. Paulsen. 2,343,794; Mar. 7.
Operation controlling method and means. C. R. Turner. 2,343,347; Mar. 7.
Organo-mercury compound. S. M. Gordon and F. Kipnis. 2,343,547; Mar. 7.
Oscillator, Stabilized. W. A. Edson. 2,343,539; Mar. 7.
Package and holder, Combined. L. Clark. 2,343,277; Mar. 7.
Paper fastener. R. Janovsky. 2,343,413; Mar. 7.
Paraffins, Isomerization of. C. G. Dryer. 2,343,406; Mar. 7.
Parasiticidal dust for contact use and making the same. R. B. Arnold. 2,343,360; Mar. 7.
Pest control. F. H. Kaufert. 2,343,415; Mar. 7.
Petroleum, Selective solvent extraction of. J. Q. Cope and W. H. Claussen. 2,343,611; Mar. 7.
Phonograph pickup. O. Kornei. 2,343,417; Mar. 7.
Photoflash device. J. C. Hollister and W. Wood. 2,343,552; Mar. 7.
Photographic recorder for accounting machines. J. W. Bryce. 2,343,397; Mar. 7.
Photography, Subtractive color. W. Schneider. 2,343,424; Mar. 7.
Piezoelectric crystal mounting. R. Bechmann, H. E. Kundt, and H. Bremer. 2,343,738; Mar. 7.
Pilot, Automatic. R. Fink. 2,343,288; Mar. 7.
Pin connection. S. D. Bergman. 2,343,522; Mar. 7.
Pintle applying machine. D. Keller. 2,343,854; Mar. 7.
Piston. Z. A. Bruegger. 2,343,530; Mar. 7.
Piston. P. F. Crothers. 2,343,751; Mar. 7.
Piston resizer. R. M. Ulrich. 2,343,719; Mar. 7.
Pitot tube. E. Daiber. 2,343,282; Mar. 7.
Placard. E. F. Blechta. 2,343,741; Mar. 7.
Planimeter. G. Tichauer. 2,343,821; Mar. 7.
Plug: *See*—
Attachment plug.
Plug-in transformer. F. P. Kenyon. 2,343,675; Mar. 7.
Plumb bob support. W. E. Maxey. 2,343,688; Mar. 7.
Polychloroprenes, Reclaiming waste. W. G. Kirby and P. M. Elliott. 2,343,558; Mar. 7.
Portable tool. P. Van Sittert. 2,343,595; Mar. 7.
Power belt construction. C. M. Conradson. 2,343,367; Mar. 7.
Power control unit. R. B. Magee. 2,343,465; Mar. 7.
Power operated machine tool. R. R. Roemer. 2,343,243; Mar. 7.
Power transmission. H. W. Gilfillan and E. L. Bailey. 2,343,291; Mar. 7.
Power transmission. E. R. Maurer. 2,343,312; Mar. 7.
Preparation of return material. C. E. Agney. 2,343,270; Mar. 7.
Presserfoot for sewing machine. S. Zonis. 2,343,609; Mar. 7.
Pressure switch structure. H. A. Satterlee. 2,343,245; Mar. 7.
Price tag delivery mechanism. F. Kohnle and T. G. Turner. 2,343,617; Mar. 7.
Printing composition, Spirit. R. C. Locke. 2,343,781; Mar. 7.
Printing surfaces, Preparing. R. MacKay. 2,343,685; Mar. 7.
Procedure for the preparation of substances containing conjugated double bonds. J. D. Cawley. 2,343,644; Mar. 7.
Processing of materials. G. T. Reich. 2,343,706; Mar. 7.
Projectile. R. G. Thompson. 2,343,344; Mar. 7.
Projection system. L. S. Williams. 2,343,621; Mar. 7.
Projector control. H. N. Fairbanks and R. W. Wallace. 2,343,850; Mar. 7.
Propeller blades, Making. G. T. Lampton and H. P. Moyer. 2,343,418; Mar. 7.
Propeller governor. E. Martin. 2,343,382; Mar. 7.
Propeller, Variable-pitch. C. Keller. 2,343,416; Mar. 7.
Propellers, Balancing. E. Martin and M. C. Beebe, Jr. 2,343,383; Mar. 7.
Propulsion device for swimmers. H. L. Messinger. 2,343,468; Mar. 7.
Pump: *See*—
Bilge pump. Food or like pump.
Double casing pump.
Pump. A. J. Stepanoff. 2,343,486; Mar. 7.
Pump pressure limiting device. R. R. Curtis. 2,343,752; Mar. 7.
Punching machine. R. B. Johnson. 2,343,414; Mar. 7.
Quinones, Preparation of. C. F. Gibbs. 2,343,768; Mar. 7.
Rack: *See*—
Drying rack.
Radiator, Directive. H. Buchholz. 2,343,531; Mar. 7.
Radiator tubes and product thereof, Joining. W. B. Clifford. 2,343,402; Mar. 7.
Radio equipment and assembly. S. H. M. Dodington. 2,343,284; Mar. 7.
Radio tube with flattened elements. A. Binneweg, Jr. 2,343,849; Mar. 7.
Railway brake. C. E. Tack. 2,343,342; Mar. 7.

Range finder. J. H. Church. 2,343,279; Mar. 7.
Razor, Safety. F. J. Lewando. 2,343,307; Mar. 7.
Razor, Safety. N. Testi. 2,343,343; Mar. 7.
Reaction between solids and gases. W. K. Lewis. 2,343,780; Mar. 7.
Reamer. W. J. Wachowitz. 2,343,824; Mar. 7.
Receptacle: *See*—
Display rack, oil saver, and waste can receptacle.
Receiver, Ash. W. F. Conran. 2,343,750; Mar. 7.
Receiving circuit for telegraph signaling systems. J. R. Davey. 2,343,753; Mar. 7.
Record controlled interpreting machine. J. W. Bryce. 2,343,398; Mar. 7.
Recovery of iso-olefin polymers. W. J. Sparks, E. L. Baldeschwieler, and J. V. Sommer. 2,343,816; Mar. 7.
Rectifier. S. H. M. Dodington. 2,343,285; Mar. 7.
Rectifier, Waterproof. C. A. Kotterman. 2,343,379; Mar. 7.
Refrigerating apparatus. E. D. Drake. 2,343,447; Mar. 7.
Refrigerating apparatus. A. A. McCormack. 2,343,514; Mar. 7.
Refrigerating apparatus. D. H. Reeves. 2,343,581; Mar. 7.
Relay control system. M. E. Reagan. 2,343,423; Mar. 7.
Remote control system. A. B. Miller. 2,343,419; Mar. 7.
Resin-bearing fibrous pulp articles, Manufacturing. E. E. Sawyer. 2,343,330; Mar. 7.
Resin, Synthetic. P. O. Powers. 2,343,845; Mar. 7.
Resinous condensation product and making it. H. Hönel and A. Zinke. 2,343,296; Mar. 7.
Rheostat. H. H. Smith. 2,343,425; Mar. 7.
Riboflavin from absorbates, Recovering. J. K. Dale. 2,343,254; Mar. 7.
Rig, Drilling. E. L. Alexander and A. W. Braithwaite. 2,343,517; Mar. 7.
Ring for heat exchanger dome plates, Follower. D. E. Fields. 2,343,502; Mar. 7.
Riveting device. C. W. Cherry. 2,343,278; Mar. 7.
Rubber and plastic water lubricated bearing for vertical turbine pumps. R. D. Schott. 2,343,585; Mar. 7.
Rubber, Compounding. C. H. Smith and A. J. Gracia. 2,343,835; Mar. 7.
Rubber valve. C. C. Scheele. 2,343,584; Mar. 7.
Rubber, Vulcanization of. R. A. Mathes. 2,343,566; Mar. 7.
Rythmeter for determining sterility and fertility. G. L. Tilbrook. 2,343,592; Mar. 7.
Sadiron, Steam generating. R. I. Huffman. 2,343,555; Mar. 7.
Safety stop, Automatic. D. Pinnelli. 2,343,474; Mar. 7.
Safety switching arrangement for electrically heated appliances. F. E. Finlayson. 2,343,654; Mar. 7.
Safety tube. C. J. Burkley. 2,343,828; Mar. 7.
Sawhorse. E. H. Johnson. 2,343,557; Mar. 7.
Scale, Weighing. S. N. Hurt. 2,343,615; Mar. 7.
Scissors. E. G. Boyle. 2,343,527; Mar. 7.
Screw and washer assembly machine. O. J. Poupitch. 2,343,798; Mar. 7.
Screw device, Antifriction. H. S. Hoffar. 2,343,507; Mar. 7.
Screw-down mechanism for rolling mills. E. B. Hudson. 2,343,671; Mar. 7.
Screw fastening with self riveting-head. F. L. Davis. 2,343,283; Mar. 7.
Scrubbing or cleaning machine. M. A. Buckley. 2,343,532; Mar. 7.
Seal. A. S. Mackey. 2,343,564; Mar. 7.
Sealed type tail, stop, and direction signal. H. B. Donley. 2,343,754; Mar. 7.
Separable fastener. N. Wahl. 2,343,349; Mar. 7.
Separation apparatus. S. C. Carney. 2,343,401; Mar. 7.
Separation and purification of aromatic compounds. R. E. Burk. 2,343,744; Mar. 7.
Separator: *See*—
Helical centrifugal separator.
Sequence valve. R. B. Campbell. 2,343,495; Mar. 7.
Severing machine. A. J. Jacobsen. 2,343,556; Mar. 7.
Shearing and punching machine. J. Opie. 2,343,697; Mar. 7.
Sheet material slitting and winding machine. P. Van Norde. 2,343,720; Mar. 7.
Sheets or films of light-polarizing material, Forming. E. H. Land. 2,343,775; Mar. 7.
Shell, Multimissiled shotgun. E. M. Sweeley. 2,343,818; Mar. 7.
Shield for cathode ray tubes. H. Atwood, Jr. 2,343,630; Mar. 7.
Shield, Window black-out. H. Derman. 2,343,369; Mar. 7.
Shipping structure. P. W. Milburn and W. D. Adamson. 2,343,844; Mar. 7.
Shock absorber. E. F. Rossman. 2,343,478; Mar. 7.
Shoe. M. D. Pickens and E. A. Pecker. 2,343,700; Mar. 7.
Shoe inner sole. H. J. Nicholl. 2,343,790; Mar. 7.
Shoes, Stiffening. A. E. Ushakoff. 2,343,390; Mar. 7.
Sign: *See*—
Traveling message sign.
Sign control and system. E. H. Unkles, B. W. Roth, and C. S. Whitney, Jr. 2,343,594; Mar. 7.
Signal: *See*—
Brake signal.
Sealed type tail, stop and direction signal.
Signalling system. G. E. Atkins. 2,343,516; Mar. 7.
Ski suspension. J. A. Bombardier. 2,343,526; Mar. 7.
Skirt and bifurcated garment, Combined and convertible. M. L. Sansom. 2,343,480; Mar. 7.
Slicing device. M. C. Fay. 2,343,448; Mar. 7.
Slide valve. J. Mercier. 2,343,689; Mar. 7.
Slideway lubrication. C. W. Burnham. 2,343,533; Mar. 7.
Smelting of drosses, mattes and the like. E. P. Fleming and D. H. McIntosh. 2,343,760; Mar. 7.
Soap and product thereof, Making. B. Clayton. 2,343,829; Mar. 7.
Sock, Boot. M. P. Ross. 2,343,477; Mar. 7.
Sorting machine. J. N. Wheeler. 2,343,268; Mar. 7.
Sound recording. E. W. Kellogg. 2,343,674; Mar. 7.
Spectacle, Semirimless. L. J. Page. 2,343,574; Mar. 7.
Spray device. W. C. Salemme. 2,343,804; Mar. 7.
Spray material and making the same. R. B. Arnold. 2,343,359; Mar. 7.
Stabilizing mixed fatty acid esters of cellulose of the triester type. W. B. Hincke and J. Waterman. 2,343,669; Mar. 7.
Stand: *See*—
Equipment stand.
Still. C. F. Dinley. 2,343,646; Mar. 7.
Still, Centrifugal. K. C. D. Hickman. 2,343,667; Mar. 7.
Still, High vacuum. K. C. D. Hickman. 2,343,668; Mar. 7.
Stoker control. G. I. Holmes. 2,343,670; Mar. 7.
Straight-bar knitting machine. H. W. and E. Start. 2,343,485; Mar. 7.
Strand supply apparatus. P. J. Knaus and E. W. Larsen. 2,343,461; Mar. 7.
Stretcher, Curtain. R. Moskos. 2,343,695; Mar. 7.
Strip mill control. J. L. Whitten. 2,343,392; Mar. 7.
Suction cleaning apparatus. C. H. Taylor. 2,343,819; Mar. 7.
Sulphitation of organic compounds. L. J. Beckham. 2,343,362; Mar. 7.
Sulphur from tar, Separating. R. Syers. 2,343,591; Mar. 7.
Support: *See*—
Load support.
Plumb bob support.
Support for electric conductors. R. R. Pittman. 2,343,576; Mar. 7.
Switch: *See*—
Electric switch.
Turn signal switch.
Mercury switch.
Switch. L. E. Fisher. 2,343,255; Mar. 7.
Switch. E. T. Platz. 2,343,264; Mar. 7.
Swivel joint. F. N. Bard, V. W. Breitenstein, C. J. Olds, and L. A. Wray. 2,343,491; Mar. 7.
System and apparatus for facsimile telegraphy. R. J. Wise and G. H. Ridings. 2,343,353; Mar. 7.
Table: *See*—
Folding table.
Table drive for machine tools. K. F. Gallimore and G. Langen. 2,343,503; Mar. 7.
Table drive for machine tools. K. F. Gallimore. 2,343,504; Mar. 7.
Tag marking machine. S. E. Van Tuyl. 2,343,721; Mar. 7.
Tamale forming and wrapping machine, Automatic. C. T. Walter. 2,343,599; Mar. 7.
Tank. W. L. Morrison. 2,343,315; Mar. 7.
Tap construction. H. F. Bakewell. 2,343,632; Mar. 7.
Taper preventing photoelectric cell device. B. S. McLaughlin, Jr., and J. H. Zyerveld. 2,343,785; Mar. 7.
Teeth selection rim, Artificial. A. F. Lays. 2,343,777; Mar. 7.
Telegraph system and apparatus. P. Holcomb, Jr. 2,343,297; Mar. 7.
Telephone substation apparatus. E. Bertalen and D. M. Taggart. 2,343,442; Mar. 7.
Television broadcasting system. A. V. Loughren. 2,343,561; Mar. 7.
Temporary fastener. R. W. Edwards. 2,343,499; Mar. 7.
Textile fabrics, Method and apparatus for modifying. F. C. Wedler. 2,343,351; Mar. 7.
Textile fiber and producing. J. G. Little. 2,343,308; Mar. 7.
Textile shuttles, Lining for. S. Seymour. 2,343,659; Mar. 7.
Thermionic valves, Holder for. M. M. Lévy and A. S. Merritt. 2,343,779; Mar. 7.
Thermometer, Bimetallic. G. E. Ford and W. W. Hastings. 2,343,372; Mar. 7.
Thermoplastic decorative composition and preparation. W. M. Gearhart. 2,343,658; Mar. 7.
Thiazyl sulphamine derivative. W. H. Ebelke. 2,343,538; Mar. 7.
Thread rolling machine. L. C. Steinle and C. H. Hanwell. 2,343,588; Mar. 7.
Throttle control. S. M. Udale. 2,343,718; Mar. 7.
Tie, Nonslip. A. F. Lonk. 2,343,513; Mar. 7.
Timing apparatus. T. B. Gibbs. 2,343,452; Mar. 7.
Tire. V. J. Giuseffi. 2,343,660; Mar. 7.
Tire gauge. C. G. Rist. 2,343,582; Mar. 7.
Tire lock. O. Brummer. 2,343,366; Mar. 7.
Tire recap. T. A. Dunagan. 2,343,498; Mar. 7.

Tires one hunderd per cent with water, Filling. M. A. Wilson. 2,343,838; Mar. 7.
Tires, Retreading. G. Wheatley. 2,343,724; Mar. 7.
Tobacco, Curing green. R. D. Touton. 2,343,345; Mar. 7.
Tool: *See*—
Cleaning tool.
Power operated machine tool.
Lawn and garden tool.
Portable tool.
Welding tool.
Tool center. T. L. Adas. 2,343,626; Mar. 7.
Torque ratchet wrench. K. R. Larson and G. M. Walraven. 2,343,380; Mar. 7.
Torsional vibration damper. F. P. Porter. 2,343,421; Mar. 7.
Track for self-laying track vehicles. R. Mayne. 2,343,239; Mar. 7.
Tractor operated disk harrow. E. R. Simonka. 2,343,482; Mar. 7.
Trailer, Collapsible. E. H. Marple. 2,343,261; Mar. 7.
Transformer. J. M. Wilson. 2,343,725; Mar. 7.
Translation device. C. R. Doty. 2,343,404; Mar. 7.
Transmission. J. Jandasek. 2,343,509; Mar. 7.
Transmission control. T. Iavelli. 2,343,298; Mar. 7.
Transmission line. H. J. R. von Baeyer, H. O. Roosenstein, and F. Tischer. 2,343,475; Mar. 7.
Transmission system. E. J. Poitras and J. D. Tear. 2,343,386; Mar. 7.
Trap and safety catch therefor, Animal. H. A. Stilson. 2,343,589; Mar. 7.
Traveling case. A. Fridolph. 2,343,763; Mar. 7.
Traveling message sign. M. L. Haselton and C. S. Whitney, Jr. 2,343,294; Mar. 7.
Tray with ice release cam structure, Freezing. L. L. Mallard. 2,343,565; Mar. 7.
Tube: *See*—
Metal envelope radio tube.
Pitot tube.
Tube drawing apparatus. E. Linderme, Sr. 2,343,680; Mar. 7.
Turn signal switch. B. J. Yanchenko and H. A. Steele. 2,343,355; Mar. 7.
Typewriting machine. L. F. Pascher. 2,343,321; Mar. 7.
Uniflow type coke oven. C. Otto. 2,343,318; Mar. 7.
Urea-formaldehyde composition. R. P. Cosgrove. 2,343,497; Mar. 7.
Urea-formaldehyde composition. J. K. Simons. 2,343,247; Mar. 7.
Vacuum apparatus. K. C. D. Hickman. 2,343,665; Mar. 7.
Vacuum cleaning apparatus. D. O. Baird. 2,343,732; Mar. 7.
Vacuum distillation procedure. K. C. D. Hickman and J. C. Hecker. 2,343,666; Mar. 7.
Vacuum moistening system. O. H. Pilkey. 2,343,324; Mar. 7.
Vacuum pan control, Automatic. J. H. Lienau and J. J. Neuman. 2,343,464; Mar. 7.
Valve: *See*—
Rubber valve.
Slide valve.
Sequence valve.
Valve. D. W. Scofield. 2,343,806; Mar. 7.
Vapor cooling for motors. J. Sebo. 2,343,388; Mar. 7.
Vaporizer. G. Hettinger. 2,343,458; Mar. 7.
Vaporizing device. G. H. Zenner. 2,343,727; Mar. 7.
Variable speed transmission. A. G. Bade. 2,343,840; Mar. 7.
Vehicle construction. J. D. Rauch. 2,343,800; Mar. 7.
Viscosity flow control. K. R. Herman. 2,343,375; Mar. 7.
Vibration suppressing engine mount. J. M. Tyler. 2,343,426; Mar. 7.
Vise. D. Wachsman. 2,343,391; Mar. 7.
Vulcanizer. J. W. Brundage. 2,343,641; Mar. 7.
Warning device for aircraft, Stall, skid, and slip. C. J. Crane. 2,343,281; Mar. 7.
Washing apparatus. F. Breckenridge. 2,343,742; Mar. 7.
Washing treatment. J. N. Borglin. 2,343,639; Mar. 7.
Waste polychloroprene, Reclaiming. W. G. Kirby and L. E. Steinle. 2,343,559; Mar. 7.
Watercraft. A. A. Rusteberg. 2,343,711; Mar. 7.
Weft straightening method and apparatus. J. D. Robertson and J. L. Dube. 2,343,328; Mar. 7.
Weighing apparatus. H. F. Briggs. 2,343,528; Mar. 7.
Weighing scale. L. S. Williams. 2,343,622–23; Mar. 7.
Weight action for chair backs. H. H. Bernstein. 2,343,739; Mar. 7.
Welding tool. J. M. Radabaugh. 2,343,799; Mar. 7.
Wheel for sleds, Attachable. L. V. Goff. 2,343,662; Mar. 7.
Window structure. O. L. Dautrick. 2,343,446; Mar. 7.
Wiping attachment for phonographs. H. F. Wheeler. 2,343,837; Mar. 7.
Wire tensioning unit. L. L. Hyler. 2,343,672; Mar. 7.
Woodworking machine. W. S. Whiting, Jr. 2,343,603; Mar. 7.
Work-folding attachment for sewing machines. S. Zonis. 2,343,624; Mar. 7.
Wrapper for hack-saw blades. K. Y. Taylor. 2,343,715; Mar. 7.
Wrench: *See*—
Torque ratchet wrench.
X-ray apparatus. Z. J. Atlee. 2,343,729–30; Mar. 7.

CLASSIFICATION OF PATENTS

ISSUED MARCH 7, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Adjudicated Patents

(C. C. A. Ill.) Elliott patent, No. 1,724,569, for high chair structure, claim 3 *Held* invalid. *Lehman Co. of America* v. *Kroll Bros. Co.*, 139 F.(2d) 391.

(C. C. A. Mich.) Grebe and Sanford patent, No. 1,877,504, for treatment of deep wells, *Held* invalid. *Dow Chemical Co.* v. *Halliburton Oil Well Cementing Co.*, 139 F.(2d) 473.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,252,149, D. J. Wherry, Piston stabilizer and recam, decided December 30, 1943, claims 1, 6, and 7.

Pat. 2,292,447, J. C. Irwin, Jr., Dehydrating process, decided February 14, 1944, claims 2, 3, and 4.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Feb. 11, 1944.*

Rosalind Mayer, her assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Milton W. Folds, 2005 S. Michigan Ave., Chicago, Ill., to effect the cancellation of trade-mark registration of Rosalind Mayer, 70 Fifth Ave., New York, N. Y., No. 289,631, dated December 1, 1931, and the notice of such proceeding sent by registered mail to the said Rosalind Mayer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rosalind Mayer, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

Re. 19,908.—*Andrew A. Kucher*, Dayton, Ohio. REFRIGERATING MACHINE. Patent dated March 31, 1936. Disclaimer filed February 12, 1944, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 41 to 45 inclusive, and claim 47 of said patent.

2,210,321.—*Eugene C. Knoblock*, South Bend, Ind. SPOT-SATURATED COMPOSITION BOARD. Patent dated August 6, 1940. Disclaimer filed February 12, 1944, by the assignee, *Mastic Asphalt Corporation.*

Hereby enters this disclaimer to claim 9 of said patent.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business February 26, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,034; Trade-Mark Division, 926. Oldest new case, Apr. 21, 1943; oldest amended, Apr. 19, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters: Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 29	Oct. 11	411
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy: Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 11	Aug. 12	485
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 1	July 3	944
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 13	July 30	491
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 26	July 19	832
6. GENIESSE, E. W., Carbon Chemistry (part)	June 10	July 16	1274
7. JARBOE, C. G., Optics, Photography	Oct. 14	Oct. 1	725
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 11	Oct. 11	471
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 21	July 24	706
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness: Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 22	Sept. 23	316
12. SPINTMAN, S., Machine Elements (part): Engine Starters; Clutches and Power Stop Control	May 27	June 21	836
13. DONNELLY, A. E: Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Sept. 4	Sept. 15	504
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Oct. 30	Oct. 20	547
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Aug. 19	Aug. 14	747
16. SPENCER, C. J., Telegraphy; Telephony	Sept. 9	Sept. 2	535
17. HABRECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 5	June 29	544
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Apr. 21	Apr. 27	789
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 10	July 23	464
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 13	Sept. 16	436
21. THOMPSON, T. J., Textiles	Oct. 16	Aug. 19	371
22. CARPENTER, B. H., Aeronautics; Firearms: Ordnance	July 5	July 5	1162
23. BARROWS, B., Cash Registers: Calculators (part)	June 17	May 20	186
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Oct. 12	Oct. 1	521
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 21	Aug. 28	678
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 8	June 5	839
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 10	Apr. 19	541
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	May 29	June 4	727
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Sept. 27	Sept. 4	559
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	June 4	June 10	933
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Sept. 15	Sept. 15	1185
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 9	Aug. 10	612
33. HULL, J. S., Bridges: Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Sept. 8	Sept. 1	634
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Sept. 28	Aug. 13	534
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 11	Oct. 4	412
36. McFADYEN, A. D., Automatic Weighers: Measuring and Testing; Force Measuring	Sept. 25	Nov. 5	294
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 18	July 27	666
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	June 11	June 26	483
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Sept. 24	Oct. 12	560
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 19	Oct. 13	561
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 16	July 17	392
42. MARANS, H., Electric Signaling	Oct. 27	Oct. 19	362
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 29	July 14	743
44. HARVEY, L. P., Refrigeration; Preserving	July 24	July 16	385
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors: Belt and Sprocket Gearing; Spring Devices: Metal Forging and Welding, Land Vehicles (part).	Sept. 9	Sept. 15	801
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 21	Sept. 25	517
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Sept. 23	Sept. 21	690
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	July 5	July 8	859
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 16	Aug. 31	597
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Aug. 14	Sept. 2	1290
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	July 22	July 21	1323
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 15	Aug. 18	738
53. PECK, M. K., Label Pasting and Paper Hanging: Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 18	Aug. 7	327
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Apr. 28	May 20	658
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	July 9	July 2	631
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 3	Sept. 1	738
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Boit, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	June 8	July 11	593
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Sept. 10	July 29	619
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	July 22	July 24	1290
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	June 28	June 28	680
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery, Boats, Buoys and Ships.	July 9	June 28	430
62. PUGH, E. C., Games; Geometrical Instruments; Tables: Mechanical Guns and Projectors	Oct. 15	Oct. 9	640
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	July 7	July 7	923
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Oct. 6	Oct. 6	992
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	May 29	May 29	876
Trade-Marks: RICHMOND, F. A.	†Jan. 1	†Jan. 17	926
Designs: KALUPY, H. H.	†Jan. 14	†Jan. 25	425

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

RADIO CORPORATION OF AMERICA
v.
RAYON CORPORATION OF AMERICA

No. 4,783. Decided December 16, 1943

[— F.(2d) —]

1. TRADE-MARKS—CORPORATE NAMES—PARTIAL APPROPRIATION.

Upon review, on appeal, of the opposition by Radio Corporation of America, the appellant, to the application of Rayon Corporation of America, the appellee, for registration of the mark "R.C.A. FABRIC", the word "Fabric" being disclaimed, for knitted rayon materials *Held* that since appellee concededly had appropriated as a trade-mark the letters "RCA," the first letters of Radio, Corporation, and America, there was "at least a partial appropriation of appellant's corporate name."

2. SAME—SAME—SAME—GOODS OF DIFFERENT DESCRIPTIVE PROPERTIES.

In interpreting the decision of the Supreme Court of the United States in *American Steel Foundries* v. *Robertson et al.*, 269 U. S. 372, 342 O. G. 711, the "Simplex case," *Held* that "while the court * * * pointed out that, in cases involving a partial appropriation, the question of descriptive properties of the goods must be given weight, it is clear from that decision that the court did not mean that such fact is controlling, and that in all cases where the goods of the parties are of different descriptive properties, the partial appropriation of a corporate name as a trade-mark is permissible."

3. SAME—SAME—SAME—CONFUSION OF IDENTITY.

"If appellee were permitted to use and register the notation 'RCA' which has come to represent to the public the appellant Radio Corporation of America, other companies likewise might use it upon different products with resultant loss of identity of the Radio Corporation of America."

4. SAME—SAME—SAME—SAME.

"Appellant is concerned with radios and other radio electrical apparatus. Appellee applies its mark to knitted rayon materials. Both radios and knitted rayon materials are used in homes, and are often bought by the same class of people. Considering the fact that the notation 'RCA' has come to be known by the American public as meaning 'Radio Corporation of America,' it would be very reasonable for purchasers, upon seeing the 'R.C.A.' mark upon knitted rayon materials, to conclude that appellant was engaged in, or was sponsoring, the manufacture of such goods."

5. SAME—SAME.

The fact that appellant owns several subsidiary corporations using as a part of their corporate names the letters "RCA" *Held* not to bring the case at bar "within the ruling of the Simplex case that where a common word in a corporate name has been used by many corporations as parts of their names, no one corporation may properly claim the exclusive use of such word in its corporate name," since "wherever the letters 'RCA' are used as a part of the name of appellant's subsidiary, they indicate to the public the name of appellant as endorsing or sponsoring the goods of its subsidiary corporations."

6. APPEAL—RECORD.

Held that appellee might not challenge the correctness of the record by a rtatement in its brief, and *Held* that the motion by appellant to strike such statement would be granted.

APPEAL from the Patent Office. Reversed.

Mr. Harry G. Grover, Mr. James G. Norton and *Mr. Abraham S. Greenberg* for Radio Corporation of America.

Mr. Herbert J. Jacobi for Rayon Corporation of America.

LENROOT, *J.*:

This is an appeal in a trade-mark opposition proceeding wherein the Commissioner of Patents held that appellant's notice of opposition should be dismissed and that appellee is entitled to the registration of the mark applied for by it. The Examiner of Trade-Mark Interferences had held that the notice of opposition should be sustained, and his decision was reversed by the Commissioner.

On June 14, 1938, appellee made application under the Trade-Mark Act of February 20, 1905, for the registration of the mark "R.C.A. FABRIC", for knitted rayon materials. The word "fabric" was disclaimed apart from the mark shown in the drawing.

On September 15, 1938, appellant filed its notice of opposition to said application, alleging that the letters "RCA" are an abbreviation of appellant's corporate name, and that such abbreviation had been used by appellant since 1936 to designate its corporate name; that it had been so extensively used by appellant that it has become a matter of common knowledge over all parts of the United States and in foreign countries that the letters "RCA" indicate appellant; and that the mark of appellee is an appropriation of appellant's name by the appellee, prohibited by section 5 of the Trade-Mark Act of February 20, 1905.

Appellant further alleged that the RCA Manufacturing Company, National Broadcasting Company, RCA Communications, Inc., Radiomarine Corporation of America, and RCA Institutes, Inc., are wholly owned subsidiary corporations of appellant; that the RCA Manufacturing Company is engaged in the manufacture and sale of a wide variety of products relating to radio communication, talking picture equipment, radio tubes and sets, phonographs, records, and many other electrical goods; and that the other above named subsidiary corporations are engaged in various lines of radio communication, including the training of personnel therefor.

As a separate ground of opposition appellant further alleged that appellee's mark is the salient and dominating part of the corporate name of its subsidiary RCA Manufacturing Company, and that the use by appellee of its mark is calculated to deceive or confuse the public and thereby injure the reputation and good will of said subsidiary.

Appellant further alleged that the public seeing its well known abbreviated name on appellee's goods will believe that the goods originated with

appellant or are sponsored by it, to the damage of its reputation.

Appellant took testimony and stipulated testimony was introduced by appellee. In said stipulated testimony we find the following:

That the letters "R. C. A." constituting applicant's mark herein were, for brevity, adopted and taken from the first letters of each of the dominant words of the applicant's corporate title, "Rayon Corporation of America," and that at the date of adoption of said letters applicant knew of Radio Corporation of America and its use of the letters "RCA".

The Examiner of Interferences, in his decision, found that in the early part of appellant's career, which began in 1918, it adopted the notation "RCA" as an abbreviated name for its organization, and that its advertising in which the abbreviation "RCA" was featured was national in scope, and cost in excess of an average of two and one-half million dollars per year during the period 1929 to 1939.

The Examiner of Interferences in his decision further stated:

The evidence submitted is deemed to establish that as a result of opposer's widespread activities the notation "RCA" at and since the time of applicant's adoption thereof has for many years been well known as a name for the opposer company, and that when used alone the notation "RCA" is generally recognized as designating the opposer and is quite sufficient to identify the latter. The testimony to that effect is amply substantiated by news, trade and magazine articles appearing in numerous national magazines, newspapers and other publications since as early as 1922, of which Exhibits 31, 32, 33, 36, 37, and 47 to 68 are illustrative. In these articles the opposer company more often than not is referred to merely by this abbreviation of its corporate title.

Under these circumstances the Examiner is persuaded that the notation "RCA" has become so identified with the opposer company that its use as a part of the mark "R.C.A. Fabric" sought to be registered would lead many purchasers to assume that the opposer has sponsored the production and sale of applicant's goods.

With respect to appellant's subsidiary corporations, the Examiner of Interferences stated:

In connection with applicant's argument to the effect that the use of "RCA" as a name has not been exclusive with the opposer because of its presence in the names of three of its before mentioned subsidiaries, the record is deemed to show that at and since the organization of these subsidiaries this notation without more has signified the opposer company alone. That is to say, the word "Manufacturing," for example, is believed to be an essential feature of the name of RCA Manufacturing Company, and like corresponding portions of the names of the other of such subsidiaries, must be used in combination with "RCA" in order to distinguish this company from others including the parent organization.

Moreover, it appears that the relationship between opposer and each of its subsidiaries has been substantially that of principal and agent, the products and services of these subsidiary companies being advertised and sold under the sponsorship of opposer, as indicated, for instance, by the multiple page advertisements in Life Magazine (Exhibits 14*a*, *b* and *c*). In such case, use by the agent of a symbol in connection with the business of its principal would inure to the benefit of the latter and therefore could not well detract from an otherwise valid claim of the principal to the right to the exclusive use thereof.

The Commissioner, in his decision reversing the decision of the Examiner, held that the appropriation by appellee of appellant's corporate name is only partial, and hence not absolutely prohibited by the name clause of section 5 of said trade-mark act. He further held that because of the difference between the goods to which appellee applied its mark and the goods with which appellant is concerned, the public would not be likely to associate appellee's goods with those of appellant. He, therefore, held that appellant's opposition should be dismissed.

It is our opinion that the testimony abundantly establishes that the combination of the letters "RCA" is generally understood by the public as meaning "Radio Corporation of America." Therefore, while only an abbreviation of appellant's name is used, that abbreviation has become generally understood by the public to mean merely the name of appellant.

With respect to the use of abbreviations and nicknames to indicate a corporate name, we quote from Nims on Unfair Competition and Trade-Marks, (Third Edition), p. 246, as follows:

Corporate names or parts of these names when used to designate goods or business houses, or as trade "nicknames," are trade names pure and simple, in most instances, and can be protected as such. The commercial nickname, or abbreviated name, is often more valuable, far better known, and more carefully guarded from use by rivals than the formal or full name from which it is taken. Hence it is that unfair competition applies to nicknames of corporations. "U. M. C." for Union Metallic Cartridge Co.; "Winchester," for Winchester Repeating Arms Co.; "Equitable," for Equitable Life Assurance Society; "C. B. & Q.," for Chicago, Burlington & Quincy; "B. & A.," for Boston & Albany, are instances of such nicknames. One hears or sees the full corporate name used seldom in comparison to the number of times the nickname is used.

The above quotation was quoted with approval in the case of *Great Atlantic & Pacific Tea Company* v. *A. & P. Radio Stores, Inc.*, 20 F. Supp. 703.

Many other abbreviations can be mentioned which indicate to the public merely the name of a particular corporation or association.

Among such are:

Y. M. C. A. Young Men's Christian Association.
F. B. I. Federal Bureau of Investigation.
A. F. L. American Federation of Labor.
B. & O. Baltimore and Ohio Railroad Company.

Because of appellant's extensive advertising and deliberate adoption by it in such advertising of the letters "RCA" to indicate its corporate name, all of which appears in the record before us, it is fair to assume that the public associates the letters "RCA" with the Radio Corporation of America, as readily as it does the abbreviations above referred to as indicating the full names of the respective organizations.

The Commissioner, in arriving at his decision holding that appellee's appropriation of appellant's corporate name was only partial, relied upon and quoted from the case of *American Steel Foundries* v. *Robertson et al.*, 269 U. S. 372, 342 O. G. 711, hereinafter termed the "Simplex case," as follows:

* * * "where less than the whole name has been appropriated, the right of registration will turn upon whether it appears that such partial appropriation is of such character and extent that, under the facts of the particular case, it is calculated to deceive or confuse the public to the injury of the corporation to which the name belongs."

[1] We do not find it necessary to decide the question of whether the letters "RCA" should, under the circumstances, be regarded as merely appellant's corporate name. Concededly appellee has appropriated as a trade-mark the letters "RCA" which are the first letters of Radio, Corporation, and America, respectively, so there is at least a partial appropriation of appellant's corporate name, and said letters are, as hereinbefore stated, generally regarded by the public as indicating the appellant.

[2] With respect to the partial appropriation of a corporate name in the Simplex case the court said:

Where the appropriation of the corporate name is complete, the rule of the statute, by its own terms, is absolute and the proposed mark must be denied registration without more. But where less than the whole name has been appropriated, the right of registration will turn upon whether it appears that such partial appropriation is of such character and extent that, under the facts of the particular case, it is calculated to deceive or confuse the public to the injury of the corporation to which the name belongs.

The fact, for example, that the articles upon which the mark is used are not of the same description as those put out by the corporation, is entitled to weight, since the probability of such confusion and injury in that situation obviously is more remote than where the articles are of like kind. The cases, naturally, present varying degrees of difficulty for the application of the rule. Primarily, the power and the duty rests with the Commissioner of Patents to determine the question in each case in the exercise of an instructed judgment upon a consideration of all the pertinent facts.

Appellee strongly relies upon the statement above quoted that where there is a partial appropriation, the fact that the articles upon which the mark is used are not of the same descriptive properties as those put out by the corporation a part of whose name has been appropriated must be given weight.

While the court, in the Simplex case, pointed out that, in cases involving a partial appropriation, the question of descriptive properties of the goods must be given weight, it is clear from that decision that the court did not mean that such fact is controlling, and that in all cases where the goods of the parties are of different descriptive properties, the partial appropriation of a corporate name as a trade-mark is permissible. In that case the court said:

In the present case, these facts are: The word "Simplex" is only a portion of the corporate name; its used by plaintiff is upon articles the like of which has never been manufactured or sold by the defendant corporation; it comprises the whole or a part of about sixty registrations by nearly as many different parties upon many kinds of merchandise; and it forms part of the names of other corporations in the country.

The court made no further reference to the matter of descriptive properties of the goods and apparently did not base its decision upon the fact that the goods of the parties were not of the same description.

If that feature had been controlling of its decision, there would have been no occasion for its discussion of other features of the case. In fact, no stress seems to have been laid by the court upon the feature of the descriptive properties of the goods, but the decision appears to rest upon the fact, as found by it, that the word "Simplex" alone did not identify to the mind of the public the appellee corporation, "Simplex Electrical Heating Company." Upon this point we quote further from its decision.

It is argued that the word in question is the salient feature in the name of the defendant corporation. But that, if conceded, does not settle the question. *There may be, of course, instances where a single word in the corporate name has become so identified with the particular corporation that whenever used it designates to the mind of the public that particular corporation.* But here it is not shown that, standing alone, the word "Simplex" has that effect; that it is any more calculated to denote to the public the defendant corporation than any of the other corporations in the names of which it is likewise embodied; or, indeed, that it signifies the appropriation of some corporate name though incapable of exact identification. [Italics supplied.]

The case at bar clearly differs from the Simplex case in that the notation "RCA" has become so identified with appellant that wherever used it designates to the mind of the public appellant Radio Corporation of America.

We, therefore, hold that the mere fact that the goods in which appellant is concerned and the goods to which appellee applies the mark "R.C.A." may be of different descriptive properties is not decisive of the question before us. The views last above expressed are substantially those expressed by the Court of Appeals of the District of Columbia (now the United States Court of Appeals for the District of Columbia), in the case of *Duro Pump & Mfg. Co.* v. *California Cedar Products Co.*, 56 App. D. C. 156, 344 O. G. 1058. In that case the appellee applied for the registration of the mark "Duro" applied to wall board. The business of appellant was the manufacture and sale of pumps, etc.

After quoting at length from the decision in the Simplex case, the court said:

It is apparent, from the language already quoted, that the Supreme Court did not intend to rule that identity of the descriptive properties of the goods of two parties was controlling, where one had taken for its mark the distinguishing part of the corporate name of the other. This is made even plainer in subsequent language of the court, as follows: "There may be, of course, instances where a single word in the corporate name has become so identified with the particular corporation that, whenever used, it designates to the mind of the public that particular corporation. But here it is not shown that, standing alone, the word "Simplex" has that effect; that it is any more calculated to denote to the public the defendant corporation than any of the other corporations in the names of which it is likewise embodied; or, indeed, that it signifies the appropriation of some corporate name, though incapable of exact identification."

* * * * * * *

In the present case, when the California Cedar Products Company adopted the word "Duro" as its trade-mark, that word had "become so identified with the particular corporation" (the Duro Company) that, whenever used, it designated to the mind "that particular corporation." While the descriptive properties of the products of the two companies are technically different, both are used in residences, and under the evidence, we are constrained to the view that their concurrent use would tend to confusion of the identity of the Duro Company. If the California Cedar Products Company were permitted to use this mark, which has come to represent the Duro Company and its product to the public, other companies likewise might use it, with resultant loss of identity of the Duro Company.

[3] So, in the case at bar if appellee were permitted to use and register the notation "RCA" which has come to represent to the public the appellant Radio Corporation of America, other companies likewise might use it upon different products with resultant loss of identity of the Radio Corporation of America.

[4] Appellant is concerned with radios and other radio electrical apparatus. Appellee applies its mark to knitted rayon materials. Both radios and knitted rayon materials are used in homes, and are often bought by the same class of people. Considering the fact that the notation "RCA" has come to be known by the American public as meaning "Radio Corporation of America," it would be very reasonable for purchasers, upon seeing the "R.C.A." mark upon knitted rayon materials, to conclude that appellant was engaged in, or was sponsoring, the manufacture of such goods.

[5] Another question is whether the fact that appellant owns several subsidiary corporations using as a part of their corporate names the letters "RCA," brings this case within the ruling of the Simplex case that where a common word in a cor-

porate name has been used by many corporations as parts of their names, no one corporation may properly claim the exclusive use of such word in its corporate name. In the Simplex case it was shown that the word "Simplex" did not identify any corporation in particular, because it was equally the name of many corporations, also that there had been registered approximately sixty trade-marks consisting, in whole or in part, of the word "Simplex."

In the case at bar, wherever the letters "RCA" are used as a part of the name of appellant's subsidiary, they indicate to the public the name of appellant as endorsing or sponsoring the goods of its subsidiary corporations.

The distinction between the case at bar and the Simplex case in this regard is so apparent that it requires no further discussion.

One other contention of appellee requires brief mention. It placed in the record various registrations in which in some form or other the letters "RCA" appeared. In only one of them did the unitary notation "RCA" appear, and it appears that such registration has been cancelled.

Upon this point the Examiner of Interferences, in his decision, stated:

The record fails to show, disregarding the unauthorized use of "RCA" as evidenced by cancelled registration No. 270,174, that the unitary notation "RCA" prior to applicant's use thereof has been in use by any person other than the opposer and its subsidiaries, either as a name or trade mark or as a separable feature thereof.

The record supports this statment of the Examiner of Interferences.

[6] Appellant has moved to strike from appellee's brief the following statement:

This is denied. This was the act of opposer's own reporter who saw fit, for one reason or another, to abbreviate for the benefit of this record, the name of the opposer company. Applicant's counsel is not responsible for the typing of the records erroneously.

Manifestly appellee may not challenge the correctness of the record by a statement in its brief and the motion is granted.

For the reasons herein stated we are of the opinion that the decision of the Examiner of Interferences sustaining appellant's notice of opposition was right, and the decision of the Commissioner of Patents appealed from is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE CHEVENARD

No. 4,804. Decided December 8, 1943

[—.F.(2d)—]

1. APPEAL—EFFECT OF FAILURE TO CHALLENGE EXAMINER'S HOLDING.

"The appellant * * * states that the Examiner cited nothing to support his holding with respect to the brief heating at 550° to 750° C., as the equivalent of a longer heating at a lower temperature, and insists that the Examiner's assertions do not coincide with the actual facts. In the absence of anything in the record to contradict the Examiner's holding, and in the absence of any demand by appellant for the Examiner to produce authority for his statement, we will not consider this contention. *In re Gunther*, 29 C. C. P. A. (Patents) 888, 125 F.(2d) 1020, 52 U. S. P. Q. 465, 538 O. G. 744."

2. PATENTABILITY—PROCESS FOR MAKING COMPENSATING WATCH SPRINGS.

Generic claim 8 and specific claim 10 of appellant's application, directed to a process for making compensating watch springs *Held* unpatentable over the prior art, and claims 12 and 13, drawn to non-elected species, *Held* properly rejected in the absence of an allowable generic claim.

APPEAL from the Patent Office. Affirmed.

Mr. E. F. Wenderoth (*Mr. A. Ponack* of counsel) for Chevenard.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the final rejection by the Primary Examiner of all of the claims, 8, 10, 12, and 13, of an application for a patent alleging "Improvements in the Manufacture of Compensating Spiral Springs for Watches, Chronometers and the Like." This is a companion appeal to appeal No. 4,805.

Claims 8 and 10 are illustrative of the subject matter involved and read as follows:

8. A process for the manufacture of compensating spiral springs for watches, chronometers and the like, which comprises the steps of taking an austenitic iron-nickel alloy containing 28–42% of nickel, 0.3–1% of carbon, 4–8% of chromium, 0.5–2% of manganese, 0.2–1% of silicon and additionally a small proportion of at least one of the elements taken from a group consisting of tungsten, molybdenum, vanadium, titanium, aluminium, copper and cobalt for entering into solid solution in the austenite so as to modify its thermoelastic anomaly, and at the same time forming complex carbides which are more soluble hot than cold in the austenite, subjecting it to a gradual wire drawing, with reheatings between the passes, down to a diameter from about 0.4 to about 1 mm., subjecting the wire to a hyperquenching, continuing wire drawing without intermediary reheating, rolling the wire into a ribbon of the desired transverse section, winding the ribbon into a spiral form and finally fixing the latter by heating to temperatures of 550 to 750° C.

10. A process as set forth in claim 8 in which an alloy is taken comprising 28–42% Ni, 4–8% Cr, 0.5–4% W, 0.5–2% Mn, 0.2–1% Si, 0.3–1% C and at least two of the elements Mo, Va, Ti and Al in a total amounting to at least 0.5% and at most 4%, as well as Fe to make up 100.

The reference cited is an article by M. A. Hunter entitled "Alloys of Iron and Nickel with Low Expansion Coefficients," Metals Handbook, 1936 Ed., American Society for Metals, Cleveland, pp. 345 to 349.

The alleged invention relates to a process for making compensating watch springs. The alloy, a type of iron-nickel, is stated to be of the so-called "Elinvar" modification of the "Invar" type. The content of the wire spring and its treatment are so clearly set out in the claims that it is not deemed necessary to describe them further.

While claims 10, 12, and 13 claim the same process as set forth in claim 8, the elements of the alloy appear to be more specific.

The Examiner rejected claims 8 and 10 as lacking invention over the Hunter reference and also as failing to properly point out the alleged invention. He rejected claims 12 and 13 on the ground of estoppel in view of appellant's election in response to an Office requirement.

The Board of Appeals affirmed the decision of the Examiner, holding that claims 8 and 10 lack invention over the reference, but further holding

that the claims properly pointed out the alleged invention. The Board affirmed the Examiner's decision rejecting claims 12 and 13 on the ground of estoppel in view of applicant's said election.

The reference discloses that Invar is an alloy comprising 36% nickel with minor constituents of manganese, silicon and carbon, and that its coefficient of expansion is so low that its length is practically invariable for ordinary changes in temperature. For this reason the alloy was named Invar.

Elinvar appears to differ from Invar in that it contains a chromium content and in that it possesses the additional property of having the same elasticity "over a considerable range in temperature as well as low thermal expansivity."

The writer of the reference had the following to say concerning Elinvar:

Elinvar—In determining the thermoelastic coefficients of nickel-iron alloys, Guillaume found that Invar had the highest elastic coefficient of all the alloys in the related group. There were, however, 2 alloys at 29% and 45% Ni which had zero coefficient, that is, their modulus of elasticity did not change with variations in temperature. But since, in these alloys, small variations in the nickel content produced large variations in the elastic coefficient, the commercial application of the discovery was a difficult one. He found that the addition of 12% chromium to an alloy containing 36% nickel produced an alloy which had zero thermoelastic coefficient and one which was not susceptible to small variations in Ni content, which are to be expected in commercial melting. To this alloy he gave the name "Elinvar."

It has a particular application in the construction of such articles as hair springs and balance wheels in clocks and watches and in tuning forks used in radio synchronization, where an invariable modulus of elasticity is required. It has the further advantage in such situations of being non-magnetic and comparatively rustproof.

The composition of this material has been somewhat modified from the original specifications. Shubrooks gives the following limits for the material as now used:

	Per cent
Nickel	33–35
Iron	61–53
Chromium	1– 3
Tungsten	1– 3
Manganese	0.5–2
Silicon	0.5–2
Carbon	0.5–2

It will be noted that the elements of Elinvar disclosed in the reference are identical with those disclosed in the claims. All of the proportions of the elements shown in the reference are within the range of the elements disclosed in the claims, with the exception of chromium. We are of opinion that in view of the wide difference in amounts of chromium set out in the reference (1 to 12%), the amount of that element in the rejected claims is not critical, and there is nothing in the record from which the amount of chromium claimed could be considered as critical.

Appellant in his brief seems to concede that there is no invention in adopting the particular components of the alloys set out in the claims. He states that

From the standpoint that the essence of the invention resides primarily in the procedural steps of manipulating the alloy rather than in the precise composition of the latter, the Examiner's viewpoint may be justified.

* * * * * * *

Coming now to the real essence of the invention, namely, the method of manipulating the alloy, the reference is submitted to be wholly lacking.

With respect to the manipulation of the alloy set out in claims 8 and 10, the Examiner held that the drawing of the material with heating between the passes was merely standard hot mill routine followed in the manufacture of steel wire, whether or not it was nickel steel as here. The Examiner stated that this step of drawing and heating between the passes was tacitly admitted by appellant as being standard practice.

With respect to the hyperquenching of the material and drawing without reheating, rolling to ribbon, winding to spiral form and heating to temperatures of 550° to 750° C., the Examiner considered those steps to be obvious in view of the reference, calling attention to the following passage on page 347 thereof, with his comments thereon in parentheses at the end of the quotation:

"It is possible by cold work following a quenching operation to produce material with a zero coefficient of expansion or even a negative one. In the latter case by careful annealing at a low temperature, the coefficient may be increased to zero again." (The last mentioned step, which is similar in such respect to age hardening or stress relieving anneals commonly practiced after cold working, as is well known in the art of metal working, is a function of time, wherefore a brief heating at 550 to 750° C. would be the equivalent of a longer heating at a lower temperature.)

Appellant in his brief endeavors to distinguish between quenching in water as mentioned in the publication and "hyperquenching" as set out in the claims. There is nothing in this record to indicate that quenching the alloy in water is not as thorough and drastic a quenching as any which the appellant would use with his alloy.

[1] The appellant in his brief states that the Examiner cited nothing to support his holding with respect to the brief heating at 550° to 750° C., as the equivalent of a longer heating at a lower temperature, and insists that the Examiner's assertions do not coincide with the actual facts. In the absence of anything in the record to contradict the Examiner's holding, and in the absence of any demand by appellant for the Examiner to produce authority for his statement, we will not consider this contention. *In re Gunther*, 29 C. C. P. A. (Patents) 888, 125 F.(2d) 1020, 52 U. S. P. Q. 465, 538 O. G. 744.

[2] Since we hold that claim 8, the generic claim, is not patentable over the cited prior art, it is necessary that we affirm the decision of the Board in rejecting claims 12 and 13 on the ground of estoppel since those claims were for species other than the claim elected to be prosecuted in the absence of a generic claim.

For the reasons herein set forth, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,284,687. (See T. M. 116,322.)

1,505,952. (See 1,965,292.)

1,715,000, 1,728,955, A. Cheney. Interlocking metal flashing; 1,939,619, 1,871,585, same, Metal flashing; 1,947,131, Levow & Ratner, Interlocking metal flashing, D. C., E. D. Pa., Doc. 112, *The Cheney Co.* v. *Keystone Flashing Co.* Dismissed Jan. 25, 1944.

1,718,997. (See 1,965,292.)

1,719,807, 1,719,820, A. A. Kucher, Refrigerator; 1,967,770. J. G. Ford, Method of manufacturing refrigerating apparatus; 2,007,730, M. C. Terry, Refrigerating apparatus; 2,040,507, same, Pump for refrigerating apparatus; 2,079,238, J. H. Ashbaugh, Method of shipping refrigerating apparatus; 2,166,630, G. F. Forsthoefel, Cabinet construction; Re. 21,178, same, Refrigeration apparatus; 2,181,856, G. S. McCloy, Refrigeration apparatus; 2,188,303, C. E. Roberts, Refrigeration test method; 2,194,176, O. H. Toxsimer, Refrigerator; 2,242,335, same, Cabinet construction; Re. 21,864 (of 2,212,964), H. D. White, Refrigerator cabinet; Re. 19,908, A. A. Kucher, Refrigerating machine; Re. 21,535, W. B. Anderson, Refrigeration apparatus; Des. 112,778, R. E. Kruck, Refrigerator cabinet, D. C., W. D. Pa., Doc. 1524, *The Crosley Corp.* v. *The Westinghouse Electric & Mfg. Co.* Decree granting injunction dismissing certain counterclaims Jan. 25, 1944.

1,719,820. (See 1,719,807.) 1,728,955. (See 1,715,000.)

1,871,585. (See 1,715,000.)

1,887,866, S. L. Belknap, Double door floor safe; 1,919,647, same, Automatic safety plunger, D. C. Calif. (Los Angeles), Doc. 474–B, *In-A-Floor Safe Co.* v. *Southern California Safe Co. et al.* Judgment that claim 3 of 1,887,866 and claims 1, 2, and 3 of 1,919,647 are invalid Jan. 21, 1944.

1,919,647. (See 1,887,866.)

1,933,099 (*a*), H. Derman, Built up container; 2,009,482, same, Wardrobe closet and the like; 2,070,924, same, Wardrobe, cabinet and the like; 2,172,956, same, Cabinet; 2,200,329, same, Double door closet; 2,206,767, same, Collapsible closet; 2,235,574, same, Top shelf portable; 2,236,870, same, Knockdown cabinet; 2,274,048, same, Container, cabinet, and the like; 2,274,046, same, knockdown chest of drawers; 2,274,533, same, Doorframe for collapsible closet; 2,274,534, same, Collapsible cabinet, D. C., S. D. N. Y., Doc. 18/52 and 17/450, *Stor-Aid of Illinois, Inc.*, v. *Decorative Cabinet Corp. et al.* Judgment dismissing complaint as to defendants other than H. Derman Dec. 16, 1943; stipulation of discontinuances as to H. Derman Jan. 26, 1944.

1,933,099 (*b*), H. Derman, Built up container; 2,274,048, same, Container, cabinet and the like; 2,009,482, same, Wardrobe, closet and the like; 2,274,533, same, Doorframe for collapsible closet, appeal filed Jan. 18, 1944, C. C. A., 2d Cir., Doc. —, *H. Derman* v. *Stor-Aid, Inc., et al.*

1,939,619. (See 1,715,000.) 1,942,698. (See 2,092,085.)

1,947,131. (See 1,715,000.)

1,965,292, Des. 85,189, L. B. Krick, Frozen confection; 1,505,952, W. A. Fricke, Phonograph mechanism; 1,718,997, C. W. Burt, Frozen confection, D. C. Mass., Doc. 1480, *Joe Lowe Corp. of Delaware* v. *H. P. Hood & Sons, Inc.* Dismissed by agreement Dec. 23, 1943.

1,967,770. (See 1,719,807.) 2,007,730. (See 1,719,807.)

2,009,482. (See 1,933,099 (*a*) and (*b*).)

2,040,507. (See 1,719,807.) 2,066,913. (See 2,163,452.)

2,070,924. (See 1,933,099 (*a*).)

2,079,238. (See 1,719,807.)

2,081,683, A. Solosko, Elastic attaching device; 2,097,877, S. Getmansky, Hat fastening device, D. C., S. D. N. Y., Doc. 23/238, *A. Solosko et al.* v. *"Samuel" Cohen.* Stipulation of discontinuance (notice Jan. 26, 1944).

2,092,085, H. F. Riley, Temperature control device; 1,942,698, M. E. Henning, Float switch with auxiliary circuit control, D. C. Mass., Doc. 2233, *H. F. Riley* v. *Penn Electric Switch Co.* Stipulation of dismissal Dec. 30, 1943.

2,097,877. (See 2,081,683.)

2,105,770 2,150,061, H. Holdsworth, Wall construction, D. C. Del., Doc. 82, *The Goldsmith Metal Lath Co.* v. *Milcor Steel Co.* Patent 2,150,061 held invalid, and claims 1 to 5, inclusive, of 2,105,770 held not infringed, and claims 6 and 7 held invalid; counterclaim is thereby dismissed (notice Jan. 20, 1944).

2,110,290, 2,195,641, H. J. Criner, Bread slicing machine, C. C. A., 8th Cir., Doc. 12/612, *H. J. Criner et al.* v. *Micro-Westco, Inc., et al.* Judgment of lower court affirmed Jan. 7, 1944.

2,150,061. (See 2,105,770.)

2,163,452, 2,066,913, J. D. Schmieg, Apparatus for removing foreign material from air; 2,212,752, same, Method of and apparatus for removing foreign material from air, D. C., E. D. Mich., S. Div., Doc. 2649, *Schmieg Sheet Metal Works* v. *Industrial Sheet Metal Works, Inc.* Consent judgment for plaintiff Jan. 20, 1944.

2,166,630. (See 1,719,807.)

2,172,956. (See 1,933,099 (*a*).)

2,181,856. (See 1,719,807.) 2,188,303. (See 1,719,807.)

2,194,176. (See 1,719,807.) 2,195,641. (See 2,110,290.)

2,200,329. (See 1,933,099 (*a*).)

2,206,767. (See 1,933,099 (*a*).)

2,212,752. (See 2,163,452.) 2,212,964. (See 1,719,807.)

2,229,704. (See Re. 22,037.)

2,235,574. (See 1,933,099(*a*).)

2,236,870. (See 1,933,099 (*a*).)

2,242,335. (See 1,719,807.)

2,274,046. (See 1,933,099 (*a*).)

2,274,048. (See 1,933,099 (*a*) and (*b*).)

2,274,533. (See 1,933,099 (*a*) and (*b*).)

2,274,534. (See 1,933,099 (*a*).)

2,322,254, Rickus & Braun, Hat and method of making same; 2,322,255, G. M. Rickus, Fabric, hat and method of making same, D. C. Del., Doc. 358, *John B. Stetson Co.* v. *Hat Corp. of America.* Dismissed (rule 41) Jan. 10, 1944.

2,322,255. (See 2,322,254.)

Re. 19,908. (See 1,719,807.)

Re. 21,178. (See 1,719,807.)

Re. 21,535. (See 1,719,807.)

Re. 21,864. (See 1,719,807.)

Re. 22,037 (of 2,229,704), Markel & Weinberg, Electric lighting fixture of the portable wall lamp type, D. C., N. D. Ohio, E. Div., Doc. 20869, *Markel Electric Products, Inc.*, v. *Railley Corp.* Stipulation of counsel dismissing case without prejudice subject to certain conditions Dec. 2, 1943.

Des. 85,189. (See 1,965,292.)

Des. 112,778. (See 1,719,807.)

T. M. 116,322, The Howard-Vaughan Co., Gasoline; 1,284,687, F. A. Howard, Process for the extraction of lighter hydrocarbons from heavier hydrocarbons and especially of gasoline and other products from kerosene, D. C. Calif. (Los Angeles), Doc. 3254RJ, *Howard Trust Estate, Ltd.*, v. *The Howard-Vaughan Co., Inc., et al.* Dismissed without prejudice Jan. 17, 1944.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 14, 1944

[VOL. 560. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 464,434. FLORISTS' TELEGRAPH DELIVERY ASSOCIATION, Detroit, Mich. Filed Oct. 27, 1943. Under the act of February 20, 1905, as amended June 10, 1938.



The words "Flowers By Wire" and "Authorized Florists' Telegraph Delivery Shop" are disclaimed apart from the mark.

FOR NATURAL FLOWERS AND PLANTS.

Claims use since October 1939.

Ser. No. 465,718. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Dec. 11, 1943.

H-20

FOR COAL.

Claims use since Apr. 2, 1943.

Ser. No. 465,753. DISTRIBUTING AND TRADING COMPANY, New York, N. Y. Filed Dec. 14, 1943.

D. T.

FOR CRUDE WAX AND WAX BLENDS TO BE USED FOR VARIOUS PURPOSES IN THE INDUSTRIAL ARTS.

Claims use since Oct. 15, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 460,968. JACOB C. SCHACHET, doing business as The Tinctorial Co., Denver, Colo. Filed May 27, 1943.

"TEE-SEE"

FOR COMPOUND FOR WATERPROOFING AND PRESERVING LEATHER.

Claims use since Aug. 1, 1924.

Ser. No. 464,163. R. S. GHISELIN, doing business as the Dazzle Co., Chicago, Ill. Filed Oct. 15, 1943.

DAZZLE

FOR CHEMICAL COMPOUND FOR USE AS A DETERGENT FOR WASHING DISHES.

Claims use since June 1, 1943.

Ser. No. 464,650. ADOLPH E. GROSS, doing business as The Recordit Company, St. Louis, Mo. Filed Nov. 3, 1943.

REC-O-PAD

The word "Pad" is disclaimed apart from the mark as shown.

FOR CHEMICALLY TREATED WIPING PADS FOR CLEANING AND PRESERVING PHONOGRAPH RECORDS.

Claims use since Sept. 1, 1943.

Ser. No. 465,630. THE MATCHLESS METAL POLISH COMPANY, Chicago, Ill., and Glen Ridge, N. J. Filed Dec. 8, 1943.

M.M. P.CO.

TRADE —X— MARK

CHICAGO GLEN RIDGE

No claim is made to the words "Trade Mark," "Chicago," and "Glen Ridge."

FOR BUFFING AND POLISHING COMPOSITIONS USED ON METAL, GLASS, PLASTICS, ENAMEL, AND OTHER HARD SURFACES.

Claims use since January 1892.

Ser. No. 466,179. JOHN T. STANLEY CO., INC., New York, N. Y. Filed Dec. 29, 1943.

BIG BOY

FOR SOAP AND POLISHING POWDER FOR CLEANING SMOOTH SURFACES SUCH AS METAL, PORCELAIN, PAINT, AND TILE.
Claims use since September 1934.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 462,792. CIA. INDUSTRIAL Y DISTRIBUIDORA, S. A., Mexico City, Mexico. Filed Aug. 17, 1943.



FOR FACE POWDER.
Claims use since May 1941.

Ser. No. 463,339. TROJAN PRODUCTS & MFG. CO., Chicago, Ill. Filed Sept. 10, 1943.

QUIK-SIL

Applicant disclaims the word "Quik" apart from the association shown.
FOR OIL ABSORBING MINERAL COMPOUND USED FOR ABSORBING MINERAL AND VEGETABLE OILS AND WATER-SOLUBLE CUTTING OILS.
Claims use since September 1941.

Ser. No. 464,656. METASAP CHEMICAL COMPANY, Harrison, N. J. Filed Nov. 3, 1943.

METASAP

FOR METALLIC SOAP COMPOSITION FOR THICKENING OILS AND FOR PRODUCING LUBRICATING GREASES.
Claims use since January 1917.

Ser. No. 465,349. WALLACE G. MCCAULEY, doing business as Illinois Remedial Company, Chicago, Ill. Filed Nov. 25, 1943.

NOZAAAZON TRIPLE

TRADE MARK

Applicant disclaims the name "Trade Mark" apart from the mark.
FOR NASAL PROPHYLACTIC.
Claims use since Dec. 15, 1942.

Ser. No. 465,526. CHLORINE SOLUTIONS, INC., Los Angeles, Calif. Filed Dec. 6, 1943.

ANTI-KLO

FOR LIQUID AND SOLID DEODORANTS WHICH ARE EMPLOYED FOR THE PURPOSE OF REMOVING BLEACH AND HAVE NO BLEACHING PROPERTIES OF THEIR OWN.
Claims use since June 1941.

Ser. No. 465,646. P. JOSEPH COLLINS, doing business as Atlas Color & Chemical Co., Boston, Mass. Filed Dec. 9, 1943.

ATLA - KEM

The word "Kem" is disclaimed except as shown.
FOR AGENTS ACTING AS A RESIST FOR WOOL AND USED PRINCIPALLY IN A DYE BATH.
Claims use since Dec. 19, 1935.

Ser. No. 465,803. GEIGY COMPANY, INC., New York, N. Y. Filed Dec. 16, 1943.

IRGAMIDE

FOR ORGANIC CHEMOTHERAPEUTIC PRODUCTS FOR THE TREATMENT OF INFECTIONS OF PNEUMOCOCCIC, STREPTOCOCCIC, MENINGOCOCCIC, AND COLI; PUERPERAL FEVERS AND INFECTIONS OF THE CERVIX; LOCALIZED INFECTIONS OF THE COCCI; ANGINA, OTITIS, AND MASTOIDITIS; ERYSIPELAS, BOILS, AND FOR THE TREATMENT OF WOUNDS AND FOR SEPTIC OPERATIONS, IN POWDER, OINTMENT, LIQUIDS, AND TABLETS, OR INCORPORATED IN PLASTERS, BANDAGES, AND OTHER MEANS FOR APPLICATION.
Claims use since Nov. 17, 1943.

Ser. No. 465,825. OXFORD PRODUCTS, INC., Cleveland, Ohio. Filed Dec. 16, 1943.

TESTILON

FOR VITAMIN TABLETS CONTAINING VITAMIN B_1, YOHIMBIN, ORCHIC, CALCIUM, SODIUM AND NUX VOMICA FOR HORMONE AND VITAMIN THERAPY, AIDS IN BUILDING OF BLOOD CELLS AND STIMULATION OF INTERNAL SECRETIONS OF THE TESTICLES AND NERVOUS DISORDERS.
Claims use since July 27, 1943.

Ser. No. 465,828. OXFORD PRODUCTS, INC., Cleveland, Ohio. Filed Dec. 16, 1943.

ESTRA-BETA

No claim is made to the word "Beta" apart from the mark.
FOR VITAMINS B_1, B_2, B_6, CALCIUM PANTOTHENATE, NIACIN, IRON, LIVER, AND YEAST.
Claims use since Aug. 23, 1943.

Ser. No. 465,845. LOTTE CHEMICAL COMPANY, INC., Paterson, N. J. Filed Dec. 17, 1943.

ACIDEX

FOR CHEMICAL COMPOSITIONS FOR THE CONTROL OF ACID PICKLING BATHS FOR METALS.
Claims use since Dec. 13, 1940.

Ser. No. 465,853. E. MARTIN STEINLAUF, doing business as The Carvacrol Mfg. Co., Norwalk, Conn. Filed Dec. 17, 1943.

Carvacol

FOR PREPARATION FOR ALLEVIATING PAIN WHILE UNDERGOING DENTAL TREATMENT AND FOR THE RELIEF OF TOOTHACHE.
Claims use since Jan. 17, 1921.

Ser. No. 465,924. LUCIEN LELONG, INC., Chicago, Ill. Filed Dec. 20, 1943.

ABRA CA DABRA

FOR TOILET WATER.
Claims use since Nov. 29, 1943.

Ser. No. 466,308. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Jan. 4, 1944.

ONYX BTC

FOR QUATERNARY AMMONIUM ANTISEPTIC COMPOUND FOR INDUSTRIAL ANTISEPTIC PURPOSES.
Claims use since August 1943.

Ser. No. 466,309. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Jan. 4, 1944.

ONYXSAN

FOR QUATERNARY AMMONIUM ANTISEPTIC COMPOUND FOR PHARMACEUTICAL PURPOSES.
Claims use since March 1938.

Ser. No. 466,383. ONCE LIFETIME STARCH CO., NOT INC., Chicago, Ill. Filed Jan. 7, 1944.

Once LIFETIME

FOR LAUNDRY STARCH.
Claims use since Feb. 10, 1943.

Ser. No. 466,499. HORLICK LABORATORIES, INC., Racine, Wis. Filed Jan. 11, 1944.

CYRON

FOR VITAMIN PREPARATION.
Claims use since Sept. 8, 1943.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 465,712. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed Dec. 11, 1943.

John Alden

The mark is the name of one of the characters in Longfellow's poem "The Courtship of Miles Standish."
FOR CIGARETTE CASES AND CIGARETTE HOLDERS OF NON-PRECIOUS METAL.
Claims use since May 25, 1942.

Ser. No. 466,389. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.



NAVAJO
ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.
FOR TOBACCO POUCHES.
Claims use since May 1, 1943.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 457,999. SLEIGHT METALLIC INK COMPANY OF PENNSYLVANIA, INC., Philadelphia, Pa. Filed Jan. 18, 1943.

MICR

FOR PRINTING, LITHOGRAPHING, DIE-STAMPING, PLATE-PRINTING INKS, AND INK-ADJUSTING COMPOUNDS.
Claims use on printing, lithographing, die-stamping, and plate-printing inks since March 1, 1923; and on ink-adjusting compounds since on or about July 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 463,253. THE CHAS. TAYLOR SONS CO., Cincinnati, Ohio. Filed Sept. 6, 1943.



Applicant disclaims the word "Sillimanite" apart from the mark.

FOR REFRACTORY CEMENTS, RAMMING MIXES, BRICKS, AND BLOCKS.

Claims use since November 1940.

Ser. No. 463,254. THE CHAS. TAYLOR SONS CO., Cincinnati, Ohio. Filed Sept. 6, 1943.



Applicant disclaims the name "Taylor" apart from the mark.

FOR REFRACTORY CEMENTS, RAMMING MIXES, BRICKS, AND BLOCKS.

Claims use since November 1940.

Ser. No. 463,255. THE CHAS. TAYLOR SONS CO., Cincinnati, Ohio. Filed Sept. 6, 1943.



Applicant disclaims the words "Taylor Sillimanite" apart from the mark.

FOR REFRACTORY CEMENTS, RAMMING MIXES, BRICKS, AND BLOCKS.

Claims use since 1925.

Ser. No. 465,065. GEORGE J. DONALDSON, doing business as Donaldson Floor Company, Rockford, Ill. Filed Nov. 17, 1943.

MAR-FLEX

FOR MAGNESITE CEMENT FLOORING.

Claims use since Jan. 1, 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 463,928. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Oct. 6, 1943.

Carpenter
NO. 158

The word "Carpenter" is disclaimed apart from the mark.

FOR ALLOY MOLD STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS AND SHAPES.

Claims use since 1914.

Ser. No. 466,090. KENSINGTON STEEL COMPANY, Chicago, Ill. Filed Dec. 27, 1943.

OROMANG

FOR MANGANESE AND STEEL AND ROUGH AND PARTLY FINISHED MANGANESE, AND STEEL CASTINGS.

Claims use since July 29, 1926.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 458,643. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio. Filed Feb. 19, 1943.

JEEPSTER

FOR AUTOMOBILES AND STRUCTURAL PARTS THEREOF.

Claims use since Feb. 11, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 463,709. WILLARD C. ROBINETTE, doing business as W. C. Robinette Company, South Pasadena, Calif. Filed Sept. 27, 1943.

MOTRON

FOR ELECTRONIC CONTROL APPARATUS FOR CONTROL OF INDUCTION MOTORS.

Claims use since Apr. 9, 1943.

Ser. No. 465,015. TUNG-SOL LAMP WORKS, INC., Newark, N. J. Filed Nov. 15, 1943.

US

FOR ELECTRONIC TUBES, INCANDESCENT ELECTRIC LAMPS, ELECTRIC HEAD LAMPS FOR AUTOMOBILES AND ELECTRIC FLASHERS.

Claims use since Oct. 14, 1943.

Ser. No. 465,977. CROWE NAME-PLATE & MANUFACTURING Co., Chicago, Ill. Filed Dec. 22, 1943.

CROPLASTIC

FOR THERMO-SETTING PLASTIC KNOBS FOR RADIO RECEIVING SETS.

Claims use since March 1941.

Ser. No. 465,978. CROWE NAME PLATE & MANUFACTURING Co., Chicago, Ill. Filed Dec. 22, 1943.

CROPREST

FOR ESCUTCHEONS FOR RADIO INSTRUMENTS MADE OF EMBOSSED SHEET PLASTICS.

Claims use since January 1941.

Ser. No. 465,979. CROWE NAME PLATE & MANUFACTURING Co., Chicago, Ill. Filed Dec. 22, 1943.

CRO-ART

FOR TUNING UNITS AND ESCUTCHEONS FOR RADIO RECEIVING SETS.

Claims use since December 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 462,320. NATIONAL TWIST DRILL & TOOL CO., Detroit, Mich. Filed July 26, 1943.

SUPER-TEM

FOR TWIST DRILLS, REAMERS, END MILLS, MILLING CUTTERS, HOBS AND COUNTERBORES.

Claims use since July 1937.

Ser. No. 466,175. ROTOGRAVURE ENGINEERING CO. OF MASS., East Boston, Mass. Filed Dec. 29, 1943.

HYROTO

FOR ROTOGRAVURE PRESSES AND LAMINATING AND COATING MACHINES.

Claims use since 1938.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 439,677. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Jan. 14, 1941.

WESTINGHOUSE
Laundromat

Applicant is the owner of registration No. 336,403, for the name "Westinghouse" registered under the 10-year proviso and registration No. 392,028, for the name "Westinghouse" registered under section 9 of the act of March 19, 1920.

FOR ELECTRIC LAUNDRY WASHERS.

Claims use since Oct. 26, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 465,302. THE TECHNICON CO., New York, N. Y. Filed Nov. 25, 1943.

AUTOTECHNICON

FOR AUTOMATIC IMMERSION APPARATUS USED IN THE PREPARATION OF HISTOLOGICAL SPECIMENS.

Claims use since Nov. 11, 1943.

Ser. No. 466,399. BAY STATE OPTICAL COMPANY, Attleboro, Mass. Filed Jan. 8, 1944.

BAYFAIR

FOR OPHTHALMIC MOUNTINGS.

Claims use since December 1935.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 465,917. GLENCO PRODUCTS CO., University City, Mo. Filed Dec. 20, 1943.

GLENCO
DUSTAWAY

FOR DRY MOPS AND DUSTERS EACH FORMED OF FABRIC STITCHED TO ENVELOP A BROOM OR THE LIKE.

Claims use since Oct. 10, 1922.

CLASS 37

PAPER AND STATIONERY

Ser. No. 465,070. INTERLAKE TISSUE MILLS CO. LIMITED, Toronto, Ontario, Canada. Filed Nov. 17, 1943.

Interlake

Applicant is the owner of Reg. No. 175,358.
FOR PAPER PRODUCTS—NAMELY, TOILET SEAT COVERS AND TOILET PAPER, PAPER NAPKINS AND TABLECLOTHS, PAPER TOWELS AND CELLUCOTTON PRODUCTS—NAMELY, CREPE AND TISSUE.
Claims use since Jan. 2, 1918.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 465,900. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

OUR OWN BUSINESS DIRECTORY
FOR MAGAZINE COLUMN.
Claims use since on or about May 20, 1939.

Ser. No. 466,108. SOLAR CORPORATION, Milwaukee, Wis., and Los Angeles, Calif. Filed Dec. 27, 1943.

SOLAR FLASH

FOR HOUSE ORGAN.
Claims use since Nov. 29, 1943.

Ser. No. 466,392. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.



NAVA JO
ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.
FOR PAINTINGS (BOTH OIL AND WATERCOLOR) AND DRAWINGS.
Claims use since May 1, 1943.

Ser. No. 466,619. NORTH AMERICAN AVIATION, INC., Inglewood, Calif. Filed Jan. 15, 1944.

Applied Ideas

FOR SHOP BULLETIN ISSUED PERIODICALLY.
Claims use since Sept. 7, 1943.

CLASS 39

CLOTHING

Ser. No. 447,187. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Sept. 19, 1941.

THE FORECAST

FOR LADIES' DRESSES, EVENING GOWNS AND WRAPS, SPORT AND DRESS COATS, SPORT AND DRESS SUITS, ENSEMBLE SUITS, SPORT AND DRESS HATS, AND SHOES AND SLIPPERS MADE OF LEATHER AND FABRIC.
Claims use since May 1, 1933.

Ser. No. 460,447. HARRIMAN HOSIERY MILLS, Harriman, Tenn. Filed May 6, 1943.

WEBSPUN

FOR HOSIERY.
Claims use since Apr. 8, 1941.

Ser. No. 461,589. BERTICE PAULINE GARRISON, doing business as Paula Garrison, Seattle, Wash. Filed June 22, 1943.

paula

FOR NIGHT GOWNS, PAJAMAS, SLEEP-COATS, HOUSE-COATS, AND HOSPITAL COATS.
Claims use since Aug. 20, 1934.

Ser. No. 465,022. THE GLEMBY COMPANY, INC., New York, N. Y. Filed Nov. 16, 1943.

Jean

FOR HAIR NETS OF THE TYPE KNOWN AS VEIL NETS.
Claims use since Dec. 1, 1919.

Ser. No. 465,025. THE GLEMBY COMPANY, INC., New York, N. Y. Filed Nov. 16, 1943.

Regina

FOR HAIR NETS OF THE TYPE KNOWN AS VEIL NETS.
Claims use since Aug. 1, 1919.

Ser. No. 465,026. THE GLEMBY COMPANY, INC., New York, N. Y. Filed Nov. 16, 1943.

Tulip

FOR HAIR NETS OF THE TYPE KNOWN AS VEIL NETS.
Claims use since May 1, 1922.

Ser. No. 465,476. THE GLEMBY COMPANY, INC., New York, N. Y. Filed Dec. 3, 1943.

MONOGRAM

FOR HAIR NETS OF THE TYPE KNOWN AS VEIL NETS.
Claims use since July 22, 1932.

Ser. No. 466,216. W. T. GRANT COMPANY, New York, N. Y. Filed Dec. 31, 1943.

Jack-O-Nap A
Tailored Sleepwear

Applicant disclaims the wording "A Tailored Sleepwear" except as shown.
FOR PAJAMAS FOR MEN AND BOYS.
Claims use since Dec. 1, 1941.

Ser. No. 466,393. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.



NAVA JO
ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.
FOR NECKTIES AND LEATHER BELTS (PLAIN LEATHER, AND LEATHER ORNAMENTED WITH SILVER OR ORNAMENTED WITH SILVER AND TURQUOISE, OR OTHER TRIMMING) FOR PERSONAL WEAR.
Claims use since May 1, 1943.

Ser. No. 466,444. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Jan. 10, 1944.

KENMOOR

FOR MENS' AND YOUNG MENS' OUTER CLOTHING—NAMELY, SUITS AND OVERCOATS.
Claims use since Sept. 20, 1922.

Ser. No. 466,461. MIKE SCHULMAN INC., New York, N. Y. Filed Jan. 10, 1944.

Marki

FOR WOMEN'S COATS AND SUITS.
Claims use since Dec. 10, 1943.

Ser. No. 466,462. SEMINOLE MANUFACTURING COMPANY, Columbus, Miss. Filed Jan. 10, 1944.

BALMY ISLE

FOR MEN'S AND BOYS' SPORT SHIRTS.
Claims use since Dec. 1, 1943.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 465,395. KROUT & FITE MANUFACTURING COMPANY, Philadelphia, Pa. Filed Nov. 30, 1943.

FLEXOTAPE

FOR TAPE FOR USE AS A FOUNDATION FOR ZIPPER FASTENERS.
Claims use since Oct. 29, 1943.

Ser. No. 466,394. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.



NAVA JO
ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.
FOR PILLOW TOPS OF HAND-WOVEN MATERIAL.
Claims use since May 1, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 466,142. BOTANY WORSTED MILLS, Passaic, N. J. Filed Dec. 29, 1943.

"ON-THE-BEAM FABRICS"
No claim is made to the word "Fabrics" apart from the mark.
FOR WOOLEN PIECE GOODS.
Claims use since Dec. 9, 1943.

Ser. No. 466,497. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 11, 1944.



SEMINOLE

ARTS AND CRAFTS

Applicant disclaims the phrase "Arts and Crafts" except as shown.

FOR COTTON PATCHWORK WALL HANGINGS AND WINDOW HANGINGS.

Claims use since June 1, 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 465,690. LEO PETERS, Oklahoma City, Okla. Filed Dec. 10, 1943.

WEALTH

FOR NONALCOHOLIC MALTLESS BEVERAGES, AND PARTICULARLY FOR CARBONATED BEVERAGES CONTAINING A FLAVORING SYRUP.

Claims use since Nov. 29, 1943.

Ser. No. 466,244. THE WHIPPLE COMPANY, Natick, Mass. Filed Dec. 31, 1943.

Grandmother's

FOR SIRUPS FOR MAKING SOFT DRINKS.

Claims use since June 21, 1919.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 445,781. BENNETT RUSSELL, Yakima, Wash. Filed July 30, 1941.

SUN COTS

No claim is made to the representation of an apricot apart from the mark.

FOR JELLY, MARMALADE, FRUIT PRESERVES, CANNED APRICOTS, FRESH FRUIT—NAMELY, FRESH APRICOTS, DRIED FRUIT, AND DRIED APRICOTS.

Claims use since May 1, 1941.

Ser. No. 457,289. JOSEPH TETLEY & CO., INC., New York, N. Y. Filed Dec. 8, 1942. Under section 5b of the act of 1905, as amended in 1920.

TETLEY

Applicant is the owner of trade-mark registration No. 404,408, for the name "Tetley" and effective under the 10-year proviso.

FOR SOUP MIX.

Claims use since Nov. 7, 1942.

Ser. No. 457,912. GLASER CRANDELL CO., Chicago, Ill. Filed Jan. 14, 1943.

DERBY

Applicant is the owner of trade-mark 323,182, registered Apr. 2, 1935.

FOR PREPARED MUSTARD; PREPARED MUSTARD, SALAD STYLE; PREPARED MUSTARD, METROPOLITAN STYLE.

Claims use since 1890.

Ser. No. 462,800. NEW JERSEY ITALIAN FOOD PRODUCTS CO., Newark, N. J. Filed Aug. 17, 1943.

ALESCO

FOR SALT.

Claims use since August 1940.

Ser. No. 464,419. THE C. M. PITT & SONS COMPANY, Baltimore, Md. Filed Oct. 26, 1943.

Velvet

FOR DRAINED FRUITS, PRESERVED FRUITS AND CRUSHED, PRESERVED FRUITS FOR ICE CREAM MANUFACTURERS AND SODA FOUNTAINS, MARASCHINO CHERRIES BOTH BOTTLED AND IN BULK, CHOCOLATE SYRUPS FOR FOOD PURPOSES, NUT MEATS IN SYRUP FOR FOOD PURPOSES, MINCE MEAT, AND MARSHMALLOW TOPPING.

Claims use since June 1914 on preserved fruits and mince meat; and since February 1924 on all other items.

Ser. No. 464,614. LAFOND CANDY KITCHEN, INC., New York, N. Y. Filed Nov. 2, 1943.

VITARELLA

FOR CANDY.

Claims use since August 1943.

Ser. No. 464,615. LAFOND CANDY KITCHEN, INC., New York, N. Y. Filed Nov. 2, 1943.

VITAREX

FOR CANDY.

Claims use since August 1943.

Ser. No. 465,855. ADAMS CANDY COMPANY, Dallas, Tex. Filed Dec. 18, 1943.

BURNT OFFERING

No claim is made to the word "Burnt" apart from the mark.

FOR CANDY.

Claims use since Nov. 1, 1934.

Ser. No. 465,877. SPRING GREEN CREAMERY AND CHEESE INDUSTRY, INC., Spring Green, Wis. Filed Dec. 18, 1943.



The word "Edam" is disclaimed apart from the mark.

FOR CHEESE.

Claims use since Oct. 2, 1943.

Ser. No. 465,878. SPRING GREEN CREAMERY AND CHEESE INDUSTRY, INC., Spring Green, Wis. Filed Dec. 18, 1943.



The word "Gouda" is disclaimed apart from the mark.

FOR CHEESE.

Claims use since Oct. 2, 1943.

Ser. No. 466,077. NICK GOTSIS, Nogales, Ariz. Filed Dec. 27, 1943.

TRI-NATION

FOR FRESH VEGETABLES—NAMELY, FRESH TOMATOES.

Claims use since 1937.

Ser. No. 466,079. F. H. HOGUE COMPANY, Yuma, Ariz. Filed Dec. 27, 1943.



The picture is fanciful.

FOR FRESH VEGETABLES.

Claims use since Dec. 7, 1943.

Ser. No. 466,223. KANNENGIESSER & COMPANY, New York, N. Y. Filed Dec. 31, 1943.

Kanana

FOR FLAKED DRIED BANANAS.

Claims use since Sept. 21, 1942.

Ser. No. 466,248. THE AMBURGO COMPANY, Philadelphia, Pa. Filed Jan. 1, 1944.

Semisol

FOR SEMI-SOLID DISTILLER'S SOLUBLES FOR LIVESTOCK FEEDING.

Claims use since Oct. 25, 1943.

Ser. No. 466,310. PRODUCER-CANNER'S COOPERATIVE, INC., North Collins, N. Y. Filed Jan. 4, 1944.

PRO CAN

Applicant disclaims the term "Can" separately from the mark.

FOR CANNED VEGETABLES AND TOMATO PASTE.

Claims use since Oct. 20, 1943.

Ser. No. 466,427. CALIFORNIA FARM PRODUCTS COMPANY, Salinas, Calif. Filed Jan. 10, 1944.

Califarm

FOR FRESH VEGETABLES.
Claims use since Oct. 31, 1943.

Ser. No. 466,599. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Filed Jan. 14, 1944.

Fairhill

Applicant is the owner of trade-mark registration No. 299,897, dated Dec. 27, 1932.
FOR CANDY.
Claims use since Dec. 21, 1943.

Ser. No. 466,631. ALLIED FOODS, Los Angeles, Calif. Filed Jan. 17, 1944.

Doodle-Dandy

FOR PICKLED CHILES AND SPICED PICKLED CUCUMBERS.
Claims use since Dec. 20, 1943.

Ser. No. 466,650. RUDY HINDS & COMPANY, Phoenix, Ariz. Filed Jan. 17, 1944.

BRASS TACK

FOR FRESH VEGETABLES.
Claims use since Dec. 12, 1943.

Ser. No. 466,750. HARRY J. THEOBALD, doing business as The Theobald Industries, Kearney, N. J. Filed Jan. 20, 1944.

WAG

Applicant is owner of trade-mark certificate No. 311,024, dated Mar. 13, 1934.
FOR DOG FOOD.
Claims use since June 1, 1933.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 463,227. COLONIAL PROCESS SUPPLY CO., New York, N. Y. Filed Sept. 4, 1943.

Fotetch FILM

No claim is made to the word "Film" except as shown.
FOR NON-SENSITIZED PHOTOGRAPHIC FILM.
Claims use since July 1, 1943.

Ser. No. 464,387. GLADYS BALES, doing business as The G. Bales Company, Kansas City, Mo. Filed Oct. 25, 1943.

KINDAKRAFT

FOR HOLDER FOR HABIT FORMING CHARTS IN THE NATURE OF AN ANIMAL CUT OUT OF SHEET MATERIAL AND HAVING A FABRIC TAIL.
Claims use since Oct. 18, 1943.

Ser. No. 465,411. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio. Filed Dec. 1, 1943.

COL-O-VIN

FOR WOVEN TEXTILE FABRIC IN THE PIECE PROCESSED TO MAKE IT WATER REPELLENT.
Claims use since Apr. 27, 1943.

Ser. No. 465,412. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio. Filed Dec. 1, 1943.

COL-O-PRENE

FOR WOVEN TEXTILE FABRIC IN THE PIECE PROCESSED TO MAKE IT WATER REPELLENT.
Claims use since Oct. 29, 1943.

Ser. No. 465,741. GLOBE AMERICAN CORPORATION, doing business as Makomb Steel Products Company, Kokomo, Ind. Filed Dec. 13, 1943.

Saveway

FOR POULTRY HOUSE EQUIPMENT—SPECIFICALLY, POULTRY FOUNTAINS, FEEDERS, BROODERS, AND LAYING CAGES.
Claims use since Nov. 20, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 14, 1944

406,113. TOILET WATER, BATH OIL, BATH FOAM; A PREPARATION WHICH WHEN ADDED TO THE BATH CAUSES THE FORMATION OF FOAM, ETC. MARTIN DE BOTELHO, doing business as Alexandra de Markoff, New York, N. Y.
Filed May 28, 1940. Serial No. 432,428. PUBLISHED SEPTEMBER 10, 1940. Class 6.

406,114. SATURATED FELT BASE ROOFING AND SIDING PRODUCTS IN THE FORM OF SHINGLES AND SIDINGS AS STRIPS, UNITS, AND ROLLS—NAMELY, ASPHALT SHINGLES, ASPHALT SIDINGS, MINERAL SURFACED ROLL ROOFINGS, AND SMOOTH SURFACED ROLL ROOFINGS. THE CELOTEX CORPORATION, Chicago, Ill.
Filed June 6, 1940. Serial No. 432,713. PUBLISHED JANUARY 4, 1944. CLASS 12.

406,115. GLASS FOR USE IN THE MANUFACTURE OF VARIOUS ARTICLES OF GLASSWARE. CORNING GLASS WORKS, Corning, N. Y.
Filed October 24, 1940. Serial No. 437,238. PUBLISHED JANUARY 4, 1944. Class 1.

406,116. PERIODICAL. HOUSE ORGAN OF THE ASSOCIATED INDUSTRIES OF MASSACHUSETTS. ASSOCIATED INDUSTRIES OF MASSACHUSETTS, Boston, Mass.
Filed July 2, 1941. Serial No. 445,003. PUBLISHED FEBRUARY 2, 1943. Class 38.

406,117. ELECTRICALLY OPERATED FLOOR POLISHERS AND CLEANERS. M. & C. MAINTENANCE CO., St. Paul, Minn.
Filed July 12, 1941. Serial No. 445,293. PUBLISHED JANUARY 4, 1944. Class 21.

406,118. LIPSTICK, LIP ROUGE, ROUGE FOR THE FACE, FACE POWDER, BODY POWDER, EYE SHADOW, EYE LASH DARKENER, NAIL POLISHES OR ENAMELS; CREAMS, LOTIONS, AND OINTMENTS FOR THE SKIN; SHAMPOO, SCALP PREPARATIONS, HAIR DRESSINGS, ANTISEPTICS, AND PERFUMES. DERMETICS, INC., Seattle, Wash.
Filed August 23, 1941. Serial No. 446,489. PUBLISHED DECEMBER 28, 1943. Class 6.

406,119. REPRODUCTIONS OF PHOTOGRAPHIC PRINTS AND ILLUSTRATIONS IN HALF-TONE HAVING SPECIAL CHARACTERISTICS PERMITTING THE MAKING OF PRINTING PLATES THEREFROM. REPRO-TONE COMPANY, Kansas City, Mo.
Filed September 8, 1941. Serial No. 446,892. PUBLISHED JANUARY 4, 1944. Class 38.

406,120. PERIODICAL PUBLICATION DEVOTED TO MATTERS OF INTEREST TO NATIONAL INDUSTRY. MAGAZINES OF INDUSTRY, INC., New York, N. Y.
Filed December 9, 1941. Serial No. 449,325. PUBLISHED JANUARY 5, 1943. Class 38.

406,121. METALLIC RODS AND ELEMENTS FOR REPAIRING CRACKED AND BROKEN CASTINGS OF STEEL, IRON, OR OTHER METALS. THE WELDIZE CORPORATION, Brooklyn, N. Y.
Filed April 24, 1942. Serial No. 452,572. PUBLISHED DECEMBER 14, 1943. Class 14.

406,122. ELECTRICALLY OPERATED DETECTING AND ALARM SYSTEMS HAVING A MECHANICAL VIBRATION-ELECTRICAL TRANSDUCER, ETC. AUTOMATIC ALARMS, INCORPORATED, Youngstown, Ohio.
Filed September 4, 1942. Serial No. 455,320. PUBLISHED JANUARY 4, 1944. Class 21.

406,123. BLOTTERS. DANIEL A. RUEBEL, St. Louis, Mo.
Filed September 14, 1942. Serial No. 455,518. PUBLISHED JANUARY 4, 1944. Class 37.

406,124. ANALGESIC TABLETS. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed October 21, 1942. Serial No. 456,318. PUBLISHED JANUARY 12, 1943. Class 6.

406,125. CONCENTRATES, SYRUPS, FLAVORS, COMPOUNDS, AND EXTRACTS FOR USE IN THE MANUFACTURE OF NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. KOGAR PRODUCTS CO., INC., New York, N. Y.
Filed December 16, 1942. Serial No. 457,441. PUBLISHED MAY 11, 1943. Class 45.

406,126. COSMETIC IN THE NATURE OF A SOLIDIFIED CREAM USED FOR A MAKE-UP BASE. MAX FACTOR & CO., Los Angeles, Calif.
Filed December 21, 1942. Serial No. 457,543. PUBLISHED JULY 20, 1943. Class 6.

406,127. COSMETIC IN THE NATURE OF A SOLIDIFIED CREAM USED FOR A MAKE-UP BASE. MAX FACTOR & CO., Los Angeles, Calif.
Filed December 21, 1942. Serial No. 457,544. PUBLISHED JULY 20, 1943. Class 6.

406,128. VITAMIN CAPSULES. THE GROVE LABORATORIES, INC., Wilmington, Del., and St. Louis, Mo.
Filed January 14, 1943. Serial No. 457,913. PUBLISHED MAY 25, 1943. Class 6.

406,129. WHEAT GERM OIL CAPSULES, HALIBUT LIVER OIL CAPSULES, AND VITAMIN CAPSULES. PRODUCTS CORPORATION OF AMERICA, Chicago, Ill., and St. Louis, Mo.
Filed February 4, 1943. Serial No. 458,338. PUBLISHED MARCH 23, 1943. Class 6.

406,130. CLINICAL THERMOMETERS, HYPODERMIC SYRINGES, URETHRAL SYRINGES, EYE DROPPERS, IRRIGATORS, ASPIRATORS, HYPODERMIC NEEDLES, SURGICAL BANDAGES, MILKING TUBES, CATHETERS, AND SURGICAL NEEDLES, ETC. EISELE & COMPANY, Nashville, Tenn.
Filed February 10, 1943. Serial No. 458,457. PUBLISHED JANUARY 4, 1944. Class 44.

406,131. MEN'S SUITS AND TOPCOATS. EDWARD REED, LTD., New York, N. Y.
Filed February 16, 1943. Serial No. 458,577. PUBLISHED DECEMBER 28, 1943. Class 39.

406,132. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF SEASICKNESS. GEORGE GALLOWHUR, New York, N. Y.
Filed March 10, 1943. Serial No. 459,002. PUBLISHED DECEMBER 28, 1943. Class 6.

406,133. LETTER AND CARD FILING CASES; FILE CASES AND CABINETS WITH INSULATED WALLS; SECTIONAL DRAWER VISIBLE FILING CASES AND BASE, CABINET, DRAWER, TOP, AND HANGER PARTS THEREOF; ETC. DIEBOLD SAFE & LOCK COMPANY, Canton, Ohio, now by change of name Diebold, Incorporated.
Filed April 6, 1943. Serial No. 459,654. PUBLISHED JANUARY 4, 1944. Class 32.

406,134. PERFUME. PRINCE MATCHABELLI, INC., New York, N. Y.
Filed April 8, 1943. Serial No. 459,707. PUBLISHED DECEMBER 28, 1943. Class 6.

406,135. FACE POWDER, ROUGE, AND MAKE-UP BASE. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed April 21, 1943. Serial No. 460,070. PUBLISHED DECEMBER 28, 1943. Class 6.

406,136. TRUCK CASTER WHEELS. FAULTLESS CASTER CORPORATION, Evansville, Ind.
Filed April 30, 1943. Serial No. 460,291. PUBLISHED JUNE 29, 1943. Class 19.

406,137. EGG CANDLING MACHINES. THE BRAMSON MANUFACTURING CO., Chicago, Ill.
Filed May 5, 1943. Serial No. 460,415. PUBLISHED JANUARY 4, 1944. Class 26.

406,138. WATCHES. BENRUS WATCH COMPANY, New York, N. Y.
Filed May 10, 1943. Serial No. 460,516. PUBLISHED JANUARY 4, 1944. Class 27.

406,139. VITAMINS AND VITAMIN COMBINATIONS. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y.
Filed May 21, 1943. Serial No. 460,820. PUBLISHED AUGUST 17, 1943. Class 6.

406,140. WINES. WINE PACKERS, Chester, W. Va.
Filed June 1, 1943. Serial No. 461,085. PUBLISHED DECEMBER 14, 1943. Class 47.

406,141. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed June 4, 1943. Serial No. 461,133. PUBLISHED AUGUST 17, 1943. Class 6.

406,142. FEMININE WEARING APPAREL—NAMELY, BED JACKETS; SPORT JACKETS; ANKLETS; SHOES, BEACH SHOES AND PLAY SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THE SAME; ETC. RAINBOW SHOPS, INC., Brooklyn, N. Y.
Filed June 7, 1943. Serial No. 461,208. PUBLISHED DECEMBER 28, 1943. Class 39.

406,143. SOIL SULPHUR. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed June 14, 1943. Serial No. 461,394. PUBLISHED DECEMBER 28, 1943. Class 10.

406,144. FABRICS IN THE PIECE MADE OF WOOL, WORSTED, SILK, COTTON, LINEN, OR RAYON, OR ANY COMBINATION THEREOF. A-Q MILLS, Timmonsville, S. C.
Filed June 15, 1943. Serial No. 461,406. PUBLISHED DECEMBER 21, 1943. Class 42.

406,145. DRAWING PAPER, TRACING PAPER, MOUNTING PAPER, PAPER PADS, BLUEPRINT PAPER, PAPER DRAWING BOARDS, ETC. H. BEHLEN & BRO., INC., New York, N. Y.
Filed June 16, 1943. Serial No. 461,429. PUBLISHED JANUARY 4, 1944. Class 37.

406,146. WHISKEY. DOWLING BROS. DISTILLING CO. INCORPORATED, Burgin, Ky., and Cincinnati, Ohio.
Filed June 21, 1943. Serial No. 461,551. PUBLISHED DECEMBER 28, 1943. Class 49.

406,147. WHISKEY. DOWLING BROS. DISTILLING CO. INCORPORATED, Burgin, Ky., and Cincinnati, Ohio.
Filed June 21, 1943. Serial No. 461,552. PUBLISHED DECEMBER 28, 1943. Class 49.

406,148. ETHICAL PREPARATION FOR INTERNAL ADMINISTRATION IN PROPHYLAXIS AND TREATMENT OF ALLERGIC CONDITIONS. WINTHROP PRODUCTS INC., New York, N. Y.
Filed June 28, 1943. Serial No. 461,728. PUBLISHED SEPTEMBER 7, 1943. Class 6.

406,149. WHISKEY. DILLINGER DISTILLERIES, INC., Ruffsdale and Philadelphia, Pa.
Filed July 3, 1943. Serial No. 461,841. PUBLISHED DECEMBER 28, 1943. Class 49.

406,150. WHISKEY, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed July 6, 1943. Serial No. 461,896. PUBLISHED JANUARY 4, 1944. Class 49.

406,151. MAGAZINE PUBLISHED PERIODICALLY, THE SUBJECT MATTER OF WHICH RELATES TO PERSONAL ACTIVITIES OF THE EMPLOYEES OF THE COMPANY AND WHICH IS INTENDED TO CIRCULATE AMONG THE EMPLOYEES OF THE COMPANY. JACOBS AIRCRAFT ENGINE COMPANY, Pottstown, Pa.
Filed July 9, 1943. Serial No. 461,953. PUBLISHED JANUARY 4, 1944. Class 38.

406,152. INSECTICIDES. KENTUCKY COLOR & CHEMICAL CO., Louisville, Ky.
Filed July 9, 1943. Serial No. 461,954. PUBLISHED SEPTEMBER 7, 1943. Class 6.

406,153. TOILET PREPARATIONS FOR THE HANDS AND NAILS, TOILET CREAMS AND NAIL VARNISH. KEENE'S LABORATORIES LIMITED, London, England.
Filed August 14, 1943. Serial No. 462,752. PUBLISHED DECEMBER 28, 1943. Class 6.

406,154. NON-ALCOHOLIC, MALTLESS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING SAME. MONROE HARRISON, Chicago, Ill.
Filed August 13, 1943. Serial No. 462,711. PUBLISHED DECEMBER 14, 1943. Class 45.

406,155. WINES. LUCIEN ARDIN, INC., New York, N. Y.
Filed August 14, 1943. Serial No. 462,737. PUBLISHED JANUARY 4, 1944. Class 47.

406,156. CIGARETTES, CIGARS, SNUFF TOBACCO, PIPE TOBACCO, CHEWING TOBACCO, LEAF TOBACCO, CIGAR TOBACCO, CIGARETTE TOBACCO, AND TOBACCO WRAPPERS FOR CIGARETTES—NAMELY, TOBACCO LEAVES. LANE TOBACCO LTD., New York, N. Y.
Filed August 17, 1943. Serial No. 462,805. PUBLISHED JANUARY 4, 1944. Class 17.

406,157. FOUNDRY SHAKEOUTS. ROBINS CONVEYORS INCORPORATED, Passaic, N. J.
Filed August 24, 1943. Serial No. 462,972. PUBLISHED OCTOBER 26, 1943. Class 23.

406,158. VETERINARY SYNTHETIC ESTROGENIC PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed August 30, 1943. Serial No. 463,087. PUBLISHED NOVEMBER 16, 1943. Class 6.

406,159. PREHEATED, OIL TREATED, AND SALTED SOYA BEANS. SOYAJOY FOOD COMPANY, Mount Vernon, N. Y.
Filed September 2, 1943. Serial No. 463,183. PUBLISHED JANUARY 4, 1944. Class 46.

406,160. SULPHATE PAPER FOR USE IN THE MANUFACTURE OF WRAPPING PAPER, BOTH BLEACHED AND UNBLEACHED, KRAFT BUTCHER'S WRAPPING PAPER, BOTH BLEACHED AND UNBLEACHED, ETC. CROSSETT LUMBER COMPANY, also doing business as Crossett Paper Mills, Crossett, Ark.
Filed September 10, 1943. Serial No. 463,314. PUBLISHED JANUARY 4, 1944. Class 37.

406,161. BRANDY. RODOLFO M. GARZA, Monterrey, Mexico.
Filed September 13, 1943. Serial No. 463,380. PUBLISHED JANUARY 4, 1944. Class 49.

406,162. CARBONATED BEVERAGES SOLD AS SOFT DRINKS. ZETZ 7UP BOTTLING COMPANY, INC., New Orleans, La.
Filed September 18, 1943. Serial No. 463,502. PUBLISHED DECEMBER 7, 1943. Class 45.

406,163. PERFUMES. PARFUMS WEIL PARIS CO., New York, N. Y.
Filed September 21, 1943. Serial No. 463,552. PUBLISHED JANUARY 4, 1944. Class 6.

406,164. COMPOUND FOR THE TREATMENT OF GONORRHOEA. ABBOTT LABORATORIES, North Chicago, Ill.
Filed September 22, 1943. Serial No. 463,563. PUBLISHED NOVEMBER 23, 1943. Class 6.

406,165. JEWELRY CLIPS, BROOCHES, BRACELETS, LOCKETS, AND EARRINGS MADE IN WHOLE, OR COMBINATIONS OF CERAMICS, LUCITE, AND PLEXIGLASS. ELZAC CALIFORNIA JEWELRY CREATIONS, Los Angeles, Calif.
Filed September 24, 1943. Serial No. 463,622. PUBLISHED JANUARY 4, 1944. Class 28.

406,166. FACE CREAMS, TALCUM POWDERS, FACE POWDERS, PERFUMES, AND TOILET WATERS. THE BOYD MANUFACTURING COMPANY, INC., Birmingham, Ala.
Filed September 27, 1943. Serial No. 463,719. PUBLISHED DECEMBER 28, 1943. Class 6.

406,167. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, FOR SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING THE SAME, AND FOR CARBONATED AND MINERAL WATERS. COLFAX MINERAL SPRINGS CO. INC., Colfax, Iowa.
Filed September 28, 1943. Under 10-year proviso. Serial No. 463,725. PUBLISHED DECEMBER 28, 1943. Class 45.

406,168. SOAPS. MARIA DANICA LABORATORIES CORPORATION, New York, N. Y.
Filed September 28, 1943. Serial No. 463,727. PUBLISHED JANUARY 4, 1944. Class 4.

406,169. PRINTING INKS. LEWIS ROBERTS, INC., Newark, N. J.
Filed September 29, 1943. Serial No. 463,761. PUBLISHED JANUARY 4, 1944. Class 11.

406,170. PLAIN AND INLAID LINOLEUM WITH OR WITHOUT WOVEN OR FELTED FABRIC BACKING, LINOLEUM TILE, CORK TILE, CORK CARPET, AND ENAMELED SURFACE FELT BASE RUGS AND YARD GOODS. CONGOLEUM-NAIRN INC., Kearny, N. J.
Filed October 1, 1943. Serial No. 463,809. PUBLISHED DECEMBER 28, 1943. Class 20.

406,171. RUM. ASCHE-BANDOR CORPORATION, New York, N. Y.
Filed October 2, 1943. Serial No. 463,827. PUBLISHED JANUARY 4, 1944. Class 49.

406,172. PERIODICAL. MILTON B. SLEEPER, doing business as FM Company, New York, N. Y.
Filed October 8, 1943. Serial No. 464,006. PUBLISHED DECEMBER 28, 1943. Class 38.

406,173. BOTTOMS FOR BINS USED AS CONTAINERS, BUCKETS MADE OF METAL, BURIAL CASKETS, HOPPERS USED AS RECEPTACLES, STORAGE TANKS, SEPTIC TANKS, AND VATS. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans.
Filed October 9, 1943. Serial No. 464,017. PUBLISHED JANUARY 4, 1944. Class 2.

406,174. ESTROGENIC HORMONE PREPARATION. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed October 9, 1943. Serial No. 464,022. PUBLISHED DECEMBER 28, 1943. Class 6.

406,175. COMPOSITIONS FOR DEHUMIDIFYING AIR AND OTHER GASES. THE DICALITE COMPANY, Los Angeles, Calif.
Filed October 13, 1943. Serial No. 464,105. PUBLISHED JANUARY 4, 1944. Class 6.

406,176. MAGAZINES PUBLISHED PERIODICALLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed October 13, 1943. Serial No. 464,112. PUBLISHED DECEMBER 28, 1943. Class 38.

406,177. BURIAL CASKETS, COFFINS, AND CASKET AND COFFIN HANDLES. NEW YORK & BROOKLYN CASKET CO., Brooklyn, N. Y.
Filed October 14, 1943. Serial No. 464,141. PUBLISHED JANUARY 4, 1944. Class 2.

406,178. FACE CREAMS, FACE LOTIONS, FACE POWDER, LIPSTICKS, ROUGE, MASCARA, EYE SHADOW. ELMO SALES CORPORATION, Philadelphia, Pa.
Filed October 15, 1943. Serial No. 464,160. PUBLISHED DECEMBER 28, 1943. Class 6.

406,179. COSMETICS—NAMELY, FACE MAKE UP FOUNDATION PREPARATION. ELISABETH RAE LAMONT, doing business as Elisabeth Rae, New York, N. Y.
Filed October 15, 1943. Serial No. 464,173. PUBLISHED DECEMBER 28, 1943. Class 6.

406,180. FRESH VEGETABLES. W. B. WILLIAMS, Centerville, Calif.
Filed October 15, 1943. Serial No. 464,192. PUBLISHED DECEMBER 21, 1943. Class 46.

406,181. NEWSPAPER SECTION OR DEPARTMENT. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed October 16, 1943. Serial No. 464,198. PUBLISHED JANUARY 4, 1944. Class 38.

406,182. CARBONATED, NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS. THE SEVEN UP COMPANY, St. Louis, Mo.
Filed October 18, 1943. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 464,233. PUBLISHED DECEMBER 21, 1943. Class 45.

406,183. MONTHLY PUBLICATION CONTAINING ILLUSTRATIONS AND INFORMATION OF SCIENTIFIC, ACADEMIC, AND SOCIAL NATURE RELATING TO APPLICANT'S ACTIVITIES AND ALSO ARTICLES OF FICTION. CONTROL INSTRUMENT COMPANY, INC., Brooklyn, N. Y.
Filed October 19, 1943. Serial No. 464,247. PUBLISHED JANUARY 4, 1944. Class 38.

406,184. KIDNEY EXTRACT FOR INTRAVENOUS USE IN HYPERTENSION AND FUNCTIONAL HEART DEFICIENCY. GEORGE O. JARVIS, San Francisco, Calif.
Filed October 19, 1943. Serial No. 464,250. PUBLISHED DECEMBER 28, 1943. Class 6.

406,185. DUODENAL EXTRACT FOR SUBCUTANEOUS OR INTRAVENOUS USE FOR GLAUCOMA AND ALLERGIES. CLARENCE M. WOLF, Reno, Nev.
Filed October 19, 1943. Serial No. 464,258. PUBLISHED DECEMBER 28, 1943. Class 6.

406,186. TOY CARTS MOUNTING ANIMAL FIGURES. URSAL K. BUTLER, doing business as New Enterprises, Winston-Salem, N. C.
Filed October 20, 1943. Serial No. 464,264. PUBLISHED JANUARY 4, 1944. Class 22.

406,187. IMITATION LEMON CONCENTRATED FOR THE MAKING OF NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. MAURICE LATZ, doing business as Maurice D. Latz Co., New York, N. Y.
Filed October 20, 1943. Serial No. 464,269. PUBLISHED DECEMBER 28, 1943. Class 45.

406,188. VITAMINIC COMPOSITION. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed October 20, 1943. Serial No. 464,280. PUBLISHED DECEMBER 28, 1943. Class 6.

406,189. PRINTED PRESS RELEASES ISSUED FROM TIME TO TIME, CONTAINING NEWS AND NEWS FEATURES PREPARED FOR ORAL OR VISUAL PRESENTATION. UNITED PRESS ASSOCIATIONS, New York, N. Y.
Filed October 20, 1943. Serial No. 464,291. PUBLISHED DECEMBER 28, 1943. Class 38.

406,190. PRINTED PRESS RELEASES ISSUED FROM TIME TO TIME, CONTAINING NEWS AND NEWS FEATURES PREPARED FOR ORAL OR VISUAL PRESENTATION. UNITED PRESS ASSOCIATIONS, New York, N. Y.
Filed October 20, 1943. Serial No. 464,292. PUBLISHED DECEMBER 28, 1943. Class 38.

406,191. MEN'S AND WOMEN'S PANTS—NAMELY, SLACKS. APOLLO SPORTSWEAR COMPANY, INC., New York, N. Y., now by change of name Alpo Sportswear Company, Inc.
Filed October 21, 1943. Serial No. 464,299. PUBLISHED DECEMBER 28, 1943. Class 39.

406,192. SMOKING TOBACCO. GORDON PIPE CO., New York, N. Y.
Filed October 21, 1943. Serial No. 464,310. PUBLISHED JANUARY 4, 1944. Class 17.

406,193. LIQUID WEED KILLERS. READE MANUFACTURING COMPANY, Jersey City, N. J.
Filed October 21, 1943. Serial No. 464,318. PUBLISHED DECEMBER 28, 1943. Class 6.

406,194. LADIES' AND MISSES' SWEATERS. RO-NAT SPORTWEAR, CO., New York, N. Y.
Filed October 21, 1943. Serial No. 464,320. PUBLISHED DECEMBER 28, 1943. Class 39.

406,195. CUTTING OIL. THE TEXAS COMPANY, New York, N. Y.
Filed October 21, 1943. Serial No. 464,324. PUBLISHED JANUARY 4, 1944. Class 15.

406,196. LEAD PENCILS AND RUBBER ERASERS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed October 22, 1943. Serial No. 464,335. PUBLISHED JANUARY 4, 1944. Class 37.

406,197. VITAMIN COMPOSITION. WILLIAM R. WARNER & CO., INC., Wilmington, Del., and New York, N. Y.
Filed October 22, 1943. Serial No. 464,364. PUBLISHED DECEMBER 28, 1943. Class 6.

406,198. MEDICATED NEST EGG FOR KILLING VERMIN AND FOR USE AS A DISINFECTANT. JOHN G. BOOTH, doing business as Booth Chemical Laboratories, Gallatin, Tenn.
Filed October 23, 1943. Serial No. 464,365. PUBLISHED JANUARY 4, 1944. Class 6.

406,199. SYNTHETIC RESIN MOLDING POWDERS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed October 23, 1943. Serial No. 464,372. PUBLISHED JANUARY 4, 1944. Class 1.

406,200. VITAMIN TABLET USED IN TREATMENT OF GRAY HAIR WHEN DUE TO A VITAMIN DEFICIENCY. O. Z. DUNLAP, doing business as Vitachrome Co., Omaha, Nebr.
Filed October 25, 1943. Serial No. 464,388. PUBLISHED JANUARY 4, 1944. Class 6.

406,201. CANNED FOOD PRODUCTS—NAMELY, CANNED VEGETABLES. SEBASTIANI CANNING CO., Grand Junction, Colo.
Filed October 25, 1943. Serial No. 464,404. PUBLISHED JANUARY 4, 1944. Class 46.

406,202. CANDY-COATED LAXATIVE TABLETS. G. E. MCKEWEN & CO., Baltimore, Md.
Filed October 27, 1943. Serial No. 464,441. PUBLISHED JANUARY 4, 1944. Class 6.

406,203. DRINKING STRAWS. NATIONAL SODA STRAW COMPANY, Chicago, Ill.
Filed October 27, 1943. Serial No. 464,443. PUBLISHED JANUARY 4, 1944. Class 50.

406,204. CIGARS. NATIONAL CIGAR CORPORATION, Wilmington, Del., Frankfort, Ind., and Cincinnati, Ohio.
Filed October 28, 1943. Serial No. 464,487. PUBLISHED JANUARY 4, 1944. Class 17.

406,205. FEATURE PAGE OR COLUMN OF A WEEKLY PERIODICAL. SCHOLASTIC CORPORATION, New York, N. Y.
Filed October 28, 1943. Serial No. 464,490. PUBLISHED DECEMBER 28, 1943. Class 38.

406,206. NIGHTGOWNS AND SLIPS FOR WOMEN AND GIRLS. TEXTRON, INC., Providence, R. I.
Filed October 28, 1943. Serial No. 464,492. PUBLISHED DECEMBER 28, 1943. Class 39.

406,207. FINELY DIVIDED AND SUBSTANTIALLY PURE METALLIC IRON REDUCED BY HYDROGEN FOR USE AS A CONSTITUENT OF VARIOUS MEDICINES, CHEMICALS, AND PHARMACEUTICAL PREPARATIONS. THOMAS A. EDISON, INCORPORATED, West Orange, N. J.
Filed October 30, 1943. Serial No. 464,536. PUBLISHED JANUARY 4, 1944. Class 6.

406,208. ANT POISON. C. C. MARKLE, also doing business as City Chemical Co., Auburn, Ala.
Filed October 30, 1943. Serial No. 464,541. PUBLISHED JANUARY 4, 1944. Class 6.

406,209. EPSOM SALT. THE OHIO CHEMICAL & MFG. CO., Cleveland, Ohio.
Filed October 30, 1943. Serial No. 464,546. PUBLISHED JANUARY 4, 1944. Class 6.

406,210. RUBBER EAR PLUGS. SAFETY EAR PROTECTOR CO., Los Angeles, Calif.
Filed October 30, 1943. Serial No. 464,551. PUBLISHED JANUARY 4, 1944. Class 44.

406,211. PREPARATION FOR THE HAIR AND SCALP. MORRIS LANGHAUS, doing business as Sun-Ray Hair Preparations Co., New York, N. Y.
Filed November 1, 1943. Serial No. 464,576. PUBLISHED JANUARY 4, 1944. Class 6.

406,212. HEADING FOR A NEWSPAPER COLUMN. TRIBUNE COMPANY, Chicago, Ill.
Filed November 1, 1943. Serial No. 464,593. PUBLISHED DECEMBER 28, 1943. Class 38.

406,213. COLD PERMANENT WAVING FLUID. TYLON PRODUCTS, INC., New York, N. Y.
Filed November 1, 1943. Serial No. 464,595. PUBLISHED JANUARY 4, 1944. Class 6.

406,214. COLD PERMANENT WAVING FLUID. TYLON PRODUCTS, INC., New York, N. Y.
Filed November 1, 1943. Serial No. 464,594. PUBLISHED JANUARY 4, 1944. Class 6.

406,215. TYPEWRITER RIBBON AND CARBON PAPER. WRITE INCORPORATED, Bridgeport, Conn.
Filed November 2, 1943. Serial No. 464,633. PUBLISHED JANUARY 4, 1944. Class 11.

406,216. ZINC STEARATE. METASAP CHEMICAL COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,654. PUBLISHED JANUARY 4, 1944. Class 6.

406,217. CHEMICAL GERMICIDES, CHEMICAL INSECTICIDES, CHEMICAL FUNGICIDES, CHEMICAL VEGICIDES, CHEMICAL STERILIZERS AND CHEMICAL DISINFECTANTS. GEIGY COMPANY, INC., New York, N. Y.
Filed November 4, 1943. Serial No. 464,694. PUBLISHED JANUARY 4, 1944. Class 6.

406,218. TOILET SOAP. PINAUD, INCORPORATED, New York, N. Y.
Filed November 4, 1943. Serial No. 464,715. PUBLISHED JANUARY 4, 1944. Class 4.

406,219. METAL CLEANER. PEMCO CORPORATION, Baltimore, Md.
Filed November 5, 1943. Serial No. 464,759. PUBLISHED JANUARY 4, 1944. Class 4.

406,220. WHISKEY. BERNHEIM DISTILLING COMPANY, Louisville, Ky.
Filed November 6, 1943. Serial No. 464,775. PUBLISHED JANUARY 4, 1944. Class 49.

406,221. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. JOHN GRAF COMPANY, Milwaukee, Wis.
Filed November 8, 1943. Serial No. 464,816. PUBLISHED DECEMBER 21, 1943. Class 45.

406,222. MIXED FEED FOR LIVESTOCK AND POULTRY. HAPPY MILLS, Memphis, Tenn.
Filed November 9, 1943. Serial No. 464,856. PUBLISHED JANUARY 4, 1944. Class 46.

406,223. WINES. SCHENLEY IMPORT CORPORATION, New York, N. Y.
Filed November 13, 1943. Serial No. 464,979. PUBLISHED JANUARY 4, 1944. Class 47.

406,224. WINES. SCHENLEY IMPORT CORPORATION, New York, N. Y.
Filed November 13, 1943. Serial No. 464,980. PUBLISHED JANUARY 4, 1944. Class 47.

406,225. RUM. COMPAÑIA DE DESTILERIAS INTERNATIONALES, INC., Bayamon, P. R.
Filed November 19, 1943. Serial No. 465,124. PUBLISHED JANUARY 4, 1944. Class 49.

406,226. RUM. COMPAÑIA DE DESTILERIAS INTERNATIONALES, INC., Bayamon, P. R.
Filed November 19, 1943. Serial No. 465,127. PUBLISHED JANUARY 4, 1944. Class 49.

406,227. POWER TRANSMISSION BELTS. THE GATES RUBBER COMPANY, Denver, Colo.
Filed November 22, 1943. Serial No. 465,202. PUBLISHED JANUARY 4, 1944. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,228. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS D. HOULIS, Dallas, Tex. Filed Apr. 17, 1942. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 452,397.

Rich Wheat
BREAD
CAKES
PASTRY
TRADE MARK

FOR BREAD, CAKES, AND PASTRIES.
Claims use since Jan. 1, 1942.

406,229. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SCOTT AVIATION CORPORATION, Lancaster, N. Y. Filed July 13, 1942. Serial No. 454,204.

Scott
AVIATION CORPORATION

FOR TAIL WHEEL ASSEMBLIES.
Claims use since Mar. 26, 1942.

406,230. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NOBUR MFG. CO., Hollywood, Calif. Filed Aug. 4, 1942. Serial No. 454,720.

NO BUR TOOLS

FOR CHAMFERING TOOLS.
Claims use since June 15, 1942.

406,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio. Filed Nov. 14, 1942. Serial No. 456,821.

SULFO-CHLORO-LEAD CONCENTRATE

THE ELCO GREASE & OIL CO.

FOR CONCENTRATE OF SULPHUR CHLORINE AND TRIGLYCERIDES AND NAPHTHENES OF LEAD, USED AS AN ADDITIVE IN LUBRICANTS.
Claims use since Dec. 9, 1940.

406,232. (CLASS 12. CONSTRUCTION MATERIALS.) MAX BLATT, doing business as Seal Rite Caulking Co., Brooklyn, N. Y. Filed Jan. 29, 1943. Serial No. 458,219.

HOME-SEAL

FOR CAULKING COMPOUNDS.
Claims use since Dec. 24, 1942.

406,233. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLITS & COMPANY, INC., San Francisco, Calif. Filed Feb. 9, 1943. Serial No. 458,450.

Insuperable

FOR SALAD OIL AND MANTECA VEGETAL (VEGETABLE LARD).
Claims use since Oct. 1, 1942.

406,234. (CLASS 20. LINOLEUM AND OILED CLOTH.) RODERICK A. GINSBURG, doing business as Kustomat Company, Chicago, Ill. Filed Feb. 17, 1943. Serial No. 458,592.

KUSTOMAT.

FOR LINOLEUM MATS, LINOLEUM RUGS, FELT BASE MATS AND FELT BASE RUGS.
Claims use since Jan. 3, 1943.

406,235. (CLASS 27. HOROLOGICAL INSTRUMENTS.) RICHARD CARR KITZINGER, doing business as Yorktown Watch Co., New York, N. Y. Filed Feb. 18, 1943. Serial No. 458,612.

YORKTOWN

FOR WATCHES.
Claims use since Feb. 1, 1943.

406,236. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Apr. 22, 1943. Serial No. 460,086.

Carpenter
High Permeability "49"

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Nov. 7, 1942.

406,237. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS TERVEN, doing business as Lewis Terven Co., Salinas, Calif. Filed June 1, 1943. Serial No. 461,083.

GOLD'N FRESH

LEWIS TERVEN CO.

FOR FRESH CARROTS.
Claims use since Jan. 11, 1943.

406,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. FRED OBRECHT, doing business as Gerard Milk Products Company, Baltimore, Md. Filed Sept. 29, 1943. Serial No. 463,758.

SOYMALT

FOR COMPOSITION OF SOYBEAN FLOUR, BARLEY MALT FLOUR AND WHEAT MALT FLOUR USED AS AN INGREDIENT IN POULTRY MASHES AND LIVE STOCK FEEDS.
Claims use since November 1938.

406,239. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. LAWRENCE BARKER, Valley Stream, N. Y. Filed Nov. 3, 1943. Serial No. 464,638.

Originelle

FOR FACIAL OIL.
Claims use since July 1, 1938.

406,240. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LOUIS SICKLES, Philadelphia, Pa. Filed Nov. 4, 1943. Serial No. 464,724.

BELMAR

FOR POCKET WATCHES, WRIST WATCHES, BRACELET WATCHES, LAPEL WATCHES, DOCTOR'S AND NURSE'S WATCHES, CHATELAINE WATCHES, TIMERS, CHRONOGRAPHS, ELECTRIC CLOCKS, 30-HOUR CLOCKS, 8-DAY CLOCKS, ALARM CLOCKS, AND CHIME AND STRIKING CLOCKS.
Claims use since February 1937.

406,241. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LOUIS SICKLES, Philadelphia, Pa. Filed Nov. 4, 1943. Serial No. 464,725.

BELMAR

FOR BROOCHES, BAR PINS, SPRAY PINS, PENDANTS, LAVALIERES, LOCKETS, EARRINGS, BRACELETS, ANKLETS, RINGS, CUFF LINKS, TIE PINS, SCARF PINS, NECKCHAINS, WATCH CHAINS, NOT INCLUDING WATCHES, AND WRIST BANDS.
Claims use since February 1937.

406,242. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. A. BROUILLARD, doing business as Balmoral Laboratories, Andover, Mass. Filed Nov. 8, 1943. Serial No. 464,809.

SHAWSHEEN

FOR LAXATIVE MEDICINAL TEA.
Claims use since Dec. 1, 1941.

406,243. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. M. STOLAROFF, doing business as Natone Co., Los Angeles, Calif. Filed Nov. 23, 1943. Serial No. 465,233.

Brush 'n' Blend

FOR LIPSTICK, ROUGE, AND COSMETIC MAKE-UP.
Claims use since Dec. 12, 1942.

406,244. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. JOHN MILLER, doing business as Cadet Creme Company, Worcester, Mass. Filed Dec. 2, 1943. Serial No. 465,462.

SEAL-SKIN

FOR PREPARATION FOR FILLING THE SKIN PORES WITH AN INNOCUOUS MATERIAL TO KEEP OUT CERTAIN IRRITANTS.
Claims use since May 1941.

406,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD MARGARINE CO., INC., Indianapolis, Ind. Filed Dec. 23, 1943. Serial No. 466,028.

Real Nu

FOR OLEOMARGARINE.
Claims use since Nov. 27, 1941.

TRADE-MARK REGISTRATIONS RENEWED

174,951. **"GONDOLA" AND DRAWING.** ALIMENTARY PASTES. Registered October 30, 1923. LA CIE. C. H. CATELLI, LIMITÉE. Renewed October 30, 1943, to Catelli Food Products Ltd., Montreal, Quebec, Canada, a corporation of Canada, assignee by mesne assignments.

177,712. **TEKLA.** FACE POWDER. Registered December 25, 1923. A. BOURJOIS & CO., INC., assignor to M. Tecla & Co. Renewed December 25, 1943, to The Tecla Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

178,636. **BEN-MONT.** WAX PAPER, WAX LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, AND SHELF PAPER. Registered January 15, 1924. BENNINGTON WAX PAPER COMPANY. Renewed January 15, 1944, to Ben Mont Papers, Inc., Bennington, Vt., a corporation of Vermont, by change of name.

179,188. **BARCO.** CERTAIN NAMED CANNED FRUITS, VEGETABLES, FISH, AND MEATS, AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered February 5, 1924. B. A. RAILTON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 5, 1944.

179,470. **"ARLINGTON" AND DRAWING.** BUTTER. Registered February 12, 1924. HENRY N. BRAWNER, JR., doing business as Chestnut Farms Dairy. Renewed February 12, 1944, to Chestnut Farms-Chevy Chase Dairy Company, Washington, D. C., a corporation of Delaware, assignee by mesne assignments.

179,922. **KRIBBLE KLOTH.** COTTON CLOTH FOR USE AS AN ACOUSTICAL MEMBRANE. Registered February 19, 1924. JOHNS-MANVILLE, INCORPORATED. Renewed February 19, 1944, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee.

180,240. **TELERADIO.** WIRELESS AND ELECTRICAL EQUIPMENT, AS FOLLOWS: HEADSETS, CONDENSERS, RHEOSTATS, VARIOMETERS, VARIO COUPLERS, COILS, FUSE TERMINALS, LIGHTNING ARRESTERS, VACUUM-TUBE SOCKETS, CRYSTAL DETECTORS, RECEIVING SETS. Registered February 26, 1924. TELERADIO ENGINEERING CORPORATION, New York, N. Y., a corporation of New York. Renewed February 26, 1944.

180,354. **"CITELCO" AND DESIGN.** ELECTRICAL APPARATUS—NAMELY, LAMPS, LAMP-SOCKETS, MOTORS, SWITCHES, FUSES, AND CONNECTING PARTS. Registered February 26, 1924. CITY ELECTRIC COMPANY. Renewed February 26, 1944, to City Electric Company, Inc., Syracuse, N. Y., a corporation of New York, assignee.

180,686. **"BLACK KING" AND DRAWING.** MEDICINE FOR RHEUMATISM, INDIGESTION, DYSPEPSIA, SICK HEADACHE, BAD BLOOD, DISORDER OF THE STOMACH, NERVOUSNESS, AND FOR RUN-DOWN CONDITIONS OF THE SYSTEM. Registered March 4, 1924. E. M. THOMAS, Bessemer, Ala. Renewed March 4, 1944, to Albert M. Thomas, Sulphur Springs, Ga.

180,730. **"DIAMOND BRAND" AND DESIGN.** GAME TRAPS. Registered March 4, 1924. NORWICH WIRE WORKS, INC., Norwich, N. Y. Renewed March 4, 1944, to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania, assignee.

181,053. **"CLUB SANDWICH" AND DRAWING.** CONFECTIONERY—NAMELY, CANDY BAR, CHOCOLATE COVERING, WITH CREAM AND NUT-FILLING. Registered March 11, 1924. BARG & FOSTER CANDY COMPANY. Renewed March 11, 1944, to Sperry Candy Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

181,062. **"DENVER SANDWICH" AND DRAWING.** CONFECTIONERY—NAMELY, CANDY NUT BAR WITH CHOCOLATE COVERING. Registered March 11, 1924. BARG & FOSTER CANDY COMPANY. Renewed March 11, 1944, to Sperry Candy Company, Milwaukee, Wis., a corporation of Wisconsin, assignee by mesne assignments.

181,141. **"CODORUS" AND DRAWING.** BOXBOARD AND WRAPPING PAPER. Registered March 11, 1924. SCHMIDT & AULT PAPER CO., York, Pa., a corporation of Pennsylvania. Renewed March 11, 1944.

181,416. **SENO-MINT.** SENO-MINT (A LAXATIVE). Registered March 18, 1924, to ABBOTT LABORATORIES, Chicago, Ill., a corporation of Illinois. Renewed March 18, 1944.

181,463. **SUPER-CEL.** FINELY DIVIDED SOLID MATERIAL HAVING SELECTIVE ABSORPTIVE PROPERTIES TO BE USED IN AIDING FILTRATION AND IN DEEMULSIFICATION OF LIQUIDS. Registered March 18, 1924. CELITE PRODUCTS COMPANY, Los Angeles, Calif. Renewed March 18, 1944, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

181,634. **"ARABOL" AND DRAWING.** ADHESIVES—NAMELY, PASTES, MUCILAGES, GLUES, ADHESIVE GUMS, SHOE CEMENT, DEXTRINE, GUM ARABIC, GUM TRAGACANTH, TAPIOCA FLOUR, POTATO FLOUR, WHEAT STARCH, CORNSTARCH, AND CASEIN, SIZINGS—NAMELY, ROSIN SIZING, PAPER SIZING, WALL SIZING, AND TEXTILE SIZING. Registered March 25, 1924. THE ARABOL M'F'G CO., New York, N. Y., a corporation of New York. Renewed March 25, 1944.

181,764. **SILVER DOLLAR.** WHEAT FLOUR. Registered March 25, 1924. THE COLORADO MILLING & ELEVATOR CO., also doing business as The Loveland Flour Mills, Denver and Loveland, Colo., a corporation of Colorado. Renewed March 25, 1944.

181,795. **"CODORUS" AND DRAWING.** INDENTED PAPER CARPET LINING. Registered March 25, 1924. SCHMIDT & AULT PAPER CO., York, Pa., a corporation of Pennsylvania. Renewed March 25, 1944.

182,250. **FRANZ HALS.** ARTISTS' BRUSHES. Registered April 8, 1924. MAX GRUMBACHER. Renewed April 8, 1944, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

182,251. **THE MENTOR.** ARTISTS' BRUSHES. Registered April 8, 1924. MAX GRUMBACHER. Renewed April 8, 1944, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

182,252. **MICHELANGELO.** ARTISTS' BRUSHES. Registered April 8, 1924. MAX GRUMBACHER. Renewed April 8, 1944, to M. Brumbacher, New York, N. Y., a copartnership, assignee.

182,253. **RAPHAEL.** ARTISTS' BRUSHES. Registered April 8, 1924. MAX GRUMBACHER. Renewed April 8, 1944, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

182,330. **CLAREX.** CLARIFYING MATERIAL FOR USE IN THE MANUFACTURE OF VINEGAR. Registered April 8, 1924. TAKAMINE LABORATORY, INC., Clifton, N. J., a corporation of New York. Renewed April 8, 1944.

182,378. **JOACHIM.** STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS. Registered April 8, 1924. WM. LEWIS & SON, Chicago, Ill., a corporation of Illinois. Renewed April 8, 1944.

182,386. **SUPERIOR.** GRASS-SEED DRILLS, BROADCAST LIME AND FERTILIZER SOWERS, CULTIVATORS, CORN PLANTERS, CORN DRILLS, POTATO PLANTERS, AND DISK HARROWS. Registered April 8, 1924. THE AMERICAN SEEDING MACHINE COMPANY, Springfield, Ohio. Renewed April 8, 1944, to Oliver Farm Equipment Company, Chicago, Ill., a corporation of Delaware, assignee.

182,427. **O-SO-SNUG.** BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. Registered April 8, 1924. E. E. TAYLOR CO. Renewed April 8, 1944, to E. E. Taylor Corporation, Boston, Mass., a corporation of Massachusetts, assignee.

183,042. **FILT-X-CEL.** FINELY-DIVIDED SOLID MATERIAL HAVING SELECTIVE ADSORPTIVE PROPERTIES TO BE USED IN AIDING FILTRATION AND IN DEEMULSIFICATION OF LIQUIDS. Registered April 22, 1924. THE CELITE CO., Los Angeles, Calif. Renewed April 22, 1944, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

183,348. **REPRESENTATION OF A MILL AND WORDS "=IGAN LEADER".** CANNED VEGETABLES. Registered April 29, 1924. G. D. MILLIGAN GROCER COMPANY, Springfield, Mo., a corporation of Missouri. Renewed April 29, 1944.

183,365. **BELL BOY.** COFFEE. Registered April 29, 1924. MAURY-COLE COMPANY. Renewed April 29, 1944, to Canova Foods, Incorporated, Memphis, Tenn., a corporation of Tennessee, assignee by mesne assignments.

183,937. **"KRANZ" AND DESIGN.** CANDIES. Registered May 13, 1924. FLORENCE M. KRANZ, Chicago, Ill. Renewed May 13, 1944.

184,015. **DETEX.** TIME CLOCKS, TIME-RECORDING APPARATUS, AND PARTS FOR TIME CLOCKS AND TIME-RECORDING APPARATUS. Registered May 13, 1924. NEWMAN CLOCK COMPANY, INC. Renewed May 13, 1944, to Detex Watchclock Corporation, New York, N. Y., a corporation of Delaware, assignee.

184,646. **SUNNY CRISP.** CANDIES. Registered May 27, 1924. ALTON L. MILLER, doing business as Charles N. Miller Co. Renewed May 27, 1944, to Charles N. Miller Co., Boston, Mass., a corporation of Massachusetts, assignee.

184,836. **BABY BATHINETTE.** INFANTS' FOLDING BATHTUBS AND COMBINATION BATH CABINETS AND TUBS MADE WHOLLY OF WOOD AND RUBBER CLOTH. Registered June 3, 1924. KIDDIE-TOWN PRODUCTS, INC., Seneca Falls, N. Y., assignor to E. M. Trimble Mfg. Co. Renewed June 3, 1944, to The Baby Bathinette Corporation, Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

184,959. **THE MASTER WOODWORKER.** WOODWORKING MACHINES. Registered June 3, 1924. THE MASTER WOODWORKER MANUFACTURING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed June 3, 1944.

185,105. **"CAVALIER" AND DRAWING.** REFRIGERATORS. Registered June 10, 1924. TENNESSEE FURNITURE CORPORATION. Renewed June 10, 1944, to Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee, by change of name.

185,106. **CAVALIER.** REFRIGERATORS. Registered June 10, 1924. TENNESSEE FURNITURE CORPORATION. Renewed June 10, 1944, to Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee, by change of name.

185,163. **BLUE EAGLE.** HORSE FEED AND DAIRY FEED. Registered June 10, 1924. SECURITY MILLS. Renewed June 10, 1944, to Security Mills, Inc., Knoxville, Tenn., a corporation of Tennessee, by change of name.

185,248. **"CHICKEN DINNER" AND DRAWING.** CANDIES. Registered June 10, 1924. SPERRY CANDY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 10, 1944.

185,254. **"THE SUNNY SIGN" AND DRAWING.** CANDIES. Registered June 10, 1924. ALTON L. MILLER, doing business as Charles N. Miller Co. Renewed June 10, 1944, to Charles N. Miller Co., Boston, Mass., a corporation of Massachusetts, assignee.

185,728. **TRICO.** ARCH SUPPORTS. Registered June 24, 1924. TRI-CITY MFG. CO., Madison Ill. Renewed June 24, 1944, to Tri-City Manufacturing Company, Venice, Ill., a corporation of Illinois.

186,297. **KUDDLE NAP.** COTTON PIECE GOODS AND WOOLEN PIECE GOODS. Registered July 8, 1924. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 8, 1944.

186,487. **NEUTRALENE.** CHEMICAL NEUTRALIZERS FOR SOUR CREAM FOR USE IN MAKING BUTTER. Registered July 22, 1924. JESSE J. BORK, doing business as Dairy Chemical Company, Manson, Iowa. Renewed July 22, 1944, to Jesse J. Bork, doing business as Dairy Chemical Company, Fort Dodge, Iowa.

186,489. **CAVALIER.** BEDROOM, DINING-ROOM, LIVING-ROOM, AND KITCHEN FURNITURE—NAMELY, BEDS, DRESSERS, BUREAUS, DRESSING TABLES, VANITY DRESSERS, CHIFFONIERS, CHIFFONETTES, CHIFFOROBES, WARDROBES, TABLES, NIGHT STANDS, CHAIRS, ROCKERS, CONSOLE CHESTS, ORNAMENTAL CHESTS, AND OTHER CERTAIN NAMED ARTICLES OF FURNITURE. Registered July 22, 1924. TENNESSEE FURNITURE CORPORATION. Renewed July 22, 1944, to Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee, by change of name.

186,490. **"CAVALIER" AND DRAWING.** BEDROOM, DINING-ROOM, LIVING-ROOM, AND KITCHEN FURNITURE—NAMELY, BEDS, DRESSERS, BUREAUS, DRESSING TABLES, VANITY DRESSERS, CHIFFONIERS, CHIFFONETTES, CHIFFOROBES, WARDROBES, TABLES, NIGHT STANDS, CHAIRS, ROCKERS, TREASURE CHESTS, CONSOLE CHESTS, ORNAMENTAL CHESTS, AND OTHER CERTAIN NAMED ARTICLES OF FURNITURE. Registered July 22, 1924. TENNESSEE FURNITURE CORPORATION. Renewed July 22, 1944, to Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee, by change of name.

186,505. **SHUREBOND.** HANGER INSERTS AND FURRING INSERTS. Registered July 22, 1924. THE GOLDSMITH METAL LATH COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 22, 1944.

186,506. **REALWARE.** HOSIERY, SWEATERS; NECKWEAR—NAMELY, MEN'S AND LADIES' TIES; PANTS; DRESS, NEGLIGEE, AND WORK SHIRTS; BELTS FOR PERSONAL WEAR; BLOUSES; GLOVES OF LEATHER, RUBBER, OR FABRIC; READY-TO-WEAR UNDERWEAR OF KNITTED, NAINSOOK, AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; AND OTHER CERTAIN NAMED ARTICLES OF WEARING APPAREL. Registered July 22, 1924. QUINN-MARSHALL COMPANY, Lynchburg, Va., a corporation of Virginia. Renewed July 22, 1944.

186,530. **WILWIN.** SWEATERS AND KNIT GOODS—NAMELY, TOQUES, SCARFS, AND SHAWLS. Registered July 22, 1924. CARTER DRY GOODS CO., Louisville, Ky., a corporation of Kentucky. Renewed July 22, 1944.

186,583. **"WOOLFORD" AND DESIGN.** WOOD TANKS FOR THE TEXTILE INDUSTRY, LEATHER INDUSTRY, CHEMICAL INDUSTRY, THOSE USED IN THE PROCESSING OF STEEL, THE MANUFACTURE OF FOOD PRODUCTS, OF EXPLOSIVES, AND IN ALL OTHER MANUFACTURING PROCESSES WHEREIN WOOD TANKS ARE USED, AND FOR OTHER CERTAIN NAMED PURPOSES. Registered July 22, 1924. G. WOOLFORD WOOD TANK MFG. COMPANY, Camden, N. J., and Philadelphia and Darby, Pa. Renewed July 22, 1944, to G. Woolford Wood Tank Mfg. Company, Darby, Pa., a corporation of New Jersey

186,585. **REPRESENTATION OF A DIAGONAL BLUE BAR OR BAND.** MIDDLINGS, DAIRY FEED, WHEAT FLOUR, MIXED FEED, MEAL, AND STOCK FEED. Registered July 22, 1924. CHARLESTON MILLING & PRODUCE COMPANY. Renewed July 22, 1944, to Charleston Milling Company, Charleston, W. Va., a corporation of West Virginia, by change of name.

186,596. **"PILOT" AND DRAWING.** FLUSH VALVES, URINAL VALVES, URINAL SPREADERS, URINAL STRAINERS, SHOWER STRAINERS, MUFFLERS FOR WATER-SUPPLY LINES, AND SHOWER MIXING VALVES. Registered July 22, 1924. HEDGES & BROTHER, Newark, N. J., a corporation of New Jersey. Renewed July 22, 1944.

186,597. **CIN-MAN-CO.** FLY SCREENS. Registered July 22, 1924. THE CINCINNATI FLY SCREEN COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 22, 1944.

186,602. **HERCO.** THERMOMETERS AND HYDROMETERS. Registered July 22, 1924. WM. HIERGESELL & SONS, New York, N. Y., a partnership. Renewed July 22, 1944.

186,608. **"TRIANGLE THREAD MILLS" AND DESIGN.** MERCERIZED AND PLAIN COTTON THREAD. Registered July 22, 1924. AARON J. ROTHSTEIN, doing business as Triangle Mills, New York, N. Y. Renewed July 22, 1944.

186,612. **"STROOCK" AND DRAWING.** LLAMA CLOTH IN THE PIECE. Registered July 22, 1924. S. STROOCK & CO., INC., New York, N. Y., a corporation of New York. Renewed July 22, 1944.

186,615. **"STROOCK" AND DRAWING.** CASHMERE CLOTH IN THE PIECE. Registered July 22, 1924. S. STROOCK & CO., INC., New York, N. Y., a corporation of New York. Renewed July 22, 1944.

186,623. **"SIR WALTER RALEIGH" AND DRAWING.** SMOKING TOBACCO. Registered July 22, 1924. J. G. FLYNT TOBACCO CO., Winston-Salem, N. C. Renewed July 22, 1944, to Brown & Williamson Tobacco Corporation, Louisville, Ky., a corporation of Delaware, assignee by mesne assignments.

186,630. **MALETA CREPE.** KNITTED SILK PIECE GOODS. Registered July 22, 1924. CHOPAK TEXTILE COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 22, 1944.

186,633. **ADMIRATION.** CIGARS. Registered July 22, 1924. E. REGENSBURG & SONS, New York, N. Y., a corporation of New York. Renewed July 22, 1944.

186,654. **SUNNYCREST.** HATS AND CAPS FOR WOMEN AND CHILDREN. Registered July 22, 1924. THE JOSEPH LAZZARUS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 22, 1944.

186,655. **FROST KING.** LEATHER GLOVES AND MITTENS. Registered July 22, 1924. RIPON KNITTING WORKS, Ripon, Wis., a corporation of Wisconsin. Renewed July 22, 1944.

186,683. **KEYSTONE.** MANIFOLD LUBRICATORS, LUBRICATOR MANIFOLDS, AND FITTINGS USED IN SYSTEMS OF MANIFOLD LUBRICATION. Registered July 22, 1924. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 22, 1944.

186,704. **ARCHCONFORMER.** BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH OR OTHER FABRIC CONSTRUCTION. Registered July 22, 1924. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed July 22, 1944, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments.

186,713. **"HAMPSHIRE" AND DESIGN.** NARROW ELASTIC WEBS. Registered July 22, 1924. GEO. S. COLTON ELASTIC WEB CO. Renewed July 22, 1944, to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts, assignee.

186,746. **HIGHLAND LASSIE.** GINGHAM IN THE PIECE. Registered July 22, 1924. MARSHALL FIELD & COMPANY, Chicago, Ill. Renewed July 22, 1944, to Swiss Mills, Inc., New York, N. Y., a corporation of New York, assignee.

186,759. **PUP.** ROAD MACHINES, PARTICULARLY COMBINED ROAD ROLLERS, MAINTAINERS, AND SCARIFIERS. Registered July 22, 1924. AUSTIN MANUFACTURING CO., Chicago, Ill. Renewed July 22, 1944, to Western-Austin Company, Aurora, Ill., a corporation of Illinois, by merger.

186,793. **NOHARM.** FLUX (FOR SOLDER). Registered July 22, 1924. GAZZOLO DRUG & CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 22, 1944.

186,810. **N·M·B BEST.** FRESH APPLES. Registered July 22, 1924. NICHOLAS M. BORINA, Watsonville, Calif. Renewed July 22, 1944.

186,842. **"SHIELD LABEL" AND DESIGN.** MARMALADES, FRUIT PRESERVES, PECAN-NUT MEATS IN THEIR NATURAL STATE, AND SAUCE MADE OF TABASCO PEPPERS. Registered July 22, 1924. B. F. TRAPPEY & SONS, Jeanerette, La. Renewed July 22, 1944, to B. F. Trappey's Sons, Inc., New Iberia, La., a corporation of Louisiana, assignee.

186,848. **RED MAN.** HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. Registered July 22, 1924. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y., a corporation of New York. Renewed July 22, 1944.

186,875. **BLACK AND GOLD.** CANNED BERRIES AND FRUITS, PORK AND BEANS. Registered July 22, 1924. FASSETT & COMPANY, Tacoma, Wash., a corporation of Washington. Renewed July 22, 1944.

186,881. **WALNUT CRUSH.** CANDY. Registered July 22, 1924. FENN BROTHERS, Sioux Falls, S. Dak., a corporation of South Dakota. Renewed July 22, 1944.

186,900. **"BEECH-NUT" AND DESIGN.** ALIMENTARY PASTE PRODUCTS—NAMELY, MACARONI, MACARONI ELBOWS, MACARONI RINGS, SPAGHETTI, PREPARED SPAGHETTI, VERMICELLI, AND NOODLES. Registered July 22, 1924. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y., a corporation of New York. Renewed July 22, 1944.

186,904. **"LION" AND DRAWING.** BUTTER AND HORSE-RADISH. Registered July 22, 1924. COLUMBIA CHEESE COMPANY, Newark, N. J., a corporation of New Jersey. Renewed July 22, 1944.

186,914. **"APOLLO" AND DESIGN.** UNDERWEAR, UNION SUITS, SHIRTS, DRAWERS, NOTIONS, AND HOSIERY MADE FROM KNIT GOODS AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. Registered July 22, 1944. JOSEPH ROSENZWEIG, Troy, N. Y. Renewed July 22, 1944.

186,925. **"ANN AND ANDY" AND DESIGN.** HOSIERY. Registered July 22, 1924. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Renewed July 22, 1944.

186,933. **REDBANK.** CLOTHING WHICH CONSISTS OF COATS, VESTS, TROUSERS, BREECHES, GOLF SUITS, CONSISTING OF COATS AND TROUSERS; KNICKERBOCKER PANTS, OVERALLS; UNIFORMS CONSISTING OF COATS, VESTS, AND TROUSERS; MACKINAWS, OVERCOATS, OVERALL JUMPERS, AND MEN'S AND BOYS' OUTER WEARING SHIRTS. Registered July 22, 1924. SIGMUND EISNER COMPANY, Red Bank, N. J., a corporation of New Jersey. Renewed July 22, 1944.

186,950. **NIGGER IN DE CANE PATCH.** CANE SIRUP FOR FOOD PURPOSES. Registered July 22, 1924. WALTER BLAIR RODDENBERY. Renewed July 22, 1944, to W. B. Roddenbery Co., Cairo, Ga., a co-partnership, assignee.

186,962. **CHLOROIL.** SOLVENT FOR REMOVING CORROSIVE RESIDUES FROM THE BORES OF FIREARMS. Registered July 22, 1924. WILBERT J. HUFF, Pittsburgh, Pa. Renewed July 22, 1944, to Wilbert J. Huff, Silver Spring, Md.

REISSUES

MARCH 14, 1944

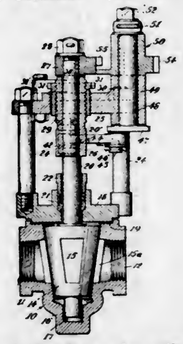
22,455

VALVE

Wylie G. Wilson, Elizabeth, N. J., assignor to Everlasting Valve Company, Jersey City, N. J., a corporation of New Jersey

Original No. 2,330,020, dated September 21, 1943, Serial No. 376,719, January 31, 1941. Application for reissue January 17, 1944, Serial No. 518,655

15 Claims. (Cl. 74—22)



1. A valve of the type described comprising a casing, a stem for said valve extending from said casing, an operating member, a sleeve member surrounding said stem and movable to impart axial movement only to said stem, a crank rotated by said operating member, a connecting rod between said crank and said sleeve, and a pair of gear sectors connecting said operating members and said stem, said crank and said gear sectors being so coordinated that selected unidirectional movement of the operating member causes axial movement of the stem, first in one direction and then in reverse direction and rotation of the stem during the final stage of axial movement in one direction and the initial stage of axial movement in the reverse direction.

22,456

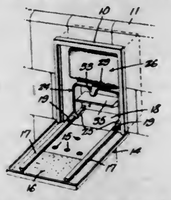
CABINET

George Wise, Brooklyn, N. Y.

Original No. 2,297,995, dated October 6, 1942, Serial No. 410,742, September 13, 1941. Application for reissue September 21, 1943, Serial No. 503,301

12 Claims. (Cl. 312—175)

1. A shaving cabinet having a door hinged at the bottom to the cabinet, a track on the door extending along the bottom of the cabinet, and an inverted U-shaped kit-carrying member pro-



vided at its ends with means for supporting the member on the track for free movement into or out of the cabinet.

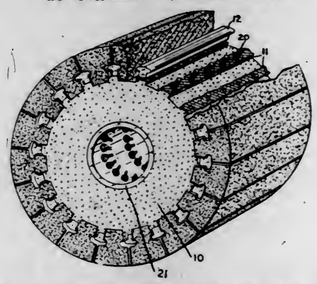
22,457

SEGMENTAL ABRASIVE WHEEL

George N. Jeppson and Thure Larsson, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Original No. 1,865,523, dated July 5, 1932, Serial No. 266,481, April 2, 1928. Application for reissue December 18, 1943, Serial No. 514,871. In Canada October 4, 1928

19 Claims. (Cl. 51—207)

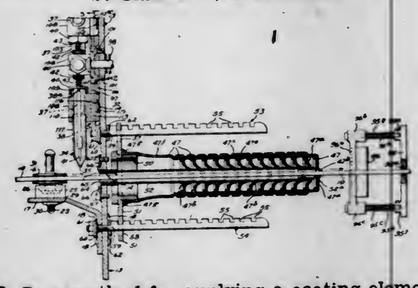


1. That improvement in the art of making segmental grinding wheels which consists in arranging a plurality of abrasive segments independently of their final internal support in an annulus so as to form by their succession of faces a cylindrical grinding surface, then forming the internal supporting structure for all the segments in situ within the annulus, and thereafter adjustably tensioning tension elements connected to the segments for thereby forcing the segments radially inwardly into position on said structure to hold them thereagainst in opposition to centrifugal forces exerted during subsequent operation of the wheel.

PATENTS

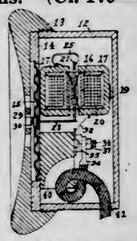
GRANTED MARCH 14, 1944

2,343,858
METHOD AND APPARATUS FOR COATING
Charles W. Abbott, Larchmont, N. Y.
Application October 12, 1940, Serial No. 360,914
27 Claims. (Cl. 117—111)



2. In a method for applying a coating element to a moving elongated element, the steps which comprise supplying to a heated moving elongated element a coating material settable in response to heating, running the element with the coating material thereon into operative relation to a plurality of applicator devices having spreader portions for spreading the coating material relative to the surface of the elements, and bringing the spreader portions of said devices successively into action upon the moving element at suitable intervals.

2,343,859
TELEPHONE RECEIVER
Nathaniel Baldwin, East Mill Creek, Utah
Application April 28, 1941, Serial No. 390,772
6 Claims. (Cl. 179—119)

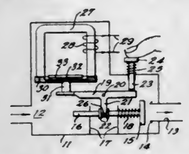


1. A telephone receiver comprising an actuating coil, U-shaped pole-pieces inclosing said coil, an armature surrounded by said coil and acted upon by said polepieces and balanced upon a crest fulcrum, a depression in said armature to receive said crest fulcrum, a diaphragm, and means to transmit the movement of said armature to said diaphragm.

2,343,860
SULPHUR PRODUCT AND METHOD OF PRODUCING SAME
Isaac Bencowitz, Newgulf, Tex., assignor to Texas Gulf Sulphur Company, Houston, Tex., a corporation of Texas
No Drawing. Application November 7, 1940, Serial No. 364,692
12 Claims. (Cl. 252—313)

7. The method of producing a sulphur product suitable for forming an emulsion with water which comprises fusing a mixture of sulphur and asphalt, dissolving and separating from the sulphur a major portion of the asphalt leaving a residue comprising particles of sulphur coated with a film of asphalt, and incorporating a sufficient quantity of an emulsifying agent and water with the sulphur to form a semi-fluid paste.

2,343,861
ELECTROMAGNETICALLY CONTROLLED DEVICE
Laurence C. Biggle, Altadena, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application May 27, 1941, Serial No. 395,429
5 Claims. (Cl. 175—336)

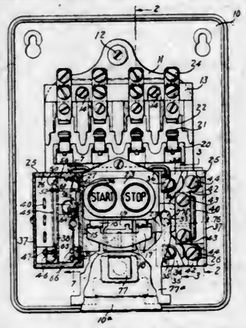


1. In combination: an electromagnet comprising an armature member and a core member, said core member being adapted when energized to retain said armature member in engagement therewith only when the members are first mechanically brought together, means for mechanically moving one of said members into engagement with the other and for then applying a force to said one of the members which is assistant to and substantially symmetric with respect to the magnetic holding force, and means connected to said mechanical means and effective when the same is retracted for continuously applying a force to said one of the members which is counter to and asymmetric with respect to the magnetic holding force so that said one of the members is tilted away from the other when the energization of the electromagnet is reduced.

2,343,862
THERMAL RELAY UNIT
Paul M. Christensen, Newington, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application January 4, 1941, Serial No. 373,189
20 Claims. (Cl. 200—122)

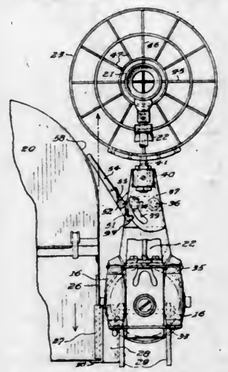
1. A thermal relay for use in an electric circuit and adapted to break the circuit upon the occurrence of abnormal current conditions in the circuit, said relay comprising in combination, a base, terminal members thereon by which the relay is adapted to be connected in an electric circuit, relatively movable electric contacts respectively electrically connected to one of said terminals, a thermally responsive member, means operatively connecting said thermally responsive member to one of said electric contacts and said thermally responsive member normally serving upon the occurrence of variations in current in the circuit to automatically actuate said connecting means and said one electric contact to make and break said circuit, and control means movably mounted with respect to said base and having a

portion free from said means connecting said one contact and thermally responsive member and adapted to be selectively set in one position to permit automatic functioning of said thermally responsive member to relatively move the electric



contacts to make and break the circuit and to be set in another position to engage said means connecting said one contact and thermally responsive member and prevent automatic engagement of said electric contacts to make the circuit following a breaking of the same.

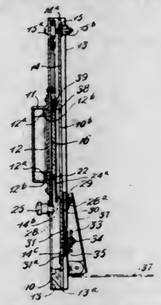
2,343,863
GUN SIGHT MOUNTING
Walter H. D'Ardenne, Jenkintown Manor, Pa., assignor to Colt's Patent Fire Arms Manufacturing Company, a corporation of Connecticut
Application March 4, 1942, Serial No. 433,245
7 Claims. (Cl. 89—1)



6. In a machine gun having a magazine attached thereto and disengageable therefrom by movement in a given path, a sight mounted on said gun for movement into and out of said path, releasable means for retaining said sight in said path, and means engageable with said magazine, as said magazine is moved in said path toward said sight, for actuating said releasable means.

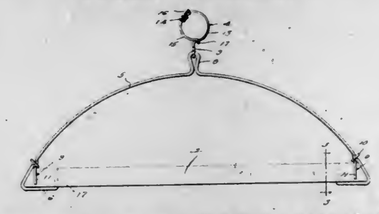
2,343,864
WELDER'S MASK OR HELMET
Edward S. Hebeler, Williamsville, N. Y., assignor of one-half to Unit Rays, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 26, 1942, Serial No. 436,341
9 Claims. (Cl. 2—8)

3. A welder's mask or helmet having a vision opening therein, a glare-proof shield reciprocably mounted at the rear of said opening and movable upwardly into, and downwardly out of, registration with the opening, spring means connected to said shield and tending to move the same upwardly into registration with said opening, a latch carried by said shield and extending therebelow, a keeper for said latch spaced below said latch when the shield is in registration with said opening and adapted to be en-



gaged by the latch when the shield is in its lowered position, a resilient latch-releasing member having a portion thereof arranged in proximity to the said latch when the latter is in engagement with its keeper, and chin-actuated means for pressing the said portion of said member against said latch, thereby to release the latter from engagement with said keeper.

2,343,865
GARMENT HANGER
George Heitzman, Shamokin, Pa., assignor of one-half to Willard K. Burd, Shamokin, Pa.
Application May 12, 1942, Serial No. 442,675
1 Claim. (Cl. 223—91)

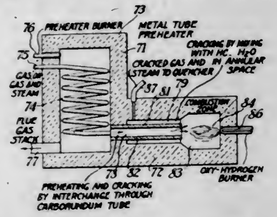


A garment hanger comprising a pair of clamping bars, a hanger hook, means connecting said bars to said hook for swinging movement thereon into side-by-side clamping relation comprising a pair of bowed rods having the ends thereof connected to the ends of said bars, respectively, said rods arching from said bars, side by side and being provided adjacent the ends thereof with notch forming bends overlying said bars, and means to clamp said bars together comprising a pair of clip-like keepers of resilient wire having loops freely slidable on said rods into said notches to depend therefrom and legs on said keepers for yieldingly straddling said bars.

2,343,866
PROCESS FOR THE PYROLYSIS OF HYDROCARBONS
William B. Hincke, Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif., a corporation of California
Application October 7, 1938, Serial No. 233,809
2 Claims. (Cl. 260—679)

1. A process for the manufacture of acetylene by the pyrolysis of hydrocarbons, which com-

prises preheating non-acetylenic hydrocarbons in a ferrous alloy chamber comprising iron containing a combined content greater than 30% of the metals, aluminum and chromium, by externally contacting the chamber with combustion gases obtained by the combustion of hydrocarbons, for a period not greater than .05 minute and at a temperature greater than 800° C., but less than 1000° C., thereafter immediately subjecting the



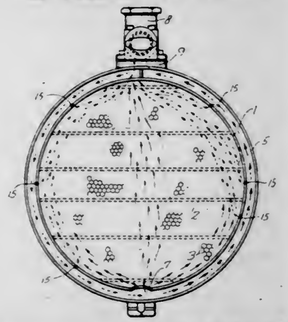
preheated hydrocarbons to thermal decomposition at a temperature between 1000° C.–1600° C. by injecting directly into the preheated hydrocarbon to be decomposed a quantity of combustion products burned out of contact with the hydrocarbon and injected thereinto while said combustion products are still hot, in a direction opposed to the direction of flow of said hydrocarbon, the combustion products containing little free oxygen and a large amount of hydrogen oxide, resulting from the combustion of oxygen and hydrogen.

2,343,867

CONGEALABLE LIQUID CONDITIONING DEVICE

Allan C. Hoffman, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application August 25, 1941, Serial No. 408,152
15 Claims. (Cl. 257—2)



12. A lubricant conditioning device for use in a lubricant circulating system, wherein a lubricant, the viscosity of which varies progressively with changes in temperature, is circulated under pressure and subjected to heat, including a radiator body having inlet and outlet openings and formed to provide a flow path therebetween, means for introducing lubricant under heat and pressure into the inlet of the radiator body, means for continuously introducing a part of the lubricant flowing under heat and pressure in the lubricant introducing means, into the liquid in the flow path of the radiator body at a point between the inlet and outlet of the latter so as to reduce the viscosity of the lubricant in said flow path of the radiator body, and means for maintaining pressure on the incoming lubricant and for relieving said pressure when the latter reaches a predetermined degree.

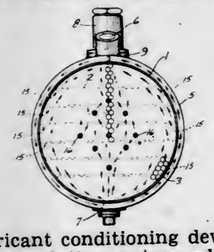
15. A method of conditioning a circulating body of oil for an engine, where such body of oil is directed through a confined cooling space having an inlet and an outlet and in which space the said oil body approaches a non-flowing viscosity under extreme low temperature conditions, which consists in flowing oil under heat and pressure into heat transmitting relation with the oil body in the confined space and directing such flowing oil through the inlet of the confined space and against the oil body therein to compel a flow of said body through said confined space when said body is conditioned for such flow, said flowing oil under heat and pressure being additionally utilized to directly and continually subject the oil body in the confined space to the heat and pressure contact thereof at spaced points between the inlet and the outlet of the confined space so as to condition the oil body in the confined space for flow and to maintain the same in a condition of fluidity.

2,343,868

CONGEALABLE LIQUID CONDITIONING DEVICE

Reuben G. Dykeman, Joseph C. Shaw, and Allan C. Hoffman, Dayton, Ohio

Application September 10, 1941, Serial No. 410,228
17 Claims. (Cl. 257—2)



15. A lubricant conditioning device for use in a lubricant circulating system, wherein a lubricant, the viscosity of which varies progressively with changes in temperature, is circulated under pressure and subjected to heat, including a radiator body having inlet and outlet openings and formed to provide a flow path therebetween, a plurality of spaced means within the radiator body disposed so as to provide for the passage of a coolant therethrough and for the passage therearound of the liquid to be conditioned, certain of said means being spaced with respect to each other so as to provide liquid flow paths therebetween of a cross-sectional area which afford resistance to the passage of liquid therethrough, means for spacing certain others of said coolant means so as to provide liquid flow paths of a greater cross-sectional area and of lesser resistance to the flow of liquid therebetween than the resistance to flow occurring between the first mentioned coolant means, means for introducing lubricant under heat and pressure into the inlet of the radiator body, means for continuously introducing a part of the lubricant flowing under heat and pressure in the lubricant introducing means into the liquid in the flow path of the radiator body at spaced points between the inlet and outlet of the latter so as to reduce the viscosity of the lubricant in said flow path of the radiator body, and means for maintaining pressure on the incoming lubricant and for relieving said pressure when the latter reaches a predetermined degree.

17. A method of conditioning a body of oil for flow through the lubricating system of an engine under low temperature conditions, which consists in flowing oil through a confined space, having an inlet and an outlet, in cooperating paths of relatively high and low resistance to flow of oil therethrough so as to cause a portion of the oil in the high resistance flow path to seek and flow toward and through the low resistance flow path and thence toward and through said outlet, and simultaneously and continuously contacting the confined oil at spaced points between said inlet and outlet with the oil in the system flowing under heat and pressure through said inlet, so as to obtain and thereby maintain the confined oil in a condition of fluidity.

2,343,869

CONDITIONER FOR CONGEALABLE LIQUIDS

Joseph C. Shaw, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application February 3, 1942, Serial No. 429,437
9 Claims. (Cl. 257—2)



1. A lubricant conditioning device for use in a lubricant circulating system wherein a lubricant, the viscosity of which varies progressively with change in temperature, is circulated under pressure and subjected to heat, including a radiator body having an inlet and an outlet, means extending through the body for conducting a cooling medium in heat exchange relationship with the lubricant therein, means within the radiator body for dividing the body into a plurality of interconnected compartments and for directing the lubricant through a tortuous course including flow paths substantially parallel to the flow of cooling medium, and means for mounting the cooling medium conducting means in varying spaced relation to each other so as to provide predetermined intercommunicating lubricant flow paths of different cross-sectional areas thereby providing greater and lesser resistance to the passage of lubricant through the tortuous course from the inlet to the outlet of the radiator body so that the liquid flowing through the body tends to seek and flow toward and through the flow paths of lesser resistance to flow.

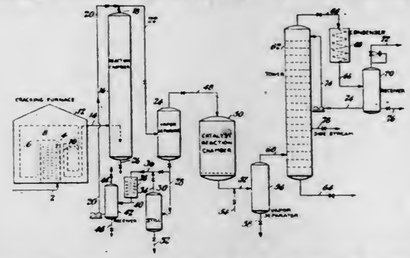
2,343,870

MANUFACTURE OF ALKYLATED BENZENE HYDROCARBONS

William Kaplan, Malverne, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application March 29, 1939, Serial No. 264,693
4 Claims. (Cl. 260—671)

1. The process of manufacturing side chain cyclic and armatic hydrocarbons from petroleum oil distillates of substantially paraffinic character, which comprises passing the petroleum distillate charging stock through a heating zone in a confined stream of restricted cross-section and therein heating the distillate to a temperature of from 950° to 1020° F., thereafter subjecting the heated distillate to an exothermic reaction at a high temperature for a substantial period of time during which the distillate is converted into a reaction mixture containing a substantial proportion of condensable products boiling below 400° F., said proportion containing from approximately 35% to approximately 55% of olefinic hydrocarbons and from approximately 30% to approximately 45% of aromatic hydrocarbons, cooling the resulting mixture of conversion products to condense high boiling components thereof, but insufficiently to



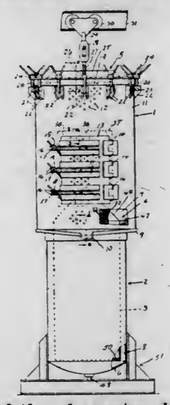
condense the constituents boiling up to approximately 500° F., separating the condensed materials from the resulting vapors and gases and passing the latter directly into a catalytic reaction zone in intimate contact with a solid alkylation and cyclization catalyst, maintaining a reaction temperature upwards of about 600° F. in said catalytic reaction zone which is sufficient to convert the vapors and gases into the desired cyclic and aromatic hydrocarbons, and fractionating the resulting reaction products to recover the desired hydrocarbons therefrom.

2,343,871

OLIVE PRESS

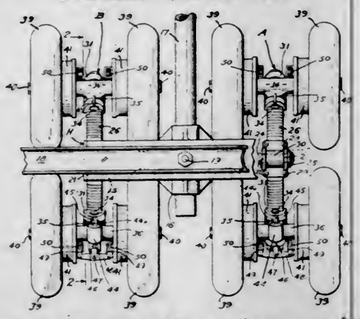
Charles Livoti, Roseville, Calif.

Application February 24, 1943, Serial No. 476,917
10 Claims. (Cl. 100—50)



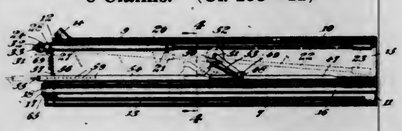
1. A press of the character described comprising a hollow cylinder of perforated sheet metal having a liner of filter material and a removable head secured to said cylinder closing one end thereof; a cylindrical ram coaxial with said cylinder for closing the central portion of the opposite end of the latter; the outside diameter of said ram being substantially smaller than the inside diameter of said liner for leaving a substantial space between the sides of said ram and said liner when the ram is moved axially into said cylinder, and means for so moving said ram; a packing box and bearings sealing the remaining portion of said opposite end of said cylinder around said ram against leakage and slidably supporting said ram for axial movement into said cylinder.

2,343,872
LOGGING TRAILER
John J. Low, Los Angeles, Calif., assignor to Kay-Brunner Steel Products, Inc., a corporation of Delaware
Application December 17, 1941, Serial No. 423,327
5 Claims. (Cl. 280—81)



1. In a wheeled vehicle; a frame; a hanger depending from said frame; a leaf spring pivotally mounted medially of its ends in said hanger to swing about an axis transversely of said frame; clevises fixed to and rising from the ends of said spring; pins in said clevises disposed lengthwise of said spring; sleeves rotatable on said pins; other sleeves above and fixed to the first mentioned sleeves at right angles thereto; axles in said other sleeves; and wheels journaled on the ends of said axles so as to be disposed at opposite sides of said spring.

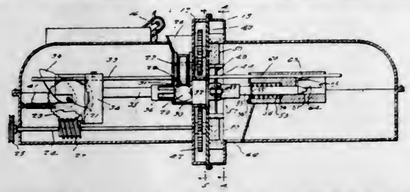
2,343,873
COMBINATION GAS AND LIQUID FUEL BURNER
Edward C. Newburg, Lackawanna, N. Y., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application May 9, 1941, Serial No. 392,691
8 Claims. (Cl. 158—11)



1. A burner unit comprising inner and outer vertically elongated tubular casings, an end plate welded to and connecting each of the front and rear ends respectively of the inner and outer casings to form a water jacket, a fuel injection pipe extending longitudinally through the water jacket and welded to the end plates, said inner casing defining a chamber, a fuel injection pipe mounted in the chamber and hingedly connected to the rear end plate of the water jacket, and means for angularly adjusting the last named fuel injection pipe in the chamber.

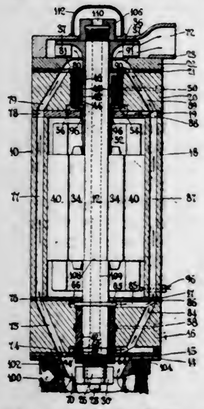
2,343,874
NUT-CRACKING MACHINE
Joseph R. Perez, San Antonio, Tex.
Application December 27, 1941, Serial No. 424,633
2 Claims. (Cl. 146—10)

1. A nut cracking machine comprising a gear housing having a central opening, a feed chute at one side of the housing adapted to support a nut at the bottom of the chute, said chute having openings in its opposite sides in alignment with the opening of the housing, a plunger having a plurality of spring fingers movable through one of the openings of the chute for engaging the nut and forcing the same through the opening in the housing, means for reciprocably actuating the plunger, a plurality of gear housings pivoted to the first-named gear housing at the side there-



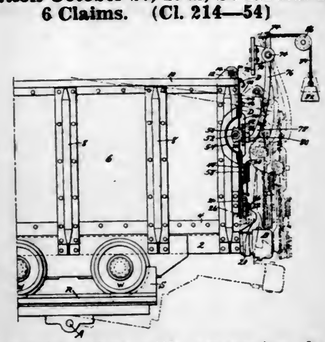
of opposite from the chute and arranged in a circle about said first-named opening, a shaft projecting from each of said last-named housings, a cutter on each shaft in the path of nuts moving through the openings and an anvil in the path of the nut beyond the cutters.

2,343,875
MACHINE TOOL
Arthur A. Schwartz, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application August 9, 1941, Serial No. 406,162
8 Claims. (Cl. 90—11)



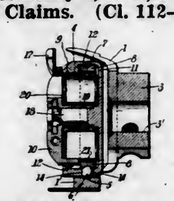
1. A machine tool including a housing, a spindle extending interiorly of said housing and mounted thereon by means of spaced bearings, electro-motive armature elements mounted concentrically upon said spindle between the positions of said spaced bearings, electro-motive field elements mounted upon said housing so as to substantially encompass said armature elements whereby upon rotation of said spindle said armature elements revolve in close proximity within said field elements, a cutting tool mounted upon one end of said spindle so as to extend beyond said housing into work piece cutting position, turbine means carried by the opposite end of said spindle for discharging vapor externally of said housing, and said housing being perforated to provide air passageways therethrough leading from the region of said cutting tool and extending through said housing in close proximity with said field elements and thence into communication with said turbine means, means supplying a continuous feed of lubricating oil to said bearings, and duct means within said housing for conveying oil exiting from said bearings into communication with said turbine means.

2,343,876
MINE CAR
Robert A. Shields, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application October 27, 1942, Serial No. 463,481
6 Claims. (Cl. 214—54)



1. In combination with apparatus for automatically releasing an end gate and for tilting a car to unload, an end dump mine car comprising car body side walls, an end gate hinged to said side walls, latch mechanism for locking said end gate in closed position and including a latch operator pivotally mounted with respect to the end gate and projecting laterally of the plane thereof to make contact with said releasing apparatus when the car commences tilting movement toward unloading position, said latch operator being rotated upwardly by said releasing apparatus into the plane of the end gate to release the end gate and automatically break contact with the releasing apparatus prior to full tilting of the car into unloaded position.

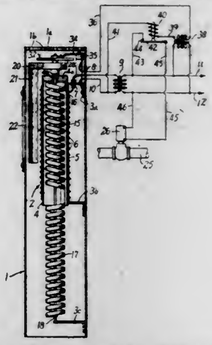
2,343,877
LOOP-TAKER FOR SEWING MACHINES
Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 8, 1942, Serial No. 425,961
19 Claims. (Cl. 112—228)



1. A rotary loop-taker for sewing machines comprising, a rotary loop-seizing element, a thread-carrier element journaled in and adapted to be restrained against rotation with said rotary loop-seizing element, said thread-carrier element having a plurality of sockets provided in the periphery thereof, and antifrictional members disposed in said sockets and having bearing contact with said rotary loop-seizing element.

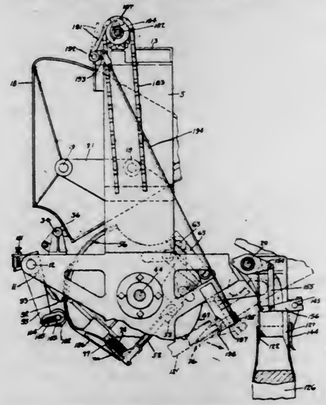
2,343,878
HUMIDITY MEASURING AND CONTROL APPARATUS
Albert Allen and Robert W. Cushman, Sharon, Mass., assignors to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application March 6, 1941, Serial No. 381,964
6 Claims. (Cl. 236—44)

1. In apparatus for maintaining the relative humidity of an atmosphere at a desired value, in combination, means for supplying water to humidify said atmosphere, means changeable in temperature in response to variations in the absolute humidity of said atmosphere, a bimetallic helix in heat exchange relation with said humidity-responsive means, an oppositely wound bimetallic helix responsive to the temperature of said atmosphere, said second helix being coaxial with and connected to said first helix, control means responsive to the difference in temperature measured by said two helices for regulating



said water supply means to decrease the supply of water to humidify said atmosphere when the temperature difference is greater than a predetermined value and to increase the supply of water to humidify said atmosphere when said temperature difference is less than said predetermined value, and indicating means responsive to the difference in temperature measured by said two helices and continuously and freely movable to positions indicative of the relative humidity of said atmosphere.

2,343,879
BAG FEEDING AND PACKAGING MACHINE
Daniel Belcher, Everis D. Munson, and Harold V. Kindseth, Minneapolis, Minn., assignors to Bemis Bro. Bag. Co., Minneapolis, Minn., a corporation of Missouri
Application June 7, 1940, Serial No. 339,314
8 Claims. (Cl. 226—61)



1. In a machine of the class described, a magazine for supporting a stack of flat empty bags in superposed relation, said bags having their bottoms disposed in flatwise relation to their respective bag bodies and facing upwardly in the magazine, a rotatable bag feed drum, said drum hav-

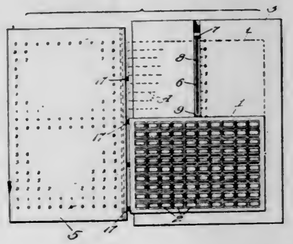
ing complemental gripping elements mounted thereon for engaging the lowermost bag in the magazine when the drum is rotated and withdrawing it therefrom, means operatively connected to said drum for engaging the leading edge of the bottom of said bag and folding said bottom upon a line transverse to the vertical axis of the bag body, whereby the bag body will assume its proper shape, when a charge is delivered thereinto.

2,343,880

METHOD OF PRINTING SERIAL NUMBERS

Kenneth H. Brownlee, Skokie, Ill., assignor to The Meyercord Company, a corporation of Illinois

Application January 7, 1942, Serial No. 425,884
13 Claims. (Cl. 101—45)



1. The method of placing on elements such as stamps, labels, and the like unlike groups of identifying characteristics, which consists in producing sheets made up of such elements arranged in parallel rows so disposed that corresponding elements in the rows form columns, providing a printing plate having a field twice as wide as the length of one of said columns and containing individual characters arranged in twice as many rows as there are rows of said elements and in as many columns as there are columns of said elements, printing as many sheets in registration with one-half of said field as are required to carry as the first characters the characters so printed; printing other sheets which have been shifted lengthwise of said columns through a distance equal to the spacings between said rows; and effecting further printings after relatively shifting the sheets and the plate, between successive printings, lengthwise of the rows through successive distances corresponding to the spacings required between consecutive characters on an element.

2,343,881

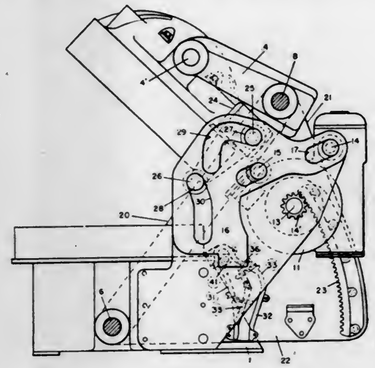
PRESS

James W. Brundage, Akron, Ohio, assignor, by mesne assignments, to The McNeil Machine and Engineering Company, Akron, Ohio, a corporation of Ohio

Application April 25, 1940, Serial No. 331,543
23 Claims. (Cl. 18—17)

13. In a mold press, the combination of an upper and a lower mold section complementary to each other, a pair of pivotally mounted side arms supporting said upper mold section, means for tilting said side arms, a pair of side plates fixedly attached to the base of said press, slotted plates movably attached to the inner sides of said side plates, cam followers on said upper mold section fitting in said slots and means for shifting said slotted plates relatively to said side plates during opening movement of the press.

20. In a curing press, the combination of upper and lower relatively movable press heads, a toggle linkage for moving the upper of said heads toward and away from the lower press head, said linkage comprising a first link pivotally secured at one end to said upper press head and a second link pivotally secured to the other end of said



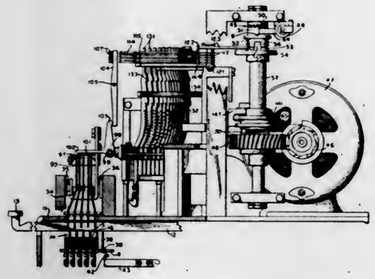
first link and at a pivot below said lower head, said links of such length that they are in substantial parallel overlying relationship when the press is closed, a rack on said second link disposed in an arc about said last named pivot point, a pinion in mesh with said rack, means rotatably supporting said pinion, and means for rotating said pinion.

2,343,882

KEYBOARD PRINTING AND PERFORATING APPARATUS

John O. Carr, Park Ridge, and Maurus T. Goetz, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application August 17, 1942, Serial No. 455,106
12 Claims. (Cl. 164—112)



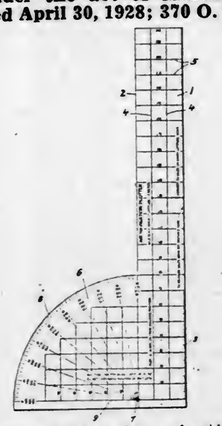
1. A combination tape perforator and printer comprising tape punching instrumentalities, a punch selector mechanism for permutably selecting said instrumentalities, a keyboard for directly operating said selector mechanism, a tape printing mechanism, a type selector mechanism for controlling said printing mechanism in accordance with the setting and under the sole control of said punch selector mechanism, and power means for operating said punching instrumentalities and said printing mechanism to thereby effect a combined tape printing and perforating operation on a tape.

2,343,883

AIR NAVIGATION PLOTTER

William J. Catlett, Jr., United States Navy

Application September 3, 1942, Serial No. 457,239
1 Claim. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A transparent integral navigational plotting instrument comprising a rectangular rule portion substantially 12 inches long having a quadricircular portion with one radial edge along a long edge of the rectangular portion, the other radial edge being flush with the end portion thereof and a narrow rectangular strip portion along this end and the said other radial edge, a pencil point perforation being made at the juncture of the three portions, the instrument having rectangular grid lines at half inch intervals, forming scales longitudinally and transversely of the instrument originating at the lines intersecting at the perforation, the grid lines being marked numerically with 10 unit intervals in the numerals, the first few spaces between the grid lines along the outer edges of the grid markings being subdivided into 10 divisions in each space, the arcuate edge of the quadricircular portion being divided into a one degree scale, every 10 degree division being connected by a light radial line with the perforation, and the degree scale being marked at the 10 degree intervals by four sets of numerals, two covering the 90 degree ranges from 0 to 90 and 180 to 270 and running in a clockwise direction, the other two covering the 90 to 180 and 270 to 360 ranges and running in a counter-clockwise direction, the latter two sets being engraved in reverse so as to be legible from the opposite side of the instrument.

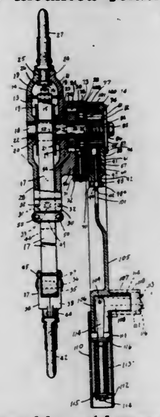
2,343,884

UNIVERSAL FREE TAPE HOIST

Fredrick W. Coffing, Danville, Ill.

Application April 30, 1941, Serial No. 391,043
7 Claims. (Cl. 254—167)

7. A hoist structure having in combination a housing including a chamber with a load carrying member therein, a single shaft rigid with the member and projecting from the chamber at one end, the free end of the load supporting shaft including a thread portion, a ratchet coaxial with the member and having a threaded portion operatively associated with the shaft thread portion, relative rotation in opposite directions therebetween causing the ratchet to move towards or away from the load carrying member, a second ratchet freely rotatable on said shaft, clutch members at opposite sides of the second ratchet, another member rigid with the shaft, one clutch member being interposed between said second mentioned rigid member and said second mentioned ratchet and the other clutch member being interposed between the ratchets, a load holding pawl normally constrained to second ratchet engagement, a tubular projection upon the housing and nesting the second mentioned rigid member and ratchet and included clutch member, an operating pawl normally constrained to first ratchet engagement and chambered means coaxially mounted relative to the shaft



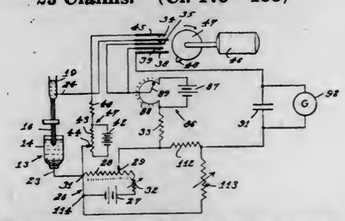
and pivotally movable, said means supporting the operating pawl and enclosing the first mentioned ratchet and having direct bearing association with the free end of the tubular projection, the chamber being of magazine type, the load carrying member being of tape spool character, said magazine having a tape accommodating throat with an outlet appreciably remote from the shaft axis, the outlet being of tape enveloping character, a hoist support carried by the housing opposite from the throat, the outlet and longitudinal center of said support being substantially aligned and slightly offset from the shaft axis.

2,343,885

TEST METHOD AND APPARATUS THEREFOR

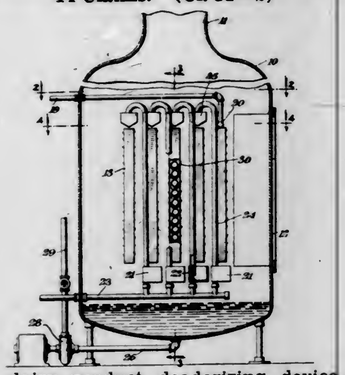
Edwin D. Coleman, Maywood, Ill.

Application April 21, 1941, Serial No. 389,559
23 Claims. (Cl. 175—183)



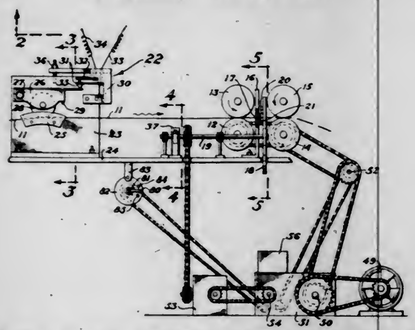
1. The method of making tests upon a liquid with a dropping mercury electrode which includes the steps of starting the formation of a mercury droplet at a predetermined time by momentarily imparting a high potential to the previous droplet on said electrode to reduce the surface tension thereof and cause the same to release from the electrode, applying a substantially constant measurement potential to said drop, and effecting a measurement of the electrical current to the forming droplet resulting from said constant potential upon the lapse of a predetermined time after the start of formation of said drop and at a substantial interval after the constant potential is applied.

2,343,886
DAIRY PRODUCT DEODORIZER
Fritz G. Cornell, Jr., Mountain Lakes, N. J.
Application July 30, 1941, Serial No. 404,642
14 Claims. (Cl. 31—2)



1. A dairy product deodorizing device comprising a single container, means for maintaining vacuum in said container, two or more heat exchangers positioned in series in said container and extending between different levels, means for circulating attemperating fluid through the interior of said exchangers, means for supplying liquid dairy product to the exterior of the top of one exchanger, and means associated with all but one of said exchangers for collecting liquid discharged therefrom and delivering the same to the top of another exchanger, a portion of the container being the means for receiving the liquid dairy product from said one heat exchanger.

2,343,887
APPARATUS FOR CUTTING TAPERED FILAMENTS
Paul W. Crane, Montclair, and Reuben T. Fields, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 25, 1942, Serial No. 466,966
12 Claims. (Cl. 164—68)

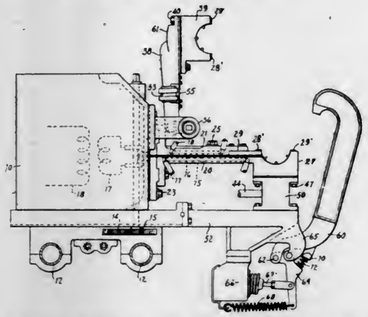


1. In an apparatus for cutting a tapered filament composed of a series of relatively uniform tapered sections, at a predetermined point in each of said tapered sections, the combination of means for cutting a tapered filament, means for delivering said filament to said cutting means, a gauging device comprising a rigid surface and a rocker adapter to make tangential contact with filament in contact with said surface at a fixed point in the path of said filament in advance of said cutting means, and means actuated through said gauging device by change of diameter of the filament there gauged, of controlling the relation between the linear rate of delivery of said filament and the frequency of operation of said cutting means.

2,343,888
HEAT TREATMENT OF STEEL
Welton J. Crook, United States Army, Davenport, Iowa
Application April 8, 1942, Serial No. 438,102
1 Claim. (Cl. 148—21.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

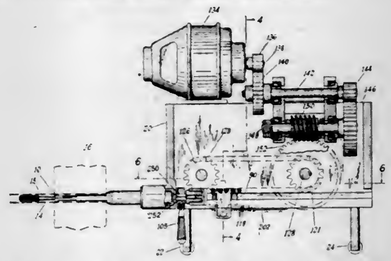
The two-step process of producing steel gun recoil cylinders, counter-recoil cylinders, hollow control rods, and the like, which comprises the steps of normalizing said steel, and thereafter drawing said normalized steel below the lower critical temperature thereof and within the range of approximately 500° F. to approximately 1200° F., said steel being selected from the group exhibiting a condition of substantial abnormality under the conditions of the McQuaid-Ehn test and having a grain size rating (A. S. T. M.) of from six to eight, inclusive, whereby the physical properties of said steel are enhanced without impairing the machinability thereof by hard spots due to the formation of martensitic structure and whereby stress relieving operations are substantially eliminated due to the absence of distortion.

2,343,889
APPARATUS FOR ELECTRIC HEATING
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Original application October 15, 1938, Serial No. 235,256, now Patent No. 2,255,103, dated September 9, 1941. Divided and this application January 16, 1941, Serial No. 374,692
6 Claims. (Cl. 219—13)



1. In apparatus of the class described, a heating unit comprising a transformer and a pair of complementary inductor segments, one of the inductor segments being substantially fixedly connected to one terminal of the transformer and the other segment being hingedly connected adjacent to another terminal of said transformer, the hinge comprising means for delivering cooling fluid to the hinged segment, the hinged segment having a current conducting contact surface adapted to engage a current conducting contact surface of the fixed segment to cause current from the transformer to flow in series through the segments when the said surfaces are in contact, clamping means adapted to bring the segments together to establish current conducting engagement of the contact surfaces, the clamping means comprising a clamp and a power actuated element adapted to first automatically move a part of the clamp in one direction to bring the said part into clamping position adjacent to one of the segments and then to move the said part of the clamp in a direction substantially at right angles to the direction of the first movement to bring a part of the clamp into pressure engagement with a part of the last named segment and to continue the movement at right angles to cause the contact surface of the hinged segment to press firmly against the contact surface of the fixed segment to complete the series circuit through the segments for current from the transformer.

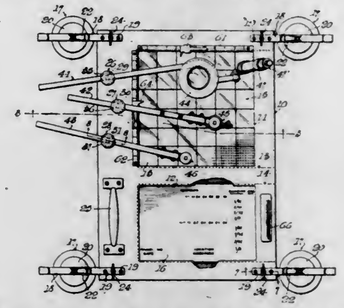
2,343,890
TUBE EXPANDER
Edward Alexander Dewald, Massillon, Ohio, assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application October 7, 1939, Serial No. 298,345
14 Claims. (Cl. 153—80.5)



1. A tube expander comprising, in combination, a long rod-like mandrel having a conically tapered section integral therewith, an expansible tubular sleeve mounted on the mandrel in telescopic relation thereto, the sleeve being split throughout a substantial part of its length to form spring segments extending from the annular and unitary end of the sleeve toward the tapered section of the mandrel, each segment terminating in a part of an expander head through which the tapered section of the mandrel is longitudinally movable, mandrel pulling mechanism for causing the tapered section of the mandrel to expand said head and thereafter move the expanded head through a tube end, devices for moving the expander from one tube to another, means including said devices for supporting said mandrel and pulling mechanism as a unit so that as the unit is moved from one tube to another the successive positions of the expander mandrel are in parallelism, and manually operable means for turning the split expander sleeve with reference to an expanded tube so that the openings between different segments of the split sleeve will be at angular positions removed to a predetermined extent from their original positions.

2,343,891
DEVICE FOR ANALYZING SURFACE DEFECTS
Ferd Dieffenbach, Pittsburgh, Pa.
Application February 2, 1942, Serial No. 429,149
6 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A surface testing apparatus comprising a frame provided with a rectangular opening, means in connection with said frame for effecting its detachable connection with the surface under test, a plurality of test instruments carried by said frame and adjustable thereover relative to said opening, a transparency bearing a coordinate system, said transparency being



slidably mounted within said frame above the portion of the surface outlined by said rectangular opening and adapted to indicate the location and extent of testing areas outlined by the opening in said frame to be tested by said testing instruments.

2,343,892
ROPE STRUCTURE AND METHOD OF MAKING SAME
Milo C. Dodge and Nils R. Axelsson, Auburn, N. Y., assignors to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application October 9, 1942, Serial No. 461,462
8 Claims. (Cl. 57—140)

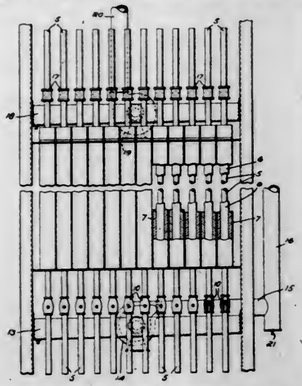


1. The method of forming a stranded rope structure composed of synthetic thermoplastic yarns which consists in twisting a plurality of said yarns into a strand, twisting a plurality of strands together to form said rope, immersing said rope in a liquid bath heated to a temperature to soften the material forming said yarns and strands without substantially decreasing the stretchability of the yarns and strands whereby said yarns and strands are rendered sufficiently plastic to permanently assume the twist imparted to them in forming said rope without materially reducing the stretchability of the rope, and then cooling said rope to set said yarns and strands.

2,343,893
VULCANIZER
Albert W. Ferre, Wellesley, and Charles E. Blanchard, Randolph, Mass., assignors to B. F. Sturtevant Company, Boston, Mass.
Application March 28, 1942, Serial No. 436,576
7 Claims. (Cl. 18—6)

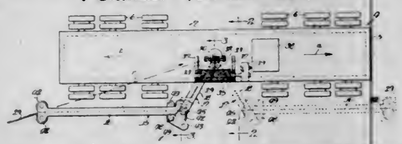
1. A vulcanizer for rubber covered wire and the like, comprising a plurality of upwardly extending tubes through which the wire passes, means for admitting superheated steam into said tubes at points intermediate the ends thereof, said tubes having open upper and lower ends, means including a fan adjacent the upper ends of said tubes for drawing in air through said upper ends forming an air seal and for drawing in superheated steam from said tubes, and means including a fan adjacent the lower ends of said

tubes for drawing in air through said lower ends and for drawing in superheated steam from said



tubes, said last mentioned means including means for preventing the passage of moisture from said lower ends.

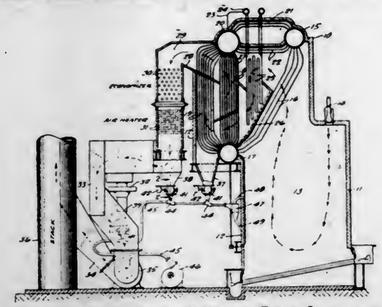
2,343,894
TOWING TRUCK
James B. Fisher, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin
Application May 14, 1942, Serial No. 442,949
7 Claims. (Cl. 254—166)



2. In combination, a power driven vehicle comprising a frame, a towing arm comprising an inner section extending generally transversely of and outward beyond said frame and an outer section rigidly secured to the outer end of said inner section and extending therefrom generally lengthwise of said frame, said inner section being pivotally mounted on said frame substantially at the center thereof and free therefrom for swinging movement about a vertical axis in the use of said vehicle for towing, and means for guiding a towing cable along said sections of said arm to provide two runs of said cable respectively substantially parallel with the arm sections and for attaching said cable to said frame substantially centrally thereof.

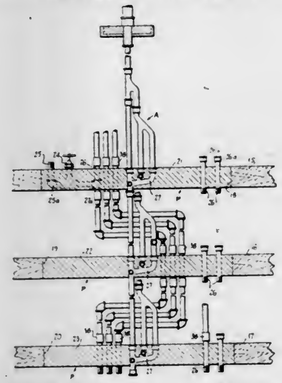
2,343,895
VAPOR GENERATOR
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application January 9, 1940, Serial No. 313,025
4 Claims. (Cl. 110—165)

1. Steam generating apparatus comprising a steam generating section, heat recovery means and a dust collector, a furnace, means for firing the furnace comprising a pulverized fuel burner arranged and disposed to direct a stream of gases of combustion through the furnace so that the zone of agitation created thereby is in spaced relationship to a portion at least of one wall of the furnace, means associated with the steam generating section, the heat recovery means and the dust collector for collecting fly ash separately from each of the specified parts of the apparatus, means for producing an air stream, means for separately delivering to the air stream the collected fly ash from each of the fly ash collecting means, a separator, means for conducting the air stream with entrained fly ash to the separator



wherein air is separated from fly ash, means for delivering to the furnace the separated air, and means for delivering the separated fly ash to the furnace adjacent said portion of said one wall and substantially out of the zone of agitation created by the flow of the stream of gases of combustion in the furnace.

2,343,896
SANITARY AND SAFETY PIPE-FLOOR CONNECTION
Abraham Fishko, Brooklyn, N. Y.
Application October 3, 1941, Serial No. 413,592
12 Claims. (Cl. 20—1)

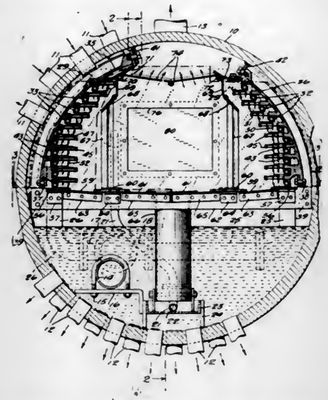


1. In a pipe shaft between successive floors of a building, a pan member spanning the shaft opening at substantially each floor level, said member being secured to the floor arch and being of substantially the depth thereof, said member having passages comprising pipe fittings forming integral parts of said member and to which pipe lines may be connected, said pipe fittings providing continuations of respective of said lines when said lines are connected thereto, said member sealing the shaft opening substantially at the upper and lower levels of said arch.

2,343,897
APPARATUS FOR PURIFYING STEAM
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application August 31, 1940, Serial No. 354,932
6 Claims. (Cl. 261—23)

1. Apparatus for washing steam comprising enclosing means, a tray disposed in said enclosing

means, a supply pipe in the tray at one side thereof and fixed thereto, means for supplying water to said pipe, the pipe having apertures therein through which water flows therefrom and through the tray, supporting lugs secured to the pipe, an inverted U-shaped baffle above the tray



and in spaced relationship thereto and having a leg extending into the water in the tray, supporting lugs secured to the opposite side of the tray, means for supplying steam to the tray at the supply pipe side thereof, and means engaging said lugs and the legs of the baffle for supporting the tray and baffle.

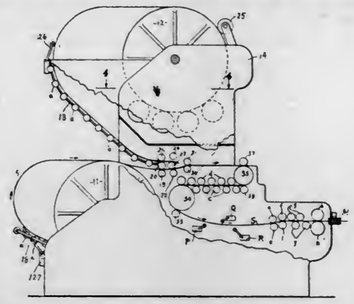
2,343,898
FILM FORMING COMPOSITION, METHOD, AND ARTICLE
Ira L. Griffin, Dave E. Truax, and Norman H. Nuttall, Charlotte, N. C., assignors to Stein, Hall and Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 11, 1942, Serial No. 430,412
37 Claims. (Cl. 117—161)

19. An article of manufacture containing a water resistant reaction product of an antimony compound with a polyvinyl alcohol and an amylaceous substance.

26. A method of treating objects to render them more water resistant which comprises applying thereto a water dispersible, film forming carbohydrate material hydrolyzable by acids to a simpler molecular form, applying to said object in a separate phase an antimony compound reactive with said carbohydrate material to render the same water insoluble and then drying the object containing said carbohydrate material and said antimony compound.

2,343,899
STRIP FEEDING MECHANISM
Alvin F. Groll and Meredith R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application November 4, 1941, Serial No. 417,868
39 Claims. (Cl. 153—54)

1. In a metal strip feeding mechanism in combination a pair of adjustable coil cradles, a flexing device for the metal strip, said flexing device comprising a plurality of guide rolls and two sets of breaker rolls, one mounted above the other, the lower set of said breaker rolls being pivotally mounted to be capable of swinging downward to open up a passageway for introducing the metal strip before starting the flexing operation, means for alternately feeding the metal strip from one of said coil cradles to and through said flexing

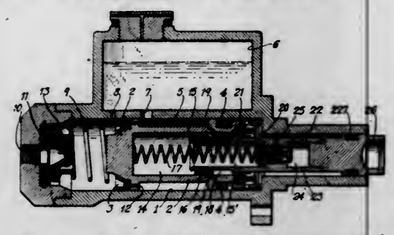


device, a plurality of limit switches controlling the speed during the passage through said flexing device, hydraulic power means for operating said feeding mechanism and electric control means for said hydraulic means.

2,343,900
COMPOUND HYDRAULIC BRAKE COMPRESSOR
Martin V. Groves, New York, N. Y., assignor of one-half to Arthur Wilde and Arthur Hull-Ryde, Bayside, N. Y.
Application November 20, 1940, Serial No. 366,333
14 Claims. (Cl. 60—54.6)

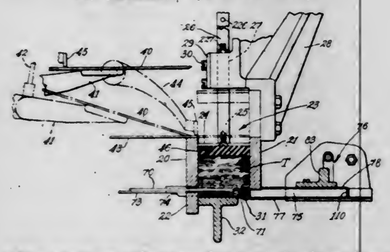
1. A compound hydraulic brake compressor, comprising a cylinder formed with a closed front end which is provided with an opening for connection with the fluid line of hydraulic brakes, a main piston slidably mounted in said cylinder and having a small bore providing an auxiliary cylinder, an auxiliary small piston slidably mounted in said bore, means for urging said small piston forwards for applying the brakes, hydraulic fluid means for normally rigidly connecting said pistons together as a unit and controlled with a pressure loaded valve actuated by pressure of the hydraulic fluid and controlling a passage extending from said auxiliary cylinder to the rear of said main cylinder, for connecting the fluid in said auxiliary cylinder with the fluid in the rear of said main cylinder to disconnect the pistons, a one way valve controlling a passage through which fluid from the rear of said main cylinder may enter said auxiliary cylinder upon rearward motion of said auxiliary piston, means for normally urging said main piston rearwards, and means for normally urging said auxiliary piston rearwards, said pressure loaded valve opening said passage upon a predetermined pressure and thereby permitting movement of the auxiliary piston relative to the main piston to discharge fluid to the rear of the main cylinder for moving the main piston forward.

2,343,901
COMPOUND HYDRAULIC COMPRESSOR
Martin V. Groves, Brooklyn, N. Y., assignor of one-half to Arthur Wilde and Arthur Hull-Ryde, Bayside, N. Y.
Application October 24, 1942, Serial No. 463,165
14 Claims. (Cl. 60—54.6)



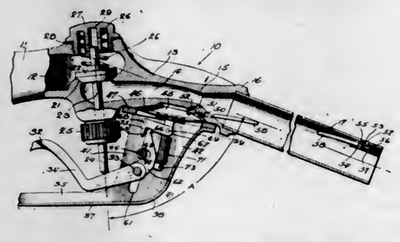
1. An unloading valve for interconnecting a low pressure side and a high pressure side in a compound hydraulic actuator, comprising means of communication between said low pressure side and said high pressure side, a valve portion controlling the flow of fluid through said means of communication, resilient means for urging said valve portion to closed position, a piston movable with said valve portion, and a cylinder in which said piston is disposed and providing with the under side of said piston a fluid chamber, said cylinder on the other side of said piston being in communication with said low pressure side, said valve portion and piston being movable against said resilient means by predetermined pressure on said high pressure side to open said means of communication, means to pass fluid in either direction between said fluid chamber and the low pressure side of said piston, whereby upon the opening of said valve fluid is passed into said fluid chamber from the low pressure side of said piston to hold the piston outwardly against said resilient means and the valve is held in open position until said predetermined pressure on said high pressure side is reduced, whereupon fluid is passed from said chamber to said low pressure side of said piston and the valve is returned to closed postion.

2,343,902
METHOD OF MAKING CIGARS
John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application October 27, 1938, Serial No. 237,254. Divided and this application July 23, 1941, Serial No. 403,637
11 Claims. (Cl. 131—21)



1. The process of manufacturing cigar bunches comprising, forming substantially thin flat bunch layer charges of tobacco of substantially uniform charge thickness, locating said charges on a table, maintaining said charges in substantially flat condition thereon, rolling a charge thus located and maintained spirally upon itself into loose bunch form while the portion of said charge other than that being rolled is maintained in flat condition on said table, constricting said loose bunch form peripherally to reduce the diameter to substantially that of a finished bunch, and then rolling said constricted bunch in a binder to form a bunch therefrom.

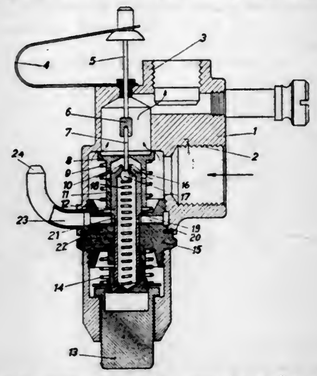
2,343,903
AUTOMATIC SHUTOFF NOZZLE
Lowell F. Hammand, Washington, D. C.
Application November 18, 1941, Serial No. 419,525
2 Claims. (Cl. 226—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an automatic liquid filling device of the type which has a spring-biased valve, a diaphragm, and a hand lever, the combination of a spindle on which the said lever is pivoted in abutting relation to the stem of the said valve, the device having a slot in which the said spindle is received for a limited extent of movement, a latch finger on the said spindle provided with a shoulder, a pin fixed on the device adapted to be engaged by the said latch shoulder to maintain the said spindle at one extremity of its said slot, the said hand lever being adapted in this said latched position of its spindle to actuate the said valve stem and open the valve, the said latch finger being biased in a direction to free its said shoulder from the said latch pin, a detent lever pivotally mounted on the device with its distal end articulated to the said diaphragm, the said detent lever having a ledge engaging the distal end of the said latch finger to maintain the finger in the said latched position, the said detent lever being effective upon actuation of the said diaphragm to withdraw its said detent ledge from the latch finger to permit the said spindle to shift to the other extremity of its said slot, the said shifting of the spindle in its slot moving the said hand lever away from the said valve stem, whereby the spring-biased valve is permitted to close under urgency of its said spring.

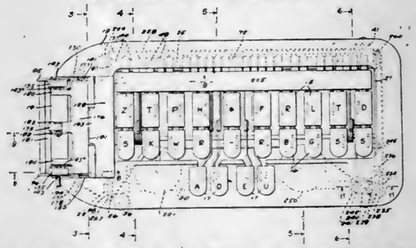
2,343,904
SAFETY IGNITION DEVICE FOR GAS BURNERS
Georg Hegwein, Dessau, Germany; vested in the Alien Property Custodian
Application February 27, 1939, Serial No. 258,837
In Germany March 8, 1938
17 Claims. (Cl. 158—117.1)

1. A safety ignition device for gas burners comprising a pilot-flame valve, a main gas valve, a thermostat adapted to be heated by the pilot flame, a control device actuated by said thermostat, said control device directly engaging and operating said valves so that, when the thermostat is heated, first the pilot-flame valve and then after a predetermined lapse of time the main gas valve are opened in succession by said thermostatically actuated control device, said valves being closed in reverse order when the thermostat cools down, and a tubular means connected with said main gas valve and operable thereby. said tubular means surrounding the pilot valve



and being provided with openings for the passage of the pilot gas and being further provided with means for progressively throttling of the pilot gas when the main gas valve is moved by the thermostat beyond its completely open position.

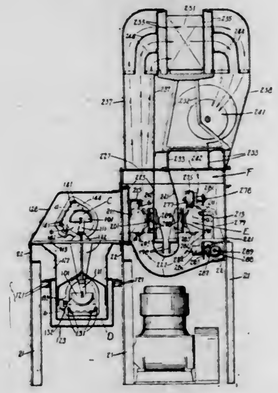
2,343,905
TYPEWRITING MACHINE
Otto C. W. Henze and Edward Nyborg, New York, N. Y., assignors to Joseph Lee Sweeney, New York, N. Y.
Application June 18, 1941, Serial No. 398,552
26 Claims. (Cl. 197—9)



25. A typewriting machine for printing type characters simultaneously across a strip of paper, comprising an elongated frame, a keyboard arranged at the top of a frame and of substantially the same length as the frame, said keyboard including rows of depressible keys extending lengthwise of the frame, a platen arranged at one end of the frame and positioned transversely of the rows of keys, a plurality of type characters mounted side by side at the same end of the frame, a type carried by each of said type carriers, said types being arranged in a straight line transversely of the frame and cooperating with the platen, and cables arranged substantially directly beneath said keyboard and operatively connecting said type carriers and keys.

2,343,906
COATING MACHINE
John M. Hothersall, Brooklyn, N. Y., and John H. Murch, East Orange, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 17, 1939, Serial No. 262,560
11 Claims. (Cl. 226—20)

1. In a machine for preparing empty sealed moisture proof sterile containers for the subsequent packaging of milk and the like, wherein means are provided in the machine for interiorly and exteriorly coating with waxlike material preformed fibre containers having a filling and dispensing opening in a wall thereof and a hingedly secured closure element for removably closing said opening, said machine also having means for cooling, means for sterilizing and means for closing the coated containers and means for continuously conveying the containers through the machine during the described coating and treating operations, the combination of a closed housing surrounding the conveying means, said conveying means consisting of a plurality of adjacent endless coating and treating conveyors disposed in substantially parallel relation within separate juxtaposed communicating chambers within said housing respectively containing said coating and

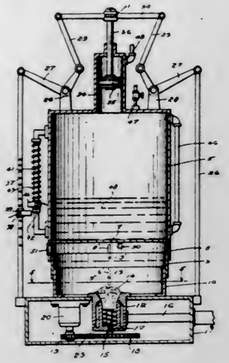


treating means out of contact with the atmosphere, guide rails disposed adjacent the path of travel of said conveyor for supporting and guiding the containers while being advanced thereon, said guide rails maintaining the containers in a horizontal position during their passage through said batch and thereafter to invert the coated containers for draining and then to turn the drained containers into upright position above the bath, said guide rails including means for holding the hinged closures of said containers in open position during the movement of the containers through said bath to insure admission of molten wax to the interior of said containers, and means disposed between adjacent ends of said coating and treating conveyors for successively receiving the upright coated containers from the coating conveyor and for transferring such containers to said treating conveyor for the cooling, sterilizing and closing operations.

2,343,907
STEAM BOILER
Guy John Kimbel, Philadelphia, Pa.
Application October 22, 1941, Serial No. 416,102
4 Claims. (Cl. 236—26)

1. A boiler comprising a steam generating chamber, a cylinder communicating with the chamber, having a piston therein responsive to predetermined pressure of steam in the chamber, a burner, means connecting the burner to the piston for suspending the burner beneath the chamber for vertical adjustment of the burner

relative to the chamber in accordance with variations in the pressure of steam in the chamber,

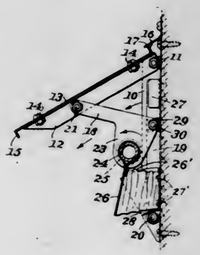


electrically operated feed means for the burner, and switch means for said feed means controlled by the movement of said piston.

2,343,908
VITREOUS ENAMELING
Charles J. Kinzie and Donald S. Hake, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Original application July 28, 1937, Serial No. 156,137. Divided and this application March 18, 1940, Serial No. 324,736
6 Claims. (Cl. 106—48)

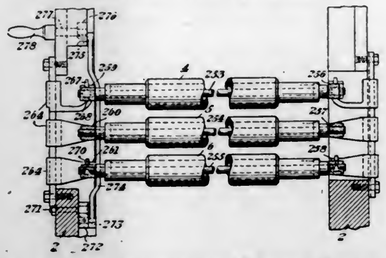
1. A white vitreous enamel containing as an opaquing agent a minor quantity of a zirconium oxide compound having an adsorbed carbon dioxide content in which carbon dioxide evolved during firing produces opacity.

2,343,909
AWNING FIXTURE
Waldemar Kroier, Jacksonville, Fla.
Application November 2, 1942, Serial No. 464,231
12 Claims. (Cl. 160—22)



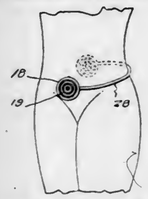
1. A fixture of the class described comprising a canopy movably mounted on a fixed support, a linkage connecting said canopy with a fixed support, and a movable awning rod mounted on a plurality of sets of the links and operable to break or straighten said linkage and lower or raise said canopy.

2,343,910
INKER MECHANISM
John Kunz, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 3, 1940, Serial No. 350,705. Divided and this application October 17, 1941, Serial No. 415,402
12 Claims. (Cl. 101—358)



1. In an inker, a plurality of form inking rollers and common means including a rapidly shiftable operating member for tilting said rollers simultaneously to a position out of the path of the form.

2,343,911
TRUSS
Frank B. Lane, deceased, late of Paragould, Ark., by Harry I. Lane, administrator, Conway, Ark., assignor to Lifetime Truss Company, Inc., Jonesboro, Ark.
Original application June 11, 1941, Serial No. 397,610. Divided and this application March 6, 1943, Serial No. 478,268
3 Claims. (Cl. 128—96)

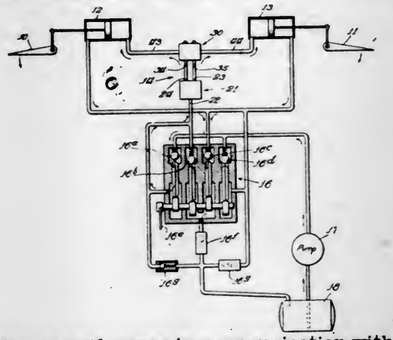


1. A truss comprising a pad composed of a plurality of spaced concentric rings of molded material, a rigid backing ring attached at the rear of each of said rings, a wire member having one end inserted radially through each of the backing rings and adapted to partly encircle the body of a person, and means for releasably securing the end of the member in said rings.

2,343,912
FLOW EQUALIZER
John A. Lauck, Cleveland, Ohio, assignor to Pesco Products Co., a corporation of Ohio
Application January 17, 1940, Serial No. 314,209
6 Claims. (Cl. 244—85)

1. In an aircraft control assembly including a pair of arcuately adjustable remotely located aircraft landing flaps, duplicate liquid pressure-responsive piston motors for adjusting each of said flaps, means for delivering equal quantities of liquid to each of said piston motors for effecting duplication of adjustment of said flaps irrespective of variations in the air resistance to movement encountered by said respective flaps, said means comprising a housing having a single liquid inlet for receiving a single stream of liquid and a pair of separate outlets for discharging

said liquid therefrom in two equally divided streams supplying said respective ones of said piston motors, said housing being formed with a pair of parallel gear unit receiving chambers, each chamber including in turn a pair of overlapping cylindrical bores, gears received in said bores meshing in said overlapping areas, means connecting said gears together for operation in unison, said chambers being in common communication on the inlet side of said gears with said single inlet and in independent communication with said separate outlets on the outlet side of



said gears and means in communication with said divided streams responsive to an increase in resistance to flow in the divided stream to one of said piston motors effective to throttle the flow in said other divided stream leading to said other piston motor to thus increase the back pressure on the corresponding pair of said gears in said other stream to the same value as the back pressure on the other pair of said gears in said one of said streams whereby the volumetric efficiencies of said gear units are maintained equal and duplicate quantities of liquid are metered to said respective piston motors for duplicating the arcuate movement of said flaps.

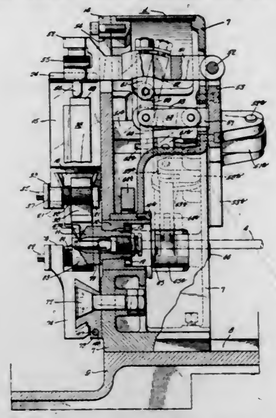
2,343,913
ONE-PIECE SAFETY RAZOR
Giuseppe Lenta, Beausoleil, France; vested in the Alien Property Custodian
Application January 18, 1941, Serial No. 375,075
In France December 26, 1939
3 Claims. (Cl. 30—58)



1. A safety razor comprising a handle, a blade supporting plate divided into two spaced portions secured fixedly to said handle, a guard plate and means on said guard plate extending into the space between said spaced portions and cooperating with said portions whereby said guard plate may slide on said portions and tilt to a position substantially perpendicular to said supporting plate for cleaning and blade replacing purposes.

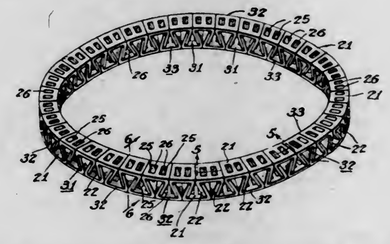
2,343,914
AUTOMATIC LATHE
Nicholas P. Lloyd, Wynnewood, Pa.
Application March 15, 1941, Serial No. 383,634
13 Claims. (Cl. 82—2)

1. The combination with a relatively fixed tool support, of a rotary work spindle, means for axially traversing said spindle with respect to said support, a guide on said support, a member slidably supported in said guide for rectilinear movement toward and from the axial line of said spin-



die, a tool carrier pivotally mounted on said member on an axis paralleling the said spindle axis, and means for adjusting said carrier both angularly about and axially of said pivot.

2,343,915
PISTON RING
William S. Loeb, Philadelphia, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware
Application April 23, 1942, Serial No. 440,184
20 Claims. (Cl. 309—44)

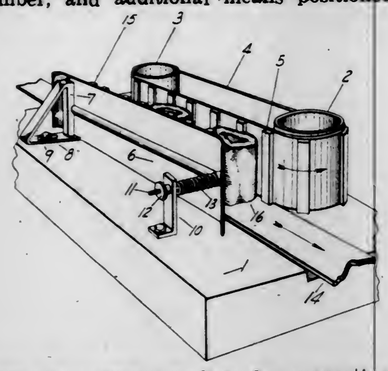


1. An oil-control piston-ring comprising a plurality of individual circumferentially-disposed segments of sheet metal or the like bent and folded generally axially to provide radially-extending oil-passageways therethrough, each of said segments being separably engaged in circumferentially-fixed relationship with its adjoining segments to provide a generally continuous annulus.

2,343,916
APPARATUS FOR LOOSENING YARN PACKAGES
Frederick Farwell Long, Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 21, 1941, Serial No. 380,010
2 Claims. (Cl. 18—8)

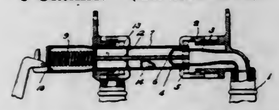
1. An apparatus for loosening a yarn package comprising opposed presser members, one of said presser members comprising a plate-like member, the other comprising a belt-like member, said belt-like member being adapted to rotate the yarn package and move the yarn package

between the plate-like member and the belt-like member, and additional means positioned be-



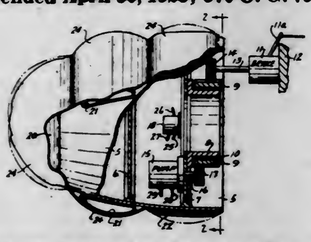
tween the presser members for supporting and moving the yarn package between the presser members.

2,343,917
ELECTRIC CIRCUIT BREAKER WITH COMPRESSED FLUID BLOWOUT
Bernard Marie Hilaire Paul Fernier, Lyon, France; vested in the Alien Property Custodian
Application June 18, 1938, Serial No. 214,489
In Germany June 21, 1937
8 Claims. (Cl. 200—148)



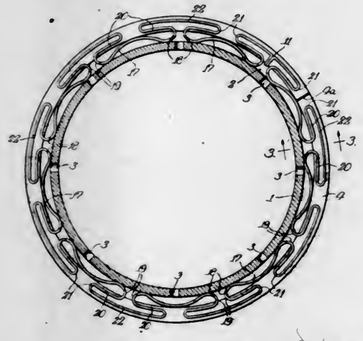
1. Electric circuit breaker with compressed fluid blowout comprising arc-drawing means including a fixed contact and a movable contact; means to move the latter toward and from said fixed contact; main contacts disposed about the direction of movement of said fixed contact and said movable contact and outside of the blowout blast; means to direct a blowout blast of compressed fluid from said fixed contact toward said movable contact; and an insulating tubular member with converging walls always to enclose said fixed contact of said arc-drawing means and through which the blast takes place.

2,343,918
MEANS FOR DEICING PROPELLER SPINNERS
Howard M. McCoy, Patterson Field, Ohio
Application May 11, 1943, Serial No. 486,501
6 Claims. (Cl. 244—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. De-icing apparatus for propeller spinners comprising, in combination, one or more inflatable and deflatable cells mounted on the outside of the spinner to rotate therewith; a pump driven by power derived from the act of propeller rotation; tubes connecting the pump to the cells to inflate them; means to control discharge of the compressed air in the cells; and operator-controlled means to control the pump and the discharge-controlling means and the speed of operation thereof.

2,343,919
PISTON RING STRUCTURE
Thurlow E. McFall, Sparta, and Oliver G. Norton, Detroit, Mich., assignors, by mesne assignments, to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Original application October 26, 1938, Serial No. 236,976. Divided and this application January 2, 1943, Serial No. 471,128
4 Claims. (Cl. 309—45)



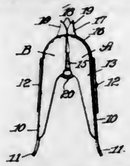
1. A piston ring construction comprising, two spaced apart rings, the combined thickness of which is less than the width of a ring groove in a piston in which the ring construction is to be installed, and a length of thin spring material formed to be received within an annular ring groove in a piston and having spaced outwardly bowed sections, the end portions of which are adapted to bear against the bottom of the ring groove, and then continued in reverse bends and in sections extending toward and approaching each other, each of said sections being reversely bent and integrally connecting with an outer section, thereby forming an elongated loop between each of the two consecutive bowed sections, the ends of said loop overlapping the adjacent portions of the bowed sections and shaped to lie between the inner and outer edges of the ring members, said loop having its edge portions each cut away a distance equal substantially to the thickness of a ring member, as and for the purpose specified.

2,343,920
TEXTILE TREATMENT PROCESS
Robert William Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 30, 1940, Serial No. 354,907
15 Claims. (Cl. 8—132.5)

8. Process which comprises impregnating a textile with at least 0.5% of a monofunctional acylating agent of the class consisting of organic isocyanates, isothiocyanates, carboxylic acid anhydrides, sulfonic acid anhydrides, ethenones, acyl halides and acyl azides and at least 0.5%

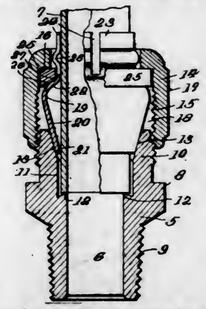
of a monomeric, non-polymerizable, substantially water-insoluble amine containing not more than two amino nitrogens, at least ten carbon atoms and at least one hydrogen on amino nitrogen and curing the fabric impregnated with the amine and the acylating agent at 70–150° C.

2,343,921
STAPLE REMOVER
Curt E. Nyberg, Chicago, Ill., assignor to Metal Specialties Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 8, 1941, Serial No. 382,313
14 Claims. (Cl. 254—28)



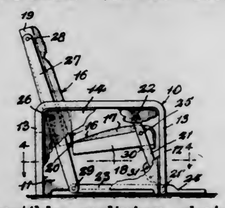
8. A staple remover comprising a pair of members pivotally connected at an intermediate portion thereof and providing rearwardly-extending handles and forwardly-extending spreader jaws, and spring means normally urging said spreader jaws together, said spreader jaws having thin portions adapted to extend below the bridge of a staple, each of the jaws having an arcuate concave surface on the outer side thereof extending rearwardly from the forward end of the jaw for a distance materially greater than the diameter of the staple and adapted to engage the legs of the staple when the handles are pressed inwardly whereby the jaws, when urged outwardly against the staple legs, move forwardly with respect to the staple.

2,343,922
TUBE COUPLING
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1943, Serial No. 479,362
4 Claims. (Cl. 285—86)



1. A coupling for tubes comprising threadably connected male and female elements, one of said elements having a bore in alignment with the tube bore and a counterbore for receiving and forming an abutment seat for the tube end and said one element also including a flared ferrule end contracting wall spaced from and extending away from said seat, said elements being shaped to provide a ferrule receiving chamber between them and surrounding the tube and defined at one end by an abutment shoulder formed on the other of said elements, a thin ferrule sleeve surrounding the tube within said chamber and including a sharp ended taper extended at its small end within the flared wall and merging at its large end in an inwardly directed bead-like shoulder which in turn merges into a cylindriform extension closely surrounding the tube, and a clamping ring surrounding the sleeve extension between the bead-like shoulder and the abutment shoulder and adapted when the elements are threaded together to be forced by the abutment shoulder against the bead-like shoulder and in turn force the ferrule longitudinally and cause the taper end to be contracted by the flared wall and bite into the tube and force it against said seat and also to deform the bead-like shoulder inwardly and cause the end extension to engage in vibration dampening contact with the tube.

2,343,923
CONVERTIBLE RECLINING CHAIR
Elihu T. Paul, Corbin, Ky., assignor of one-half to Frank Craft, Pikesville, Ky.
Application February 19, 1943, Serial No. 476,432
3 Claims. (Cl. 155—106)

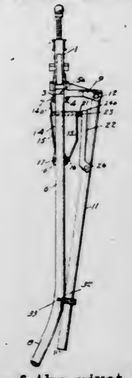


2. A convertible reclining chair comprising parallel side frame members connected in spaced members connected in spaced relation, a rear hanger bar pivotally connected to the rear upper portions of each frame member, a back rest pivotally connected to upper portions of the hanger bars, respective front hanger bars pivotally mounted adjacent the upper front portion of the frame members, the downward length of the front and rear hanger bars from their points of pivot being such as to stop closely adjacent the supporting surfaces of the side frame members, a side stringer member being pivotally connected between respective front and rear hanger bars, a foot rest connecting the side stringer members and located forwardly of the frame members, said foot rest being adapted to contact a supporting surface in normal position of the stringer members, a stop means on respective frame members in the path of rearward swinging movement of the front hanger bars, a seat member pivotally connected to the lower portion of the back rest member and to respective front hanger members below the pivotal mountings thereof and a stop member on the lower front portion of the seat for contacting engagement with respective side stringer members for limiting reclining position of the back rest and said seat.

2,343,924
FOLDING TRIPOD
Thorvald Petersen, Erie, Pa., assignor to Reed Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application November 13, 1940, Serial No. 365,475
2 Claims. (Cl. 248—169)

1. In a tripod having a head and legs pivoted thereto, the combination with said head and legs of a brace formed of articulated members, pivotally secured to the legs, locking the legs in open position when swung to open position and collapsing with the closing of the legs, the brace having

two members pivoted together and to the front legs of the tripod, the axes of the pivots being parallel, a third member of the brace being pivoted to the rear leg and pivotally connected to a



pivotal member of the pivot between the members connecting the front legs, the pivotal movement of the members relatively to each other having limiting stops permitting movement of the members slightly beyond center.

2,343,925

METALLIC FINISH ENAMEL

Ralph E. Pike, Yeadon, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 31, 1941, Serial No. 425,231

6 Claims. (Cl. 260—21)

1. A coating composition comprising a resin, metallic flake, and from 1 to 8% of 12-hydroxystearin.

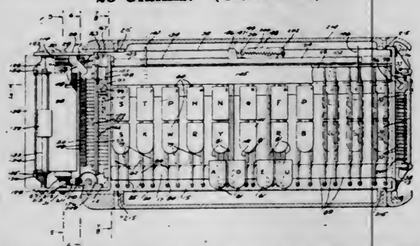
2,343,926

TYPEWRITING MACHINE

Robert Thomas Pollock, New York, N. Y., assignor to Joseph Lee Sweeney, New York, N. Y.

Application June 13, 1941, Serial No. 397,886

23 Claims. (Cl. 197—9)



22. In a typewriting machine, an elongated keyboard having depressible keys arranged in rows extending lengthwise of the keyboard, said machine being adapted to be positioned in front of the operator with the long way of the keyboard extending from side to side, a platen arranged at one end of the machine and positioned transversely of the rows of keys, a plurality of types cooperating said said platen and arranged at one side of said machine adjacent an end of the keyboard, said types being mounted for movement in vertical planes extending lengthwise of the keyboard, and means arranged substantially entirely directly beneath the keyboard and operatively connecting the types and keys for causing movement of said types in said planes.

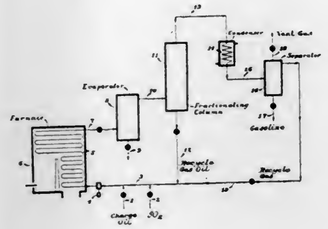
2,343,927

CONVERSION OF HYDROCARBON OILS

Oscar L. Roberts, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 11, 1940, Serial No. 323,274

7 Claims. (Cl. 196—52)



6. A process for the conversion of hydrocarbons of high boiling point into those of lower boiling point, which comprises heating said hydrocarbons to a temperature of from 850° F. to 1000° F., in the presence of an incombustible, solid adsorbent catalyst and from 0.3 per cent to 1.5 per cent by weight of sulfur dioxide, and separating from the resulting conversion products a hydrocarbon fraction of gasoline boiling range.

2,343,928

PRODUCTION OF COLORED FILM-FORMING MATERIALS

Robert Pierce Roberts, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 12, 1941, Serial No. 378,633. In Great Britain March 13, 1940

6 Claims. (Cl. 106—193)

4. Process for the production of a colored cellulose compound which is insoluble in water, soluble in a water miscible organic liquid, and selected from the group consisting of cellulose esters and ethers, which comprises mixing a solution of such cellulose compound in a water-miscible organic liquid with an aqueous suspension of a free leuco compound of a vat dye containing so much water-miscible solvent for the cellulose compound that no precipitation occurs during the mixing, and thereafter precipitating the cellulose compound from its solution.

2,343,929

METHOD OF TREATING HIDES AND SKINS

Oliver William Robertson, Brookline, Mass., assignor to Continental Machinery Co., Inc., New Bedford, Mass., a corporation of Massachusetts

No Drawing. Application July 16, 1942, Serial No. 451,213

21 Claims. (Cl. 8—94.21)

1. The described process of treating skins or hides of high-fat content consisting in first tanning the hides or skins of high-fat content by subjecting them to the action of an aqueous tanning solution containing a fatty alcohol sulfate as an emulsifier so as to tan the fibres and redistribute the resident natural fats and oils in protective relation to the fibres; then degreasing the wet tanned skins.

2,343,930

RESIN MOLDING

William Wallace Rowe, Cincinnati, Ohio, assignor to Cincinnati Industries, Inc., a corporation of Ohio

Application April 6, 1940, Serial No. 328,325

25 Claims. (Cl. 18—55)



18. A process of molding a laminated textured article which comprises assembling between pressing means, one at least of which has a textured surface, a laminated charge including a creped web characterized by minute folds and having the property of expanding by unfolding in substantially uniform association with a moldable plastic, said plastic being of such nature and in such quantity that, under heat and pressure, the said web and plastic as a whole has the property of plastic flow from regions of high pressure to regions of low pressure in a closed mold, said gathered web lying next the textured surface of said pressing means, and pressing said laminae in said pressing means to the extent of causing said gathered web and its associated plastic to conform to the textured surface thereof while maintaining substantially the same uniformity of association of said plastic and said gathered web, whereby to produce a textured article in which the textured configurations thereof are of reinforced, laminated character.

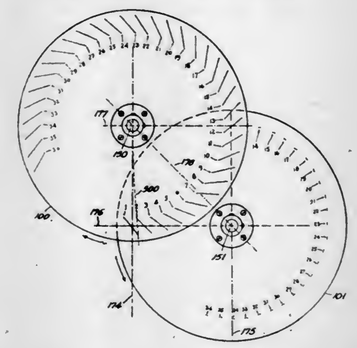
2,343,931

MECHANICAL SCANNING DEVICE FOR TELEVISION AND REMOTE CONTROL

Joseph William Rowell, Los Angeles, Calif., assignor of one-fourth to Edna Schley Leonardson and one-fourth to Daniel Leonardson, both of Los Angeles, Calif.

Application August 2, 1940, Serial No. 349,944

4 Claims. (Cl. 178—7.6)



1. In combination, first and second scanning discs in overlapped relationship, means for rotating said discs simultaneously in opposite directions, a plurality of spaced light transmitting line areas for both discs, said line areas adapted to progressively intersect during rotation of the discs, means for focusing a beam of light through said intersecting line areas and so related that the surface of a picture being scanned has light beams projected thereon in vertical and substantially parallel contiguous strip areas to progressively cover the entire surface of the picture.

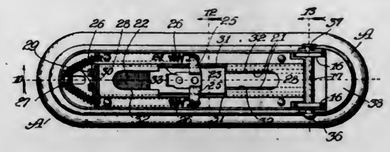
2,343,932

STAPLE MAGAZINE AND FEED MEANS FOR STAPLING MACHINES

Henry Ruskin, Chicago, Ill., assignor to Metal Specialties Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application January 15, 1940, Serial No. 313,966

5 Claims. (Cl. 1—3)



1. In stapler apparatus equipped with a base having an anvil thereon, a magazine supported above said base comprising a housing, track means carried by said housing for supporting a plurality of staples, an outer staple guide having a portion extending over said track to maintain said staples upon said track, said outer staple guide being centrally interrupted to provide an opening through which staples may be directly placed upon the track, and means for urging said staples in a forward direction.

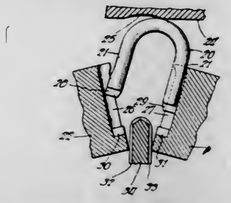
2,343,933

METHOD OF MAKING CONNECTORS

James Saul, Chicago, Ill., assignor to Reliable Electric Company, Chicago, Ill., a corporation of Illinois

Application February 8, 1941, Serial No. 378,010

3 Claims. (Cl. 10—27)



1. The method of making a headed bifurcated article from a U-shaped blank comprising forcing the legs of the blank toward each other, confining and squeezing the connecting portion of the blank as the legs are brought toward each other forcing the connecting portion to become shorter and thereby enlarging its cross section without stretching or materially deforming the leg portions other than the shaping thereof, and upsetting said connecting portion to form a head.

2,343,934

LIPSTICK HOLDER

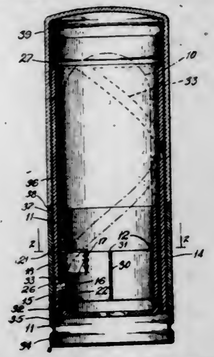
Samuel Segal, Brooklyn, N. Y.

Application September 27, 1940, Serial No. 358,702

7 Claims. (Cl. 206—56)

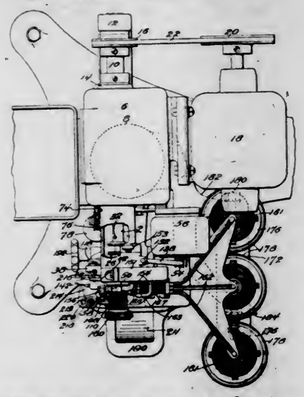
1. In combination, a resilient seat comprising an expandible and contractible substantially annular strip defining a pair of spaced terminal wings, a brace carried by one of said wings, a resilient tongue extending laterally of the other wing of said pair, a hollow member closely surrounding said strip for holding said strip under compression and including an opening, a projection extending from said strip and interlocking with said member, said tongue yieldingly extending into said opening, a shell rotatably sur-

rounding said member and including a slot for slidably receiving said projection and frictionally



engaging said tongue, and means for driving said projection to displace said seat relative to said shell.

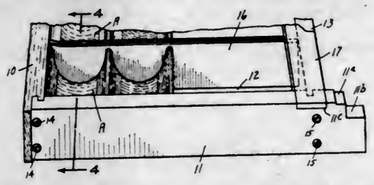
2,343,935
WINDING MACHINE
Paul W. Senfleben, Malden, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 11, 1940, Serial No. 339,903
34 Claims. (Cl. 242—21)



1. A bobbin winding machine having, in combination, a rotatable spindle for supporting a plurality of flanged bobbins, a thread controller acting between the flanges on one bobbin at a time, to cause the winding operation on each bobbin to be terminated and the winding operation on another bobbin to be started, and means acting before each bobbin is completely filled with thread to lift the thread controller clear of the flanges on that bobbin.

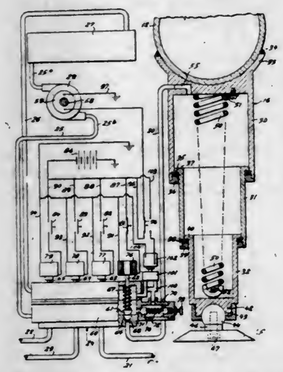
2,343,936
TILL DRAWER CONSTRUCTION
Joseph R. Showers, Sr., Shelbyville, Ind.
Application March 20, 1941, Serial No. 384,388
17 Claims. (Cl. 133—11)

1. A till drawer structure including two spaced side walls, a plurality of till compartments therebetween and formed of separate pieces of a material subject to swelling in the direction toward said walls, and till compartment side wall forming partition means between the pieces, and contacted thereby, the contacted portion of said partition means being compressible by the swell-



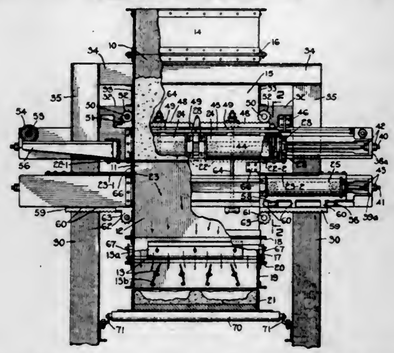
able material to prevent drawer side wall spreading and expansible to its former thickness when said swelling disappears.

2,343,937
HYDRAULIC BUILT-IN JACK
Clyde Harcourt Smith, Panama City, Panama
Application May 4, 1942, Serial No. 441,661
1 Claim. (Cl. 254—86)



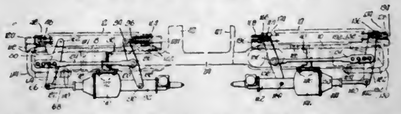
An hydraulic jack system for automotive vehicles comprising an hydraulic jack mounted on the vehicle adjacent each wheel, a reservoir containing a supply of fluid, a distributing chamber, a pump for delivering fluid under pressure from said reservoir to said distributing chamber, a power take-off shaft connected to the vehicle transmission for driving said pump, a magnetic clutch between said shaft and pump, a connection from said distributing chamber to each of said jacks, a solenoid operated valve for each connection operable within said distributing chamber, and remote control switch means for operating said clutch and for selectively operating said valves whereby to permit the delivery of said fluid either to all of said jacks, any selected group of said jacks or to any one selected jack, said distributing chamber including a pressure relief valve and a return connection to said reservoir whereby when a jack is completely extended the increased pressure in the fluid set up by the back pressure of the fluid in said jack will operate said relief valve to permit the flow of fluid back to said reservoir, means within said jacks for contracting the same, a solenoid operated return valve means in said return connection operable to permit a return of the fluid back to said reservoir when said jack is contracted to its inoperative position, a two-way pump clutch switch connected to said magnetic clutch and to said return valve solenoid, said switch in one closed position closing the circuit to said magnetic clutch and in its other closed position closing the circuit to said return valve solenoid and opening the circuit to said magnetic clutch.

2,343,938
MOLD FILLING APPARATUS
William E. S. Strong, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application January 29, 1940, Serial No. 316,220
2 Claims. (Cl. 25—1)



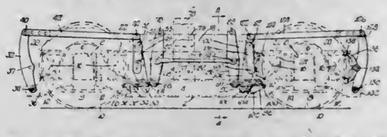
1. In combination, an enclosed substantially vertical chute having considerable height and an open bottom, retractable dump means disposed at the upper end of said chute, said dump means being formed of sections which meet at substantially the center of the horizontal cross-sectional area of said chute and are arranged to be retractable therefrom, thereby dumping substantially uniformly over the said cross-sectional area of the chute, a plurality of baffle plates pivotally mounted upon individual pivots, within said chute adjacent the lower end thereof for diverting certain portions of dumped material as said material falls through the chute, means for moving said plates about said pivots to vary the angularity of the plates relative to each other, means for locking said plates in the desired position, means for depositing a layer of material substantially uniformly over said retractable dump means, and means for simultaneously and rapidly retracting, and for simultaneously and rapidly returning, the said sections of said retractable dump means.

2,343,939
BRAKE ARRANGEMENT
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 23, 1941, Serial No. 394,743
37 Claims. (Cl. 188—56)



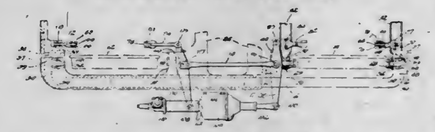
1. In a railway car truck, a side frame member having pedestal openings, supporting wheel and axle assemblies journaled therein, springs on said side member adjacent each of said openings, a superposed frame member supported on said springs with guide means abutting said side member adjacent each opening and limiting longitudinal movement between said frame members, power means supported on said side frame member adjacent each pedestal opening, and brake rigging for each wheel comprising hanger levers fulcrumed at their lower ends from said side frame member and supporting intermediate their ends brake heads and brake shoes arranged for braking engagement with opposite peripheries of the adjacent wheel, and transversely arranged live and dead cylinder levers connected intermediate their ends, connected at opposite ends of the adjacent power means and connected at their inner ends to the upper ends of said hanger levers, one of the connections between said power means and said cylinder levers being automatically adjustable.

2,343,940
BRAKE ARRANGEMENT
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 26, 1941, Serial No. 395,131
34 Claims. (Cl. 188—56)



1. In a brake arrangement, a wheel and axle assembly and brake means therefor comprising a live and a dead truck lever, means connecting the tops of said levers, and power means operatively associated with the live lever.

2,343,941
BRAKE ARRANGEMENT
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 26, 1941, Serial No. 424,432
32 Claims. (Cl. 188—56)

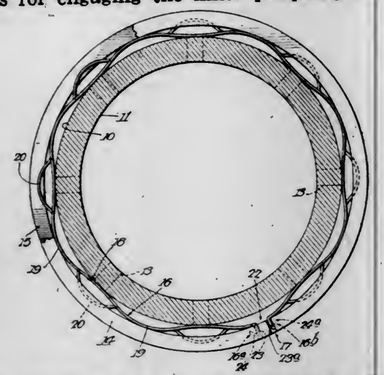


1. In a railway car truck, a frame member, spaced supporting wheel and axle assemblies, equalizers supported from said assemblies and affording a resilient support for said frame member, power means secured to said frame member, and brake rigging comprising brake beams outwardly of said assemblies and supported from a point above the axle level by said equalizers, brake beams intermediate the wheels and supported from a point below the axle level by said equalizers, interconnected live and dead truck levers at opposite sides of each assembly and connected to respective beams, and an operative connection between said power means and said live truck levers, said connection comprising live and dead cylinder levers connected at corresponding ends thereof to opposite ends of said power means, connected at opposite corresponding ends thereof to said live truck levers and connected intermediate the ends thereof to each other.

2,343,942
PISTON RING
Macy O. Tector, Newcastle, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application February 18, 1939, Serial No. 257,082
7 Claims. (Cl. 309—45)

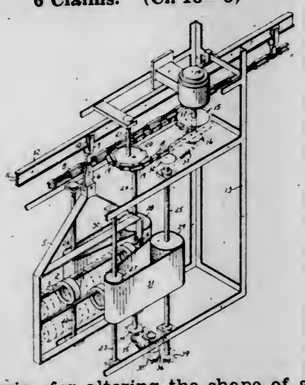
7. A multi-piece piston oil control ring comprising a coaxial assembly of a pair of substan-

tially flat relatively thin annular cylinder wall engaging ring members having spaced ends permitting radial expansion and contraction of the members, and an annular sinuous marcel expander member mounted interiorly of said ring members having inwardly extending undulated portions for engaging the bottom of the ring groove and outwardly extending undulated portions for engaging the inner periphery of said



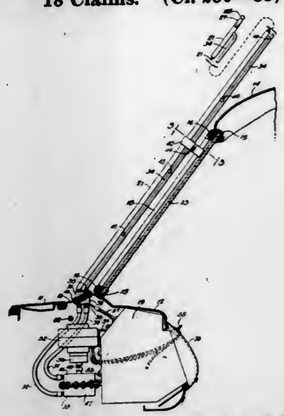
ring members and being formed with spacing elements projecting outwardly from said expander member at the inwardly extending undulated portions thereof, said outwardly projecting spacing elements engaging between said rings for holding the same in spaced apart substantially parallel relation, the forming of said outwardly projecting spacing elements leaving openings through said expander at said spacing elements for passage of oil.

2,343,943
CAKE FLEXING MACHINE
Donald C. Thompson, Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 5, 1942, Serial No. 429,617
6 Claims. (Cl. 18—8)



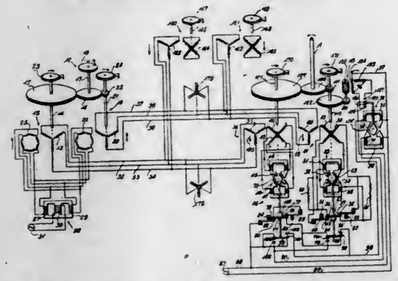
1. A device for altering the shape of annular, wound packages comprising two belts arranged with their opposed courses forming a channel therebetween converging from a span at least about as large as the diameter of the packages to a span substantially less than the package diameter, means for driving said belts in the direction of convergence, and means for introducing the packages into the larger end of the channel with their axes extending generally in the direction of convergence of said channel.

2,343,944
EXTENSIBLE ANTENNA
Otto E. Wagenknecht, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 17, 1941, Serial No. 383,674
18 Claims. (Cl. 250—33)



1. An extensible antenna comprising mutually telescoping antenna sections, and means for extending and retracting the antenna, comprising a piston on one of the sections, a hydraulic compressor having a shiftable divider, compressor actuating means, force multiplying means operatively connecting the actuating means to the divider, and conduit means communicating a hydraulic medium from one side of the divider to one side of the piston head and from the other side of the divider to the other side of the piston head, whereby shifting the divider in one direction will move a predetermined quantity of liquid from the compressor on one side of the divider and simultaneously will move a similar quantity of liquid into the compressor on the other side of the divider to extend the antenna under positive hydraulic pressure, and back-shifting the divider will retract the extensible section under positive hydraulic pressure.

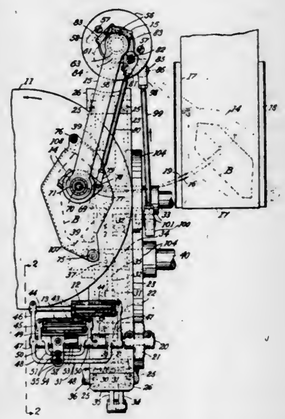
2,343,945
FOLLOW-UP SYSTEM
Leland Clay Weathers, Falls Church, Va., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 28, 1941, Serial No. 385,755
20 Claims. (Cl. 172—239)



1. In a follow-up system, a self-synchronous transmitter having relatively rotatable members with exciting windings on one member and phase-wound windings on the other member thereof, a receiver having relatively rotatable members,

phase-wound windings on one member of said receiver and connected to the phase-wound windings of said transmitter, a pair of windings on the other member of said receiver, one of said members of said receiver being mechanically connected to a controlled member, a prime mover for driving said controlled member, a differential device for controlling said prime mover, each of said pair of windings being connected to a winding on said device so that unbalanced voltages in said pair of windings operate said device to cause said prime mover to bring the rotor of said receiver to a position in which said voltages are balanced.

2,343,946
LEAF CUTTING MECHANISM
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application December 3, 1938, Serial No. 243,799. Divided and this application November 14, 1941, Serial No. 419,130
3 Claims. (Cl. 131—101)



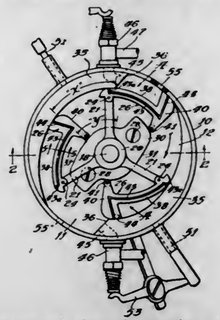
1. In a cigar machine, the combination with a movable support, of a frame yieldingly mounted on said support, a shaft having concentric ends locked in said frame, and having an intermediate relatively eccentric inclined portion and a cutting roll rotatably mounted on said intermediate portion in an inclined position, said shaft being rotatably adjustable in its frame relatively to said roll to vary the inclination of the latter.

2,343,947
WING NUT
Henry Auslander, Brooklyn, N. Y.
Application August 12, 1942, Serial No. 454,516
3 Claims. (Cl. 85—32)



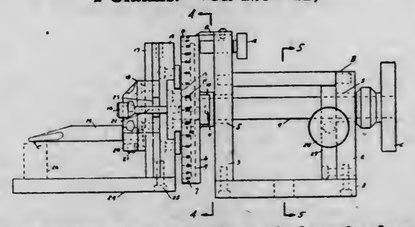
1. A wing nut, comprising a strip of sheet metal of substantially rectangular shape with substantially square bent portions thereof superimposed and having a pair of integral lugs along its sides bent and fashioned to simulate the wings of a wing nut, said lugs extending normally from opposite sides of one of said bent portions.

2,343,948
ROTARY MOTOR
Joseph A. Bellazini, Chicago, Ill.
Application October 10, 1942, Serial No. 461,508
7 Claims. (Cl. 123—17)



1. In a device of the character described, the combination of a casing including a closed main chamber, a plurality of curved circumferentially spaced apart wall portions spaced inwardly from the inner wall of the casing, each of said wall portions merging at one end into the inner wall of the casing and the other end terminating in an inclined surface extending to said inner wall of the casing, said curved wall portions together with portions of the inner wall of the casing constituting a continuous sealing wall, a centrally disposed rotatable shaft extending into the chamber of the casing, a cam fixedly secured in position in the chamber in central relationship to the axis of the shaft, said cam having a plurality of similar connected cam surfaces, a carrier fixedly secured on the shaft within said main chamber, and a plurality of circumferentially spaced apart impellers pivotally connected to said carrier, the portion of each impeller, opposite the pivot, having an inner end positioned in engagement with the periphery of the cam, and an outer end engaging said sealing wall, said curved wall portions and cam surfaces being of corresponding number and disposed in such correlation as to cause said outer ends of the impellers to maintain sealing engagement with said sealing wall, said impellers each being of elongated formation engaging top and bottom walls of the main chamber and having a portion adjacent its pivot formed to engage said sealing wall at certain angular positions of adjustment in the main chamber which together with the engagement of the opposite end of the impeller with the sealing wall forms a closed variable chamber.

2,343,949
RADIUS DRESSER FOR GRINDING WHEELS
Franklin S. Bellinger, Detroit, Mich.
Application February 18, 1941, Serial No. 379,472
4 Claims. (Cl. 125—11)



2. A dresser for fashioning grinder wheels comprising a rigid support frame including a base

plate adapted to be fixedly mounted on the table of a grinding machine in predetermined relation to the path of the grinder wheel, a rotary shaft mounted in said frame with its axis parallel to the plane of said base plate and table being also in the plane of rotation of said grinder wheel, a head secured to one end of said shaft, a pair of stop members relatively angularly adjustable upon said head about the axis of said shaft, a stop member on said frame cooperating with the aforesaid stop members to limit the rotary adjustment of said head and shaft, a second head adjustable on said first head in a plane perpendicular to the axis of said shaft and upon opposite sides of said axis, means for normally locking said second head in its central position, a third head transversely adjustable on said second head to various degrees of eccentricity and upon opposite sides of the axis, an arm projecting from said third head, and a trimming point mounted on said arm and located in the grinding plane of said grinder wheel whereby the dressing of the grinder wheel is performed in the same plane as the grinding operation.

2,343,950

STABILIZATION OF VINYL ESTERS

Allan Berne-Allen, Jr., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 18, 1942, Serial No. 431,451

6 Claims. (Cl. 260—488)

4. A vinyl ester stabilized with an anhydrous ammonium salt of an organic carboxylic acid.

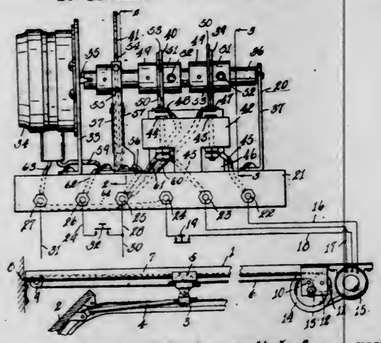
2,343,951

REVERSING DOOR CONTROL AND SWITCH THEREFOR

Herbert Cady Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.

Application February 27, 1942, Serial No. 432,652

19 Claims. (Cl. 172—239)



1. A reversing and timing switch for a reversing motor or the like, comprising sets of coacting relatively movable contacts adapted to be connected respectively to the reversing terminals of said motor to electrically energize the same when the contacts are closed, a cam device actuating each of said sets and controlling the opening and closing thereof, comprising a pair of coacting cam members positioned side by side having similar radially projecting lobes of substantial circumferential length at the outer periphery thereof adapted for rotative, circumferentially overlapping adjustment relative to one anothher, to vary the effective peripheral contact actuating cam surface of the coacting lobes, a rotatably mounted shaft on which said members are supported for rotation, one of said members being fixedly secured to said shaft and the other thereof provided with adjustable shaft securing means for adjusting its angular position on the shaft, a motor drivingly connected to said shaft to rotate the same, said cam devices alternately making and breaking circuits at said sets of contacts in predetermined timed relation, the period of duration of the circuit depending on the adjustment of said coacting arms and length of cam surface presented thereby, and an energizing circuit for said last named motor including a push button switch instantaneously actuable to energize said motor, and a holding device in said last named circuit and controlled by the rotation of said shaft for maintaining the energization of said motor following release of said push button switch and for a predetermined period following interruption of the circuit controlled by a cam device, said holding device including a rotatable conducting member fixed to said shaft having non-conducting areas of substantial size therein dividing the same into successive conducting segments of uniform size, a contact in continuous electrical engagement with said member, and a further contact electrically engaging and completing a circuit through said member for predetermined intervals, said last named contact successively having electrical engagement with a conducting member segment for a period corresponding to one of said last named intervals, and coming into register with a non-conducting area to interrupt said last named circuit, said member being positioned angularly on said shaft relative to said cam devices in such manner that said last named contact reaches a non-conducting area after said cam devices have opened one of said first named sets of contacts and electrically engages a segment immediately following energization of said last named motor by actuation of said push button switch.

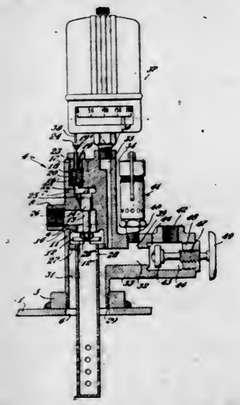
2,343,952

CONTROL UNIT FOR COMPRESSOR SYSTEMS

Fred Brandstrom, Westport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application February 26, 1943, Serial No. 477,252

12 Claims. (Cl. 230—17)



1. A control unit of the class described comprising a unitary casing having means for attaching it to the wall of a tank, the casing having an inlet and a delivery chamber and an annular check valve seat defining an orifice in the wall of the inlet chamber, the casing having provision for admitting compressed air to the inlet chamber and having an unloading valve chamber which at times communicates with the inlet chamber, an unloading valve within the unloading chamber, said unloading valve having an actuating stem, the casing having a duct leading from the delivery chamber and terminating in a socket, and a pressure-actuated switch having a stem portion seated in said socket, the switch comprising an actuating element operatively related to the stem of the unloading valve thereby to unseat the unloading valve in response to the operation of the switch mechanism.

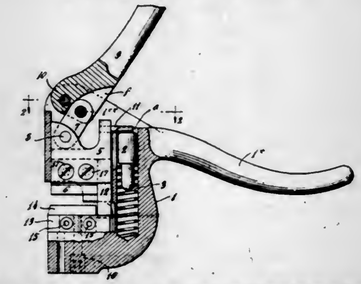
2,343,953

HAND COMPRESSION TOOL FOR DIES AND CUTTERS

Morris Canter, New York, N. Y.

Application July 28, 1943, Serial No. 496,455

2 Claims. (Cl. 30—184)



1. A hand compression tool for dies and cutters comprising a casing and a handle carried thereby, the casing being formed with an internal supporting face and contiguous opposed guiding walls extending angularly of said face and providing between them an open-ended die-receiving passageway, a die-holder on said supporting face, a movable die holder in said passageway and engaged by its walls, a lever pivoted on the casing, means affording operative connection between the lever and the movable die-holder, a guide bar depending from the movable die holder and means carried by the casing and affording receiving guide faces for said guide bar.

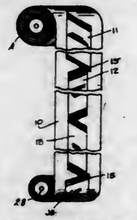
2,343,954

FEEDING MECHANISM FOR TIRE BUILDING

James C. Carlin, Norristown, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York

Application November 19, 1940, Serial No. 366,215

9 Claims. (Cl. 154—10)



1. In combination, a tire building drum, means for rotatably supporting a main roll of tire fabric strips and carrier fabric therefor, a take-up roll adapted to receive said carrier fabric and simultaneously divest said tire fabric strips from said carrier fabric, means for rotatably supporting said take-up roll for said carrier fabric, a friction roll in engagement with the face of said take-up roll, rotary power means independent of and driven in unison with said drum applied to said friction roll whereby to effect rotation of said take-up roll, and means for swinging said rotary power means into and out of operative engagement with said friction roll.

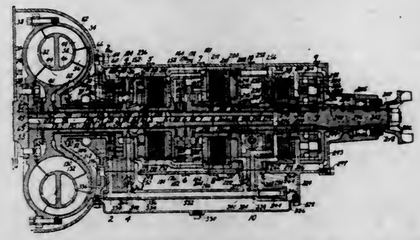
2,343,955

ELECTRICALLY CONTROLLED AUTOMOTIVE TRANSMISSION

Frederick W. Cotterman, Dayton, Ohio

Application January 6, 1941, Serial No. 373,264

25 Claims. (Cl. 74—189.5)



1. The combination with an engine, of transmission mechanism comprising, an impeller having unitary rotation with said engine, a rotor, a first driving gear, a first sun gear, a first planet pinion in mesh with both said first gears, a second driving gear, a second sun gear, a second planet pinion in mesh with both said second gears, a single carrier for both pinions, means permanently connecting the first driving gear to the rotor, means permanently connecting the second sun gear to the impeller, means for controlling rotation of the first sun gear, and means for connecting or disconnecting the second driving gear to or from the rotor.

2,343,956

DEEP HARDENING SILICON TITANIUM STEEL

Walter Crafts, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application June 30, 1942, Serial No. 449,163

4 Claims. (Cl. 75—123)

1. A hardenable steel which is hardenable to at least 50 Rockwell C throughout a one inch diameter circular section, comprising substantially more than 0.5% up to 2% silicon; between 0.2% and 1% carbon; manganese in a percentage up to about 2%; titanium between 0.05% and 0.15%; remainder substantially all iron.

2,343,957

PERIPHERAL DIAMOND ABRASIVE WHEEL AND METHOD OF MAKING SAME

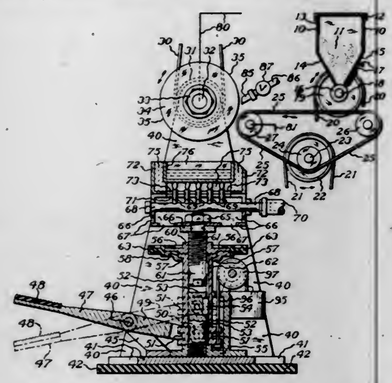
George Crompton, Jr., Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 2, 1942, Serial No. 437,374

5 Claims. (Cl. 51—309)

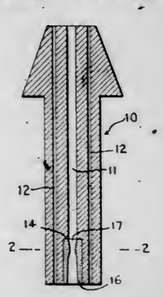
1. Method of making a grinding wheel comprising rotating a metal blank in a bath of molten metal while moving a supply of abrasive ma-

terial in a continuous stream towards a surface of said metal blank which has a liquid film of



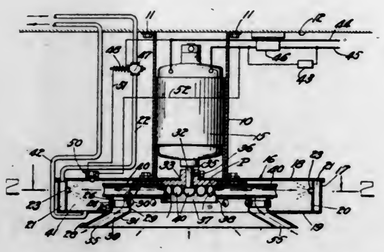
metal from the metal bath, and transferring the abrasive from the stream to the metal blank by electrostatic attraction.

2,343,958
CUTTING TIP WITH DIVERGING OUTLET
John J. Crowe, Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1940, Serial No. 369,018
2 Claims. (Cl. 158—27.4)



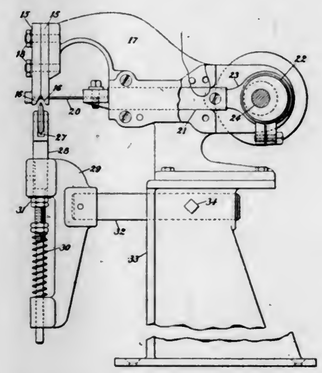
2. A composite cutting tip comprising a body portion having a longitudinally-extending cylindrical passage through which cutting-oxygen may pass, a recess in the discharge end of the body portion extending coaxially with the cutting-oxygen passage, said recess terminating at a shoulder where the recess meets the cutting-oxygen passage, an insert secured within said recess and against said shoulder, said insert having a passage extending coaxially with the cutting-oxygen passage and forming a continuation thereof, the passage in the insert varying in cross-section with a fair curve and being restricted intermediate its ends to form a throat, the walls of the passage of the insert inwardly of the throat diverging and having their ends aligning substantially with the walls of the cutting-oxygen passage, and the walls of the passage of the insert outwardly of the throat diverging continuously to the outer end of the insert, the walls of the passage of the insert being inwardly convex at the throat and inwardly concave adjacent the throat at opposite sides thereof, whereby cutting-oxygen discharged from the end of the insert will not expand laterally substantially.

2,343,959
AIR CONDITIONING UNIT
William Warren Cummings, Jr., Cambridge, Mass.
Application June 15, 1942, Serial No. 447,117
5 Claims. (Cl. 261—30)



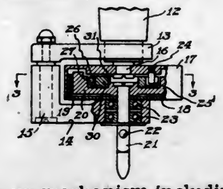
1. An air conditioning apparatus comprising a chamber, means for conducting air and a relatively cool liquid in separate paths so as to meet while travelling at high velocity in opposite directions in said chamber thereby momentarily compressing the air and simultaneously removing heat therefrom, separate outlets for said air and liquid after impact to flow from said chamber, and means responsive to the temperature and relative humidity of the air outside the apparatus for controlling the flow of air and liquid into said chamber.

2,343,960
TRIMMING MACHINE
Leonard S. Curtin, Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 10, 1942, Serial No. 465,127
10 Claims. (Cl. 12—1)



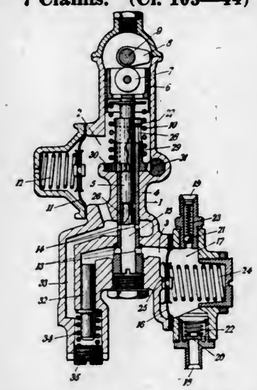
1. A trimming machine comprising work-guiding means having oppositely inclined guiding surfaces forming a trough and arranged to engage respectively two margins of sheet material forming a seam of V-section, a supplemental work-guiding member having a ridge located between said guiding surfaces to project into the crease of the seam and maintain the latter against said surfaces, and power-operated cutting means arranged to sever surplus material from the edge of the seam between the guiding surfaces.

2,343,961
FILM TAKE-UP
Guillermo Adalberto del Valle, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1941, Serial No. 417,388
2 Claims. (Cl. 242—55)



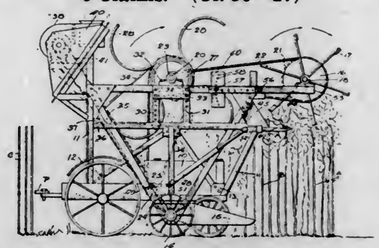
1. Film take-up mechanism including a driving member, a round casing carried by said driving member, annular friction coupling means within said casing, a circular driven member within said annular means and coupled thereby to said casing, film reel carrying means driven by said driven means, and an overrunning clutch additionally coupling said casing and said circular driven member.

2,343,962
MEASURING PUMP
Edward Dodson, Somerset, England
Application January 17, 1942, Serial No. 427,125
In Great Britain February 25, 1941
7 Claims. (Cl. 103—44)



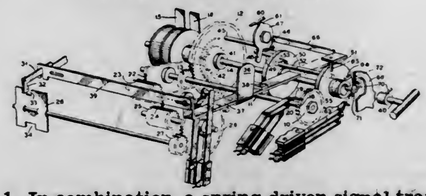
1. A pump, comprising a casing containing three chambers, namely a sealed chamber to contain a viscous liquid, said sealed chamber having an elastic wall for exerting inwardly directed pressure on the contained liquid, an intermediate sealed chamber, and a pump chamber to contain the liquid to be pumped, a flow passage for enabling flow of said viscous liquid between said sealed chambers, a plunger mounted to reciprocate in the casing and disposed in position to receive said viscous liquid whereby said plunger is lubricated by said viscous liquid, operating gear for reciprocating the plunger to deliver at each stroke a quantity of the viscous liquid from the sealed chamber to the intermediate chamber, valves controlling the inlet and outlet of the pump chamber, an elastic pumping member constituting a wall common to the intermediate chamber and the pump chamber, and operating under the control of the liquid pressure in the intermediate chamber, and means for predetermining the extent of pumping movement of said elastic pumping member to deliver accurately measured quantities of liquid from the pump chamber.

2,343,963
STALK TOPPING AND DELEAFING MACHINE
Erwin Benham Elliott, Miami, Fla., assignor, by mesne assignments, to Reconstruction Finance Corporation, Jacksonville, Fla., a corporation of the United States
Application September 12, 1940, Serial No. 356,551
6 Claims. (Cl. 56—17)



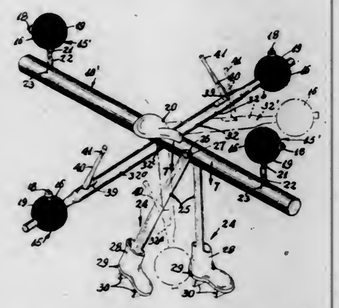
1. A machine for acting on and removing the tops and upper leaves of ramie stalks and the like comprising, in combination, a tractor, a laterally extending horizontal shaft protruding to one side of the upper part of the tractor and near the normal level of the tops of the stalks, a drum mounted upon said shaft having radially extending beater arms adapted to move downwardly and rearwardly with respect to the forward travel of the tractor whereby as said drum passes over the tops of the stalks they are bent downwardly and rearwardly, and means driven by the tractor for rotating the drum whereby said beater arms comb and whip the tops and upper leaves of the stalks to remove the foliage therefrom without injury to the body of the stalks.

2,343,964
WINDING MECHANISM
Francis C. Evans, Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Original application December 16, 1941, Serial No. 423,130. Divided and this application August 4, 1942, Serial No. 453,509
8 Claims. (Cl. 185—43)



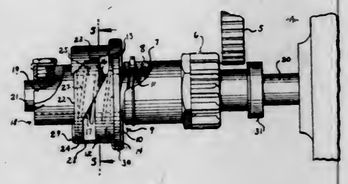
1. In combination, a spring driven signal transmitting device comprising a winding mechanism and a key, said key including a member projecting therefrom for engaging said winding mechanism, a shielding device associated with said winding mechanism and provided with an opening for admitting said projecting member on said key, said shielding device comprising a key-trapping portion behind which said projecting member of the key must be turned during the winding operation to entrap the key when the winding operation is started, a key retaining member pivoted on said shielding device and engaging said projecting member of the key in that portion of the rotational angle of said key for continuing the entrapment of the key until a predetermined degree of rotation is accomplished and a spring biasing said pivoted member to force it into a releasing position after said predetermined degree of rotation of the key is effected to permit said key to be extracted from the device.

2,343,965
LIFESAVING AND SPORTING FLOAT DEVICE
Chaim S. Fisch, New York, N. Y.
Application July 11, 1942, Serial No. 450,508
3 Claims. (Cl. 9—21)



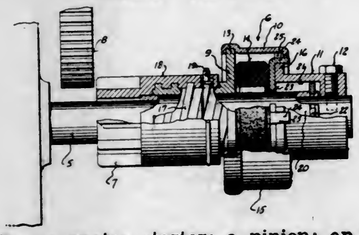
1. A life saving and sporting float, comprising a central float, a rider's saddle mounted on said float, end floats fore and aft of said central float, and means connecting said end floats with the ends of said central float and stirrups pivotally mounted upon the sides of said float to the front of said saddle.

2,343,966
ENGINE STARTER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 10, 1942, Serial No. 438,462
9 Claims. (Cl. 74—7)



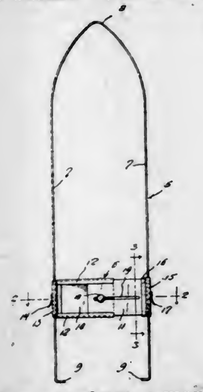
1. In an engine starter of the type wherein a pinion is automatically propelled forwardly into mesh with an engine ring gear by rotation of an actuator from a power shaft, and wherein interference with forward propulsion of the pinion and picking up the load of the engine by the starter imparts rearward end thrust on the actuator: a driving connection between the actuator and the power shaft comprising opposed abutments on the actuator and the power shaft, said abutments being relatively movable rotarily and axially with respect to each other; yieldable means interposed between said abutments to yieldingly resist motion of the same toward each other under the influence of rearward end thrust on the actuator; and a torque transmitting connection between said abutments comprising a cam connection operable to simultaneously transmit torque and yieldingly frictionally resists relative endwise movement of said abutments toward each other brought about by rearward end thrust on the actuator to thereby aid the yieldable means in resisting such rearward end thrust.

2,343,967
ENGINE STARTER
John W. Fitz Gerald, deceased, late of Milwaukee, Wis., by Mary C. Fitz Gerald, executrix, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 19, 1943, Serial No. 491,510
5 Claims. (Cl. 74—7)



1. In an engine starter: a pinion; an internally threaded hub on the pinion; a tube fixed to the pinion and projecting through and beyond the internally threaded hub, said tube being adapted to be mounted on a starter motor shaft: an actuator loose on the tube and having threaded engagement with the internally threaded hub of the pinion so that relative rotation between said parts propels the pinion and the tube longitudinally with respect to the actuator; a drive head securable to the starter motor shaft; a resilient driving connection between the drive head and the actuator including a part in juxtaposition to the tube; and a stop on the tube adapted to collide with said part to limit axial movement of the pinion in one direction.

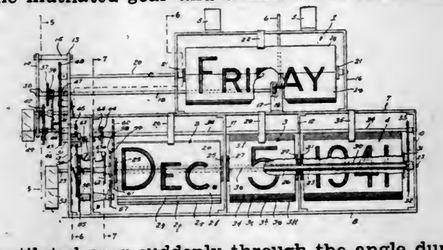
2,343,968
PELT OR CASE FORM
John J. Fitzgerald, Cheyenne, Wyo.
Application November 25, 1942, Serial No. 466,902
3 Claims. (Cl. 45—24)



1. In a pelt or case form, a manually bendable elongated frame including spaced members and a substantially V-shaped connecting portion integral therewith, plates slidably engaged with each other and having ends rolled to form barrels slidably receiving said members with frictional fit, and means for adjustably connecting said plates.

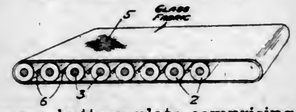
2,343,969
PERPETUAL CALENDAR
Arthur L. Forbes, St. Albans, N. Y.
Application February 7, 1942, Serial No. 429,869
14 Claims. (Cl. 40—111)

1. A perpetual calendar comprising a rotative device adapted progressively to display calendar insignia, an intermittent gear connected to actuate the rotative device, a multilated gear, a driven pinion meshing with and driving the mutilated gear, an energy storing device operated by the mutilated gear and connected to rotate the



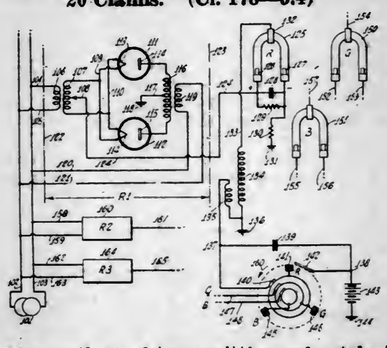
mutilated gear suddenly through the angle during which the driven pinion opposes the smooth portion of the periphery, and means operatively connecting the mutilated gear to the intermittent gear to actuate the same during the said sudden movement.

2,343,970
PLATE FOR STORAGE BATTERIES AND METHOD FOR PRODUCING THE SAME
Charles D. Galloway, Wyndmoor, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application October 25, 1941, Serial No. 416,506
9 Claims. (Cl. 136—55)



1. A storage battery plate comprising, top and bottom bars, a group of separate pencils of active material having spines connected with said bars and arranged in a row, a sleeve of knitted acid-resisting fabric surrounding said row of pencils and conforming to the contour of the individual pencils, and a strip of thermoplastic cement between said individual pencils and the confronting faces of said fabric for securing said confronting faces to form tube-like sheaths enclosing the individual pencils of said group.

2,343,971
TELEVISION STUDIO LIGHTING
Alfred N. Goldsmith, New York, N. Y.
Application March 5, 1942, Serial No. 433,461
20 Claims. (Cl. 178—5.4)



1. The method of transmitting color television pictures which includes the steps of illuminating the scene to be transmitted sequentially with a series of primary component color lights, producing an electric charge image of the scene by each illumination, limiting the illumination duration to a period relatively short compared to a scanning cycle, and scanning the charge image between the illuminations of the scene.

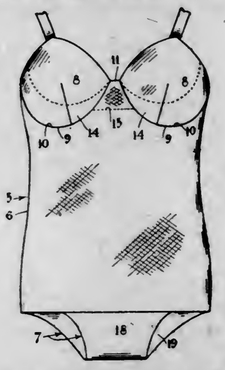
2,343,972
NOVEL FURFURYL ALCOHOL-FORMALDEHYDE ACID CONDENSATION RESINOUS PRODUCT AND METHOD FOR PREPARING THE SAME
Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application February 24, 1943, Serial No. 476,968
22 Claims. (Cl. 260—67)

1. The method for producing a fusible resin comprising heating until said resin is produced a mixture whose pH is between about 1.5 and about 3.5 and comprising furfuryl alcohol, formaldehyde and an acidic agent in such amount as to provide said pH.

2,343,973
ACID CONDENSATION PRODUCT OF FORMALDEHYDE AND ACID CONDENSATION POLYMERIZATION PRODUCT OF FURFURYL ALCOHOL AND METHOD FOR PREPARING THE SAME
Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application February 24, 1943, Serial No. 476,969
18 Claims. (Cl. 260—67)

1. A resin obtained by reacting under acid conditions wherein the pH value is not less than that obtained in a solution of two cc. of concentrated hydrochloric acid in sixty cc. of distilled water, formaldehyde and a fusible acid condensation-polymerization product of furfuryl alcohol.

2,343,974
SWIMMING SUIT
Josephine Hayward, Montreal, Quebec, Canada
Application December 31, 1941, Serial No. 425,191
In Canada December 9, 1941
1 Claim. (Cl. 2—67)



A bathing suit comprising a body section and breast pocket sections each made of stretchable material, each breast pocket section having a convexly curved edge portion joined to a coex-

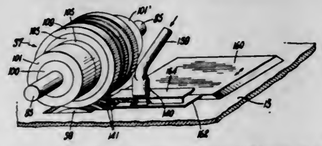
tensive concavely curved edge portion of the body section, an arcuate reinforcing strip of non-stretchable material located immediately above and secured along the convexly curved edge of each breast pocket section, and a body reinforcing section of non-stretchable material located over a portion of the body section lying between the breast sections and having its side edges secured to the convexly curved edges of said pocket sections.

2,343,975

PROCESS AND APPARATUS FOR UNITING SHEETS OF THERMOPLASTIC MATERIALS

Lee Conrad Hosfield, Parma, Ohio, assignor to National Carbon Company, Inc., a corporation of New York

Application June 20, 1941, Serial No. 398,954
19 Claims. (Cl. 154—42)



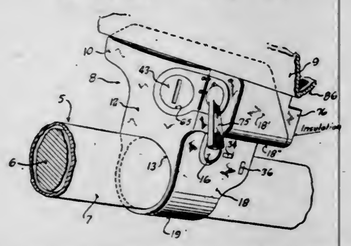
11. Apparatus for uniting thin films and sheets of thermoplastic material, which comprises means for feeding films of such material past a heat-sealing station; means adjacent said station for superposing a margin of one of said films upon a margin of another film to be united therewith, means at said station for supplying a volatile organic solvent at a selected rate between successive portions of the moving surfaces to be heat-sealed; means at said station for applying a low pressure to the overlapping margins of the films; means for supplying heat to the exposed surfaces of the overlapping margins of the respective films; and automatic means operatively associated with said film-feeding means for releasing said pressure applying means, and actuated when said film-feeding means is rendered inoperative.

2,343,976

COMBINED STEERING POST AND IGNITION LOCK

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application December 19, 1941, Serial No. 423,573
21 Claims. (Cl. 70—252)



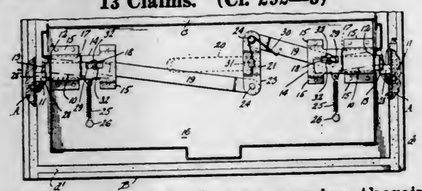
1. A steering column lock of the character described comprising: a housing fabricated entirely of stampings with the component parts thereof welded together, said housing having an opening to fit the steering column; an internal reinforcing wall in the housing connected between opposite outer walls of the housing and cooperating with the walls of the housing to form a closed bolt compartment; and a bolt pivotally mounted on said internal wall for movement to and from an operative position at which a part on the bolt projects through a hole in the reinforcing wall for engagement with the rotatable shaft of the steering column.

2,343,977

LATCHING MECHANISM FOR DRAWERS AND THE LIKE

James R. Jones, Lakewood, and Levi M. Hultberg and Victor A. Gronberg, Jamestown, N. Y., assignors to Art Metal Construction Company, Jamestown, N. Y.

Application March 17, 1941, Serial No. 383,726
13 Claims. (Cl. 292—5)



1. In a cabinet having an opening thereinto, and a closure member movable to open and close said opening, latch mechanism for said closure member comprising a catch and a cooperating keeper, one on the closure member and the other on the cabinet, said catch being movable in one direction into engagement with said keeper for holding the closure member and also movable in opposite directions at an angle to said first mentioned direction, the movement of said catch in one of said opposite directions disengaging the same from said said keeper to release the closure member, and the movement of said catch in the other of said opposite directions acting by camming engagement of the catch with said keeper to press said closure member against a part of the cabinet to tightly close said opening, and actuating means which are movably supported and operatively connected with said catch and by movement thereof effect said movements of the catch.

2,343,978

MANUFACTURE OF NONPOROUS METAL ARTICLES

William David Jones, London, England

No Drawing. Application July 1, 1940, Serial No. 343,493. In Great Britain July 7, 1939
7 Claims. (Cl. 75—22)

1. A process for the manufacture of non-porous metal articles of high tensile strength and elongation comprising cold pressing a pulverulent mass containing a predominant proportion of copper and at least one metal selected from the group consisting of tin and zinc at a pressure of more than five tons per square inch to form a compact, and again pressing the compact at a pressure less than that employed in the cold pressing step while at a temperature of between about 600 and 750° C. to convert the compact into a non-porous body of high tensile strength and having an elongation of 17 to 75%.

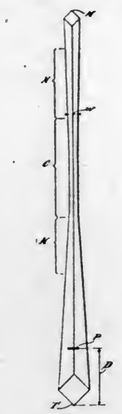
2,343,979

FOUR-IN-HAND NECKTIE

Jacob J. Kaplan, Boston, Mass.

Application October 27, 1942, Serial No. 463,454
1 Claim. (Cl. 2—146)

A necktie having a wide end and a narrow end, and a neckband connecting the two, and an index element on the rear ply of the wide end located at a distance from the free end thereof



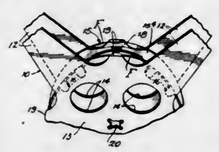
substantially equal to the aggregate length of the material used in forming the four-in-hand knot.

2,343,980

FILM REEL

George W. Keene, Maywood, Ill.

Application September 11, 1942, Serial No. 457,932
5 Claims. (Cl. 242—74)



5. A reel for a film strip consisting of spaced side members and an interposed hub portion, the hub portion being provided in a portion of its circumference with a centrally disposed narrow bridge spaced from each of the side members and positioned to contact the center of the under face of a film while allowing each edge thereof to project laterally from the bridge, and opposed rigid lips extending inwardly from the side members at an abrupt angle thereto and presenting their tip edges inwardly in spaced relation to the respective sides of the bridge with the under sides of the lips inwardly offset relatively to the outer face of the bridge and spaced therefrom sufficiently to permit a film when contacted centrally by the bridge to have its margins flexed inwardly under the lips and engaged thereby to maintain the film under stress due to its flexation.

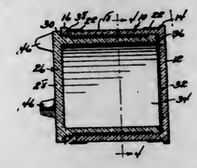
2,343,981

SAFETY RAZOR BLADE SHARPENER

Benton S. King, Brookhaven, Miss.

Application February 3, 1943, Serial No. 474,565
2 Claims. (Cl. 51—161)

1. A razor blade sharpener comprising a first glass cup having an inner sharpening face, a second glass cup rotatably guided inside said first cup, projection means on said second cup for keying razor blades thereto and rotate the latter relatively to the first cup through rotation of the second cup, said second cup being of smaller diameter than said first cup to provide a space between the two cups but of such size as to bend the blades and hold their cutting edges in pressure engagement with said sharpening face, said second cup being provided with a flange and a shoulder guidingly engaging the



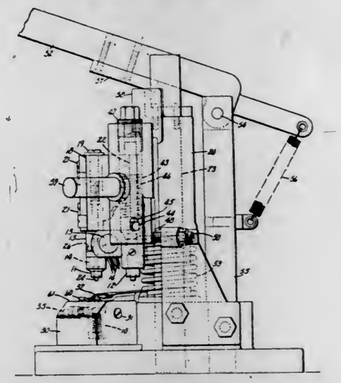
inner face of said first cup, said flange being provided with openings for the passage of a liquid, and a knob means on said second cup to rotate the latter relatively to said first cup.

2,343,982

APPARATUS FOR SETTING PLASTIC EYELETS

Cutler D. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 8, 1941, Serial No. 422,136
5 Claims. (Cl. 218—14)



1. A machine for setting thermoplastic eyelets comprising a non-heated eyelet-supporting tool provided with a seat for engaging the flanged end of an eyelet, a heated tool formed and arranged to move into and out of telescopic relation with the entering end of an eyelet seated on said supporting tool, an upsetting tool thermally insulated from said heated tool, means by which said heated tool and said upsetting tool may be shifted alternately to and from alinement with said supporting tool, and means for operating said heated tool and said upsetting tool each in its alined relation with said supporting tool.

2,343,983

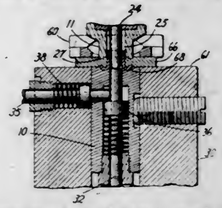
METHOD OF OPERATING ON THERMOPLASTIC EYELETS

Cutler D. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application December 8, 1941, Serial No. 422,136. Divided and this application April 29, 1943, Serial No. 484,995
7 Claims. (Cl. 218—29)

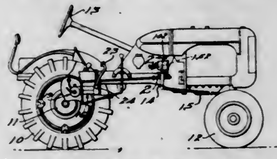
1. The method of setting a thermoplastic eyelet which consists in thrusting the barrel thereof through and beyond a hole in a work-piece while the eyelet is unheated, softening the projecting

entering end of the barrel with heat without softening the opposite end thereof, separating the



eyelet and the source of heat, and thereafter upsetting the softened end against the work-piece and simultaneously cooling it.

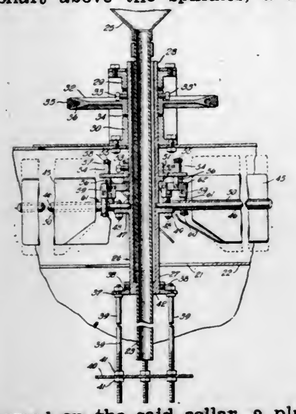
2,343,984
BRAKE CONTROL SYSTEM
Homer T. Lambert, St. Joseph, Mich., assignor to The Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application October 31, 1941, Serial No. 417,308
6 Claims. (Cl. 180—18)



1. In a tractor having a pair of rearwardly positioned driving wheels, one on each side thereof, a front dirigible wheel, means for turning said dirigible wheel at an angle to the driving wheels to steer the tractor, an hydraulically actuated brake on each of said driving wheels, a brake master cylinder, a separate fluid connection between said master cylinder and each brake, and magnetic valve means interposed in the connection between said master cylinder and each said brake, said valve means including an inlet associated with said master cylinder, an outlet conduit associated with each of said separate fluid connections, means for magnetizing each of said outlet conduits, said valve means including an element responsive to the magnetizing of either of said outlet conduits to block the flow of fluid therethrough, and electric means operatively connecting said valve means with said turning means so that said magnetic valve means is energized when said dirigible wheel is turned beyond a predetermined angle.

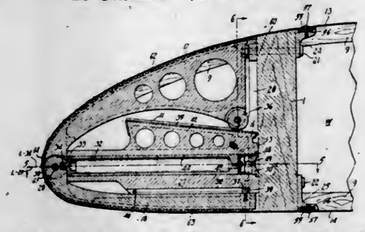
2,343,985
AIR SEPARATOR
Joseph M. Lamoureux, Mabton, Wash., assignor to Yakima Chief Ranches, Inc., a corporation of Washington
Application July 7, 1941, Serial No. 401,385
2 Claims. (Cl. 209—154)

1. In combination with an air separator casing, a vertical hollow shaft, a drive member fixed to the shaft, a bearing for rotatably supporting the said shaft and drive member, a feed tube extending through the shaft and spaced therefrom, the lower end of the shaft having an internal shoulder portion bearing against the feed tube, a plurality of spindles fixed to and extending radially from the shaft at circumferentially spaced intervals, a sleeve mounted to turn on each spindle, a fan blade fixed to the sleeve, a tubular bearing element fixed to one side of each sleeve and disposed vertically at its inner end, a stem pivotally mounted in the tubular bearing, a U-shaped element formed on the said stem and projecting above the tubular bearing, a link bar having its ends pivotally connected with the U-shaped elements of a pair of adjacent blade sleeves, an angularly adjustable collar mounted on the shaft above the spindles, a horizontal



flange formed on the said collar, a plurality of circumferentially spaced vertical bosses formed on the collar flange in registration with openings therein, a stem mounted to turn in each boss, and an inverted U-shaped element depending from each last mentioned stem pivotally connected to the medial portion of each link bar whereby angular adjustment of the collar will effect simultaneous adjustment of the fan blade.

2,343,986
AIRFOIL CONTROL
Clifford J. Leutholt, Taylor, Pa., assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application May 24, 1943, Serial No. 488,237
16 Claims. (Cl. 244—44)

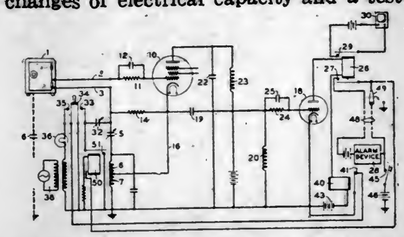


1. In an airfoil, a leading edge section having upper and lower parts, means positively pivotally connecting the parts directly adjacent a nose portion of the section, means to project the first mentioned means to change the chord of the airfoil, and means operated as a consequence of such projection and upon one of said parts to change the effective depth or thickness of a forward portion of the airfoil.

2,343,987
ALARM SYSTEM
Maxwell H. A. Lindsay, Summit, N. J., and Konstantin Woloschak, New York, N. Y., assignors to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application April 19, 1940, Serial No. 330,464
10 Claims. (Cl. 177—314)

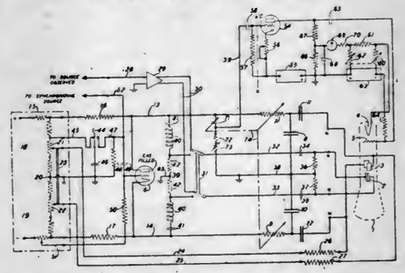
10. In a signaling system, a signaling circuit

for protecting an object, a circuit which responds to changes of electrical capacity and a test cir-



cuit comprising elements for creating an alarm condition and an indication of excessive sensitivity.

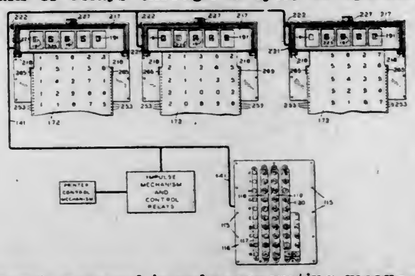
2,343,988
CATHODE RAY INTENSITY CONTROL CIRCUIT
John J. Mahoney, Jr., Lynbrook, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 24, 1943, Serial No. 476,945
12 Claims. (Cl. 315—30)



1. In an oscilloscope circuit of the type employing a cathode and a beam intensity modulating grid, a beam intensity control and metering circuit therefor comprising an adjustable source of grid bias voltage connected to the cathode and to the modulating grid, a second voltage source, a vacuum tube repeater having a space current path, two resistors connected in series and in series with the second voltage source and the space current path, a capacitor shunting one of said two resistors, space current control means for the repeater, an input circuit for the repeater capable of blocking the space current upon receiving a voltage pulse of predetermined magnitude, a meter, a circuit connecting the meter with said bias adjusting means and said shunted resistor to cause the meter to indicate their difference voltage, and a circuit coupling the unshunted one of said two resistors to the modulating grid whereby upon suddenly blocking the space current said modulating grid will be brought to a less negative voltage of magnitude predetermined by the meter reading.

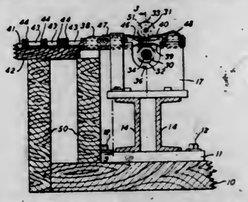
2,343,989
REGISTERING SYSTEM
Harold F. May, Valley Stream, George L. Bush, Flushing, and Ernest Frischknecht, Jackson Heights, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application May 31, 1940, Serial No. 338,070
5 Claims. (Cl. 235—92)

1. In a system of the character disclosed, means for generating and transmitting signals including selection signals, numerical signals and a start signal, receiving means comprising a plurality of electro-responsive indicators, means controlled by said selection signals for selecting one of said indicators for operation, a counting chain of relays, a first impulse generating means, means including a start relay controlled by said start signal for rendering said first impulse generating means effective to actuate the counting chain of relays through a cycle of operations



thereof, a second impulse generating means operating in timed relation with said first impulse generating means for generating indicator operating impulses, and means controlled jointly by said counting chain of relays and said second impulse generating means for causing the selected indicator to post the arithmetical sum of the number previously posted by the device and the number represented by the numerical signals received by said receiving means.

2,343,990
SLOTTING APPARATUS
Lloyd L. Miller, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 4, 1942, Serial No. 457,367
2 Claims. (Cl. 144—253)

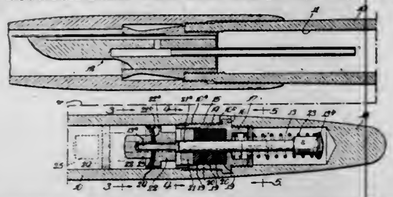


1. A slotting apparatus comprising opposed rotatable slotting elements for successively cutting aligned groups of slots in heads of spools parallel with the axes of the spools, a tubular guide to successively receive and support the spools during their advancement to and between the cutting elements and having opposed cutaway portions to receive the elements, and a resilient member extending through one of the cutaway portions in the tubular guide to engage the spool heads at the elements to hold the spools against vibrating during slotting of their heads.

2,343,991
FILLING MECHANISM FOR FOUNTAIN PENS
David F. Mohns, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application August 1, 1942, Serial No. 453,145
7 Claims. (Cl. 120—47)

6. In a filling mechanism for a fountain pen having an ink reservoir, a plunger mechanism for effecting a displacement within said reservoir for the purpose of drawing ink thereinto

which comprises a plunger stem, a head at the forward end of said stem, the peripheral surface of which is adapted to lie in close proximity to the wall of the ink reservoir, a packing member carried by the forward portion of said head and adapted to engage the reservoir wall and effect a seal between such wall and the periphery of said



head upon the forward movement of said plunger and further adapted upon rearward movement of said plunger to be released from said wall to permit free movement of the plunger rearwardly, the peripheral surface of said head having axially disposed grooves therein permitting ready passage of ink or air or both past said head.

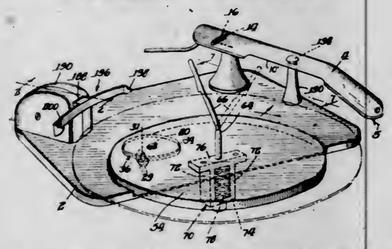
2,343,992

RECORD CHANGER FOR PHONOGRAPHS

James L. Donaldson Morrison, Benton Harbor, Mich., assignor to New Products Corporation, Benton Harbor, Mich., a corporation of Michigan

Application May 9, 1941, Serial No. 392,690

10 Claims. (Cl. 274—10)



1. In a record changer in combination with a support, a worm positioned on the under side of said support and having a right and left handed thread thereon, a turn table positioned on the upper side of said support, an electric motor for driving said turn table and said worm, means disposed above said worm providing a space thereabove communicable with a portion of the thread of said worm, a follower positioned in said space during the playing of the record when on the turn table, lever means connected to said follower, a tone arm shiftably mounted on said support, tone arm lifting and lowering means connected with said lever means, and means actuated by a predetermined movement of said tone arm to shift the follower from said space into the thread of said worm thereby moving said lever.

2,343,993

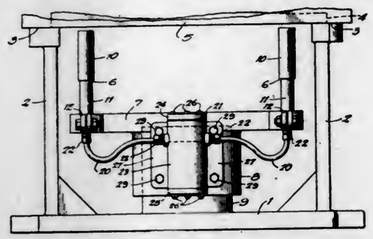
LEVELING DEVICE

Walter E. Naylor, Chicago, Ill., assignor to Champion Foundry and Machine Company, Chicago, Ill., a corporation of Illinois

Application March 23, 1942. Serial No. 435,821

10 Claims. (Cl. 254—133)

1. A self adjusting pressure applying device comprising a support, a plurality of piston-cylinder units mounted on said support and serving as bearing members for engaging the article acted upon, a closed, self-contained fluid system providing normally open communication between all of said units but void of communication with any outside fluid supply, and means



arranged in said system and automatically actuated by the pressure therein to block the passage of fluid from one unit to another when the pressure in said system exceeds a predetermined amount.

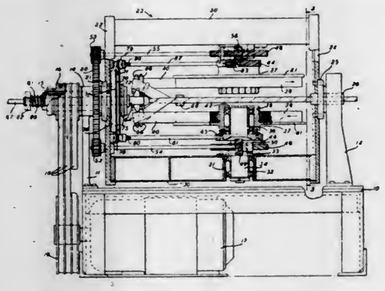
2,343,994

CORE COVERING APPARATUS

Axel C. Nystrom, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 7, 1942, Serial No. 461,225

16 Claims. (Cl. 57—15)



1. A material serving apparatus comprising a serving head rotatable about an advancing core and including a holder, for a supply of material to be served to the advancing core, rotated about an axis at an angle with respect to the axis of the serving head and in a given direction by the material being withdrawn from the supply, a spindle to support the holder for rotation, and means to rotate the spindle in the said given direction.

2,343,995

DISAZO DYES DEVELOPED ON THE FIBER

Henry Charles Olpin and John Wright, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 9, 1940, Serial No. 344,605. In Great Britain August 8, 1939

2 Claims. (Cl. 8—48)

1. Process for the coloration of cellulose acetate textile material which comprises diazotizing thereon 4-nitro-4'-amino-2':5'-dimethoxy-azo benzene and coupling the resulting diazo compound on the material with N-di-ethyl-m-anisidine.

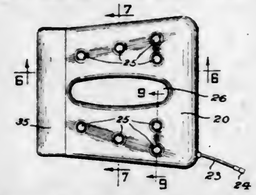
2,343,996

PNEUMATIC CUSHION

George H. Perry, Brooklyn, N. Y., assignor to Airtress Corporation of America, a corporation of New York

Application May 16, 1941, Serial No. 393,759

3 Claims. (Cl. 155—179)



1. In a pneumatic cushion for vehicles, a main inflatable body formed of rubber or other elastic material, a longitudinal expansion aperture formed in and extending through said body, said aperture having walls extending from the upper and lower surfaces of said body and joined in overlapping relation along a mid-line therein, thereby eliminating the use of extra reinforcing members, a plurality of circular apertures smaller than and disposed about said longitudinal aperture, said circular apertures also being formed in and extending through said body and including walls extending from the upper and lower surfaces of said body joined in overlapping relation along mid-lines therein, said longitudinal and circular apertures forming a relatively high zone in the mid-portion of said cushion and an area thereabout relatively lower in height, and an enveloping casing of substantially non-elastic material snugly embracing said body when the latter is normally inflated.

2,343,997

STABILIZED VINYL RESIN COATING

George M. Powell and William H. McKnight, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application January 31, 1942, Serial No. 429,112

10 Claims. (Cl. 260—21)

1. A coating composition stabilized against decomposition on heating, comprising an artificial resin containing polymerized vinyl chloride associated with from about 0.5 to about 10 parts of a stabilizing ingredient per 100 parts of the artificial resin, said stabilizing ingredient comprising a resin containing substantially no basic amino groups, resulting from the condensation of formaldehyde with an amide of the group consisting of urea and melamine, and from about 0.2 to about 6 parts of an adjuvant material per 100 parts of the artificial resin, said adjuvant material being adapted to prevent reticular formations in the coating on baking, and comprising one of the group consisting of vegetable oils, vegetable oil modified alkyd resins, and unmodified alkyd resins.

2,343,998

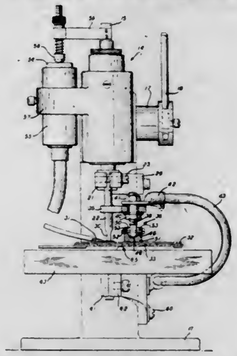
WELDING APPARATUS

Raymond E. Powell, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 5, 1942, Serial No. 467,942

4 Claims. (Cl. 219—4)

2. A welding apparatus comprising an electrode having normally spaced leading and following members, the former having a flat work engaging surface, means to support the members for movement of the leading member free of engagement with the following member during



movement of both members toward a surface of a part to be welded to another part for engagement of the said surfaces prior to engagement of the members, and an electrode adapted to engage the other part.

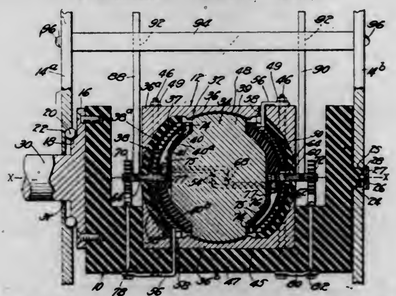
2,343,999

VARIABLE INDUCTOR

John P. Putnam, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine

Application March 19, 1942, Serial No. 435,286

6 Claims. (Cl. 171—242)



1. A variable inductor comprising, in combination, two relatively rotatable ferro-magnetic members spaced from each other by a gap in any angular relative position of said members; conductively connected and inductively related coils in said gap; and means mounting said coils on said members, respectively, in spaced relation therefrom so that said coils are closer to each other than to their respective members, thereby considerably increasing the figure of merit of the inductor.

2,344,000

BOTTLE CARRYING CONVEYER FLIGHT

Philip C. Read, Shorewood, Wis., assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis., a corporation of Wisconsin

Application June 4, 1941, Serial No. 396,560

10 Claims. (Cl. 198—131)

1. A flight for bottle carrying conveyers and the like comprising: an elongated tubular body structure composed of connected pieces fabricated from sheet metal, said body structure having bottle receiving sockets at spaced intervals

along the length thereof, each socket comprising a funnel shaped bushing having its small diameter end fitting into a hole in a wall of the body structure, the peripheral edge portions of the holes being extruded outwardly toward the large



diameter ends of the bushings, and the small diameter ends of the bushings being flared outwardly over the inner surface of said extruded portions so that the bushings are secured in place while the wall in which the hole is formed is reinforced against bending stresses.

2,344,001

PROCESS FOR THE PRODUCTION OF ALKALI METAL SULPHIDES

Richard S. Robinson, Geddes, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application October 30, 1942, Serial No. 463,993

12 Claims. (Cl. 23—134)

1. A process for the production of an alkali metal sulphide which comprises reacting sulphur with an aryl hydrazo compound and a compound having the type formula Alk—OR, wherein Alk represents an alkali metal and R denotes a radical selected from the group consisting of hydrogen and alkyl groups.

2,344,002

SPINNING COMPOSITION AND TEXTILE FIBER MADE THEREFROM

Edward W. Rugeley and William M. Quattlebaum, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application August 18, 1939, Serial No. 290,797

6 Claims. (Cl. 260—23)

5. A heat-stable textile fiber composed of a vinyl resin resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid, which contains from about 70% to about 95% by weight of the halide in the polymer and which has an average macromolecular weight of at least 15,000, said vinyl resin containing a stabilizer consisting of a butyl tin salt of lauric acid, said tin salt being at least partially soluble in a solvent for the resin.

2,344,003

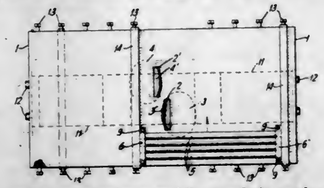
DEVICE FOR PRODUCING INCISIONS IN RODS OR TUBES

Julius Sheptinsky, Brooklyn, N. Y., assignor to Bruno Patents Inc., Long Island City, N. Y.

Application March 9, 1943, Serial No. 478,573

3 Claims. (Cl. 29—70)

1. A device for the simultaneous production of V-shaped incisions of substantially identical design and dimensions in several straight, cylindrical bodies of substantially identical diameters, transversely of the longitudinal axis of said bodies, the sides of said incisions lying in planes. each of which forms the same predetermined angle with the axis of the bodies, said device comprising means for holding said bodies in a fixed parallel position relative to each other, a table having a plane upper surface and provided with adjustable means for guiding said bodies in a direction forming a right angle with the axis of the bodies, a first circular saw-blade for cutting one side of the incisions, said first saw-blade being connected with an electromotor mounted on a stationary base arranged below the table area, partially extending through a slot arranged in said direction in the surface of the



table, while forming said predetermined angle with said surface, a second circular saw-blade for cutting the other side of the incisions, said second saw-blade partially extending through a second slot in the surface of the table, being connected with an electromotor mounted on said stationary base, and arranged symmetrically with respect to said first saw-blade, said bodies being capable of relative movement in said direction with respect to said first and second saw-blade, which are spaced in the direction of said movement for carrying out said cutting of the sides subsequently during said movement.

2,344,004

PROCESS FOR THE PREPARATION OF FERRIC OXIDE

Charles Georges Six, London, England, assignor to F. W. Berk and Company Limited, London, England

No Drawing. Application April 12, 1943, Serial No. 482,825. In Great Britain April 20, 1942

5 Claims. (Cl. 23—200)

2. A process for the manufacture of ferric oxide of high purity which comprises reacting an iron containing material selected from the group consisting of oxide and sulphide ores of iron and mill scale with nitric acid to form ferric nitrate, crystallising the ferric nitrate from the solution formed as a ferric nitrate hydrate of the formula $Fe_2(NO_3)_6.18H_2O$, separating the crystals from the solution and decomposing them into ferric oxide and nitric acid by heating at a temperature of between 125 and 200° C.

2,344,005

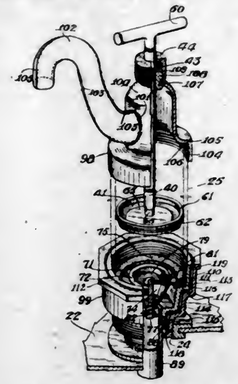
LIQUID-DISPENSING APPARATUS

Edwin P. Sundholm, Albert City, Iowa

Application March 21, 1941, Serial No. 384,462

6 Claims. (Cl. 221—85)

1. In liquid-dispensing apparatus of the character described including a generally vertical pump cylinder, a fitting for the lower end of said cylinder having an internally-threaded upper mouth adapted screw-threadedly to receive the lower end of said cylinder, an internal annular shoulder below said mouth, the outer wall of said fitting bearing externally-threaded portions of successively decreasing diameters adapted for screw-threaded engagement with internally-threaded drum bung-openings of different diameters, an internally-threaded lower opening in said fitting spaced below said shoulder adapted screw-threadedly to receive the upper end of an inlet tube, and a suction-responsive check-valve housed in said fitting above said lower opening and arranged to permit flow of liquid there-



through solely in an upward direction, said check-valve housing having a rim portion extending over said internal annular shoulder adapted to be caught between said shoulder and the juxtaposed lower end of the pump cylinder when the latter has been operatively screwed into the mouth of said fitting.

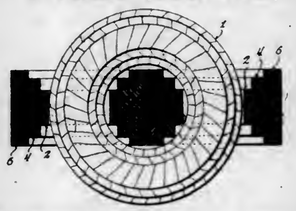
2,344,006

METHOD OF MAKING ELECTROMAGNETIC INDUCTION APPARATUS

Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application January 25, 1941, Serial No. 375,908

11 Claims. (Cl. 29—155.5)



1. The method of producing an assembled magnetic core and winding, said method including the steps of winding a conductive winding, winding a strip of magnetic sheet material into a coil, passing the outer end of said coil through the conductive winding and securing it to the outer surface of the coil to form a loop interlinking with the winding, rotating the coil to unwind it and simultaneously rewind it in interlinking relation with the conductive winding, releasing the secured outer end and compacting the coil in interlinking relation with the conductive winding and securing the coil in its compacted form against unwinding, winding a second strip of magnetic sheet material of a different width from that of the first mentioned strip to form a second coil, passing the outer end of said second coil through the conductive winding and around the first compacted coil and securing it to the outer surface of said second coil to form a loop around the first compacted coil and in interlinking relation with said conductive winding, rotating the second coil to unwind it and simultaneously rewind it in interlinking relation with the conductve winding and around the first compacted coil, releasing the secured outer end of said second coil and compacting the second coil around the first compacted coil.

2,344,007

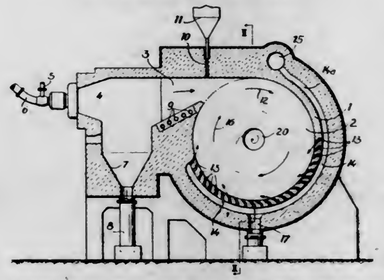
APPARATUS FOR THE PRODUCTION OF EFFICIENT FUEL GASES

Friedrich Totzek, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application April 5, 1940, Serial No. 327,951

In Germany April 18, 1939

7 Claims. (Cl. 48—63)



1. Apparatus for producing fuel gas comprising: a substantially horizontal reaction chamber substantially circular in cross-section; a combustion chamber; passage-means leading from the combustion chamber into the upper part of the reaction chamber so constructed and arranged that the products of combustion are given a tangential and rotary movement in the reaction chamber; means for introducing finely divided solid fuel into the products of combustion adjacent the point of introduction of the products of combustion into the reaction chamber; and steam inlets to the reaction chamber in the wall of the reaction chamber opposite said point of introduction, said steam inlet being connected with a steam supply.

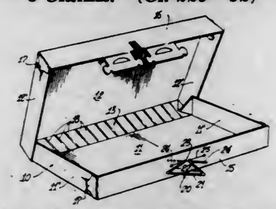
2,344,008

BOX STRUCTURE

William Trogman, Chicago, Ill.

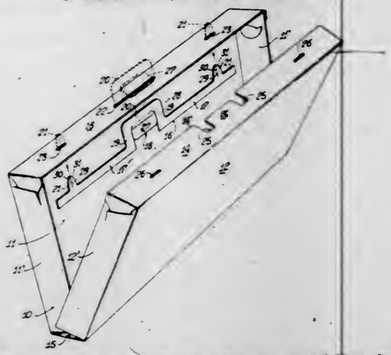
Application June 6, 1942, Serial No. 446,065

3 Claims. (Cl. 229—52)



1. In a box of cardboard including a receptacle portion and a cover portion with overlapping edge portions, a load carrying means for said box including a wire handle with connected hanger arms extending in a direction to converge with each other and provided with bends in a direction from said point of convergence to provide aligned end portions, an elongated slot with closely disposed eyelets formed in one of said overlapping edge portions and adapted to receive said aligned end portions of said handle with the bends thereof disposed in said eyelets, and a relatively narrow slot formation in the other one of said overlapping edge portions to permit closure of said cover and receptacle portion.

2,344,009
BOX HANDLE AND LATCH
William Trogman, Chicago, Ill.
Application June 6, 1942, Serial No. 446,066
6 Claims. (Cl. 229—52)



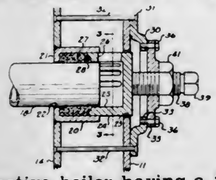
1. A combined handle and latch for folding box structures having a pair of overlapping top walls, said handle and latch comprising in combination elongated slots formed in each of the top walls of said box and a pair of latching slots axially aligned with said elongated slot on the top walls and in spaced relation therefrom, each of said slots being disposed to register with each other when the top walls are in overlapping relation, a member including a main rib having a looped midsection providing a handle portion, a pair of two-way latching prongs formed on the upper edge of said rib adjacent its end, said handle portion extending through said elongated slots and said latching prongs extending through their respective latching slots with said rib bearing against the underside of said overlapping walls, and means facilitating the bending of said latching prongs in opposite directions over the latching slots whereby to simultaneously hold the handle in said elongated slots and to lock said overlapping top walls with respect to each other.

2,344,010
COMBINATION BEACH ROBE, TOWEL, AND RECEPTACLE
Hennrietta Bros Walsh, Minneapolis, Minn.
Application August 18, 1941, Serial No. 407,301
1 Claim. (Cl. 2—69)



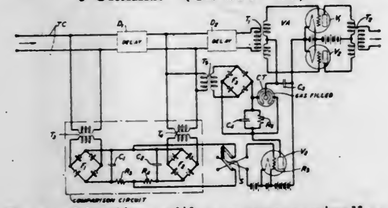
A combination robe, receptacle, and/or cushion comprising a rectangular sheet of toweling material having on one side thereof rows of fastening means arranged in the form of a rectangle, one long side of said rectangle extending parallel to and closely adjacent one long edge of said sheet and disposed centrally of said long edge, the area of said sheet comprising a multiple of one half of the area of said rectangle so that said sheet may be folded inwardly from its short ends along lines parallel to said ends and folded inwardly from the long side opposite said rectangle then folded inwardly again from its ends to form a rectangle, then folded along a median line to bring the same within the area of said rectangle and then folded along its median line to bring the fasteners at opposite sides of said rectangle into adjacent relation so that they may be connected to form a rectangular cushion-like body formed of equal superposed folds and a handle means by which said body may be carried, said body means being also capable of being used as a receptacle.

2,344,011
SIPHON INLET
Larkin R. Williamson, Brooklyn, N. Y., assignor to H. H. Pinney, Cleveland, Ohio
Application September 6, 1940, Serial No. 355,650
2 Claims. (Cl. 122—68)



1. A locomotive boiler having a throat, a firebox and a crown sheet, a siphon disposed in the firebox and opening through the crown sheet, an open bottom cup-like element projecting into and rigidly secured to said throat, said siphon having a neck universally movably projecting into said throat and through said bottom, another cup-like element projecting into said throat and having the lip thereof adapted for telescoping with said first-named cup-like element, packing means interposed between said elements, one of said elements having an intake, and means disposed exteriorly of said throat for urging one of said elements toward the other.

2,344,012
AMPLITUDE RANGE CONTROL IN SIGNAL TRANSMISSION SYSTEMS
Sumner B. Wright, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 2, 1940, Serial No. 332,893
6 Claims. (Cl. 250—20)

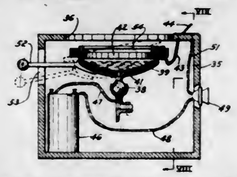


1. In combination with a range controller in a signal transmission circuit, including a variable gain amplifier in said circuit and a control circuit for automatically adjusting the gain of said amplifier to make the signal amplitude range in its output a desired function of the signal amplitude range in its input, means to improve the operation of said range controller in the presence in said circuit of interfering noise energy of relatively short period compared to that of the signal waves, or selective signal fading conditions, comprising means responsive to the waves applied to said control circuit to adjust its time constant so as to produce a slow variation in the gain of said amplifier for the applied waves of short period and a fast variation in its gain for applied waves of relatively long period.

2,344,013
HARDENING PHOTOGRAPHIC GELATIN
Charles F. H. Allen and Charles V. Wilson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 10, 1942, Serial No. 461,634
9 Claims. (Cl. 95—7)

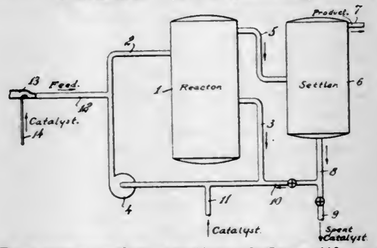
1. In the manufacture of photographic articles provided with a hardened gelatin layer, the step which comprises treating the gelatin with a diacyl ethylene.

2,344,014
WARNING SIGNAL
Thomas T. Allison, Jr., Birmingham, Ala., assignor of one-half to Arthur T. McWane, Birmingham, Ala.
Application March 26, 1942, Serial No. 436,225
1 Claim. (Cl. 200—52)



In an electric circuit closer, a freely portable casing, a relatively shallow vessel in the casing, means for adjusting the vessel to a level position in the casing, conducting material in the bottom of said vessel connected to one side of said circuit, a ring conductor mounted on the vessel spaced from the bottom thereof and connected to the other side of the circuit, and a conducting fluid in the vessel adapted to bridge the space between the conducting material in the bottom of the vessel and the ring conductor to close the circuit when the vessel assumes an off-level position.

2,344,015
ALKYLATION
Ernest Boyd Allred, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application December 10, 1941, Serial No. 422,355
4 Claims. (Cl. 260—683.4)

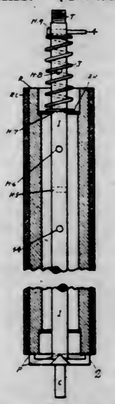


2. In a process for reacting olefins with paraffin hydrocarbons by maintaining within a reaction zone a reaction mixture containing olefins, paraffin hydrocarbons, a fluid catalyst and reaction products, withdrawing a portion of said mixture from said zone for recovery of reaction products and adding to another withdrawn portion of the mixture fresh catalyst and a hydrocarbon charge mixture of olefins and paraffin hydrocarbons; the step which comprises injecting a minor proportion of said fresh catalyst into said charge mixture before the latter contacts the reaction mixture and injecting a major proportion of said catalyst directly into said reaction mixture.

2,344,016
CORROSION-PREVENTIVE HYDROCARBON OIL
Alvin P. Anderson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 25, 1942, Serial No. 436,155
15 Claims. (Cl. 252—51)

1. A corrosion-protective composition for metals comprising a normally non-gaseous hydrocarbon oil substantially free from asphalt and containing dissolved a small amount of a hydrocarbon wax amine substantially free from chlorine which amine is a reaction product of chlorinated paraffin wax and ammonia.

2,344,017
DEVICE FOR CLEANING AND DRYING ROLLER STIPPLERS
Max Ashpes, New York, N. Y.
Application November 7, 1941, Serial No. 418,230
2 Claims. (Cl. 287—53)



1. A device for cleaning and drying roller stipplers comprising in combination, a rotatable spindle of suitable length, to accommodate roller stipplers of various lengths, said spindle having a reduced end for support thereof, in a chuck of a high speed driving means, and to form a shoulder against which a perforated driver plate is permanently fixed, the pointed corners of which are bent to form prongs against which one end of the roller stippler engages, to be positively driven, means adjustable along the body of the spindle to force stipplers of various lengths against the prongs of the driver plate, including a series of perforations spaced along the body of the spindle with successive perforations at a right angle to each other, a compression spring movable along the spindle to engage the other end of the roller and held under tension by a headed pin at the rear of the spring in the perforation best suited to tension the spring, said pin being of suitable length to retain its position in the perforation by tension of the spring, and centrifugal action when the spindle is driven.

2,344,018
SUBMARINE PAINT
Erich Baumheier, Oschatz-Zschollau, Germany; vested in the Alien Property Custodian
No Drawing. Application March 8, 1941, Serial No. 382,445. In Germany January 24, 1940
7 Claims. (Cl. 260—736)

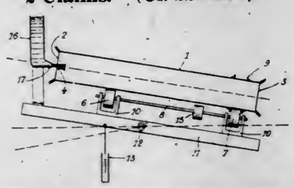
1. An underwater paint comprising coumarone resin, tetrahydronaphthalene, chlorinated caou-

tchouc dissolved in benzol, a repellent of the class consisting of croton oil and the methanol-soluble extract thereof, red oxide of iron and charcoal charged with ammonia.

2,344,019
COMPOSITION AND METHOD FOR PRESERVING WOOD
Enoch Bostrum, Buffalo, N. Y., assignor to Osmose Wood Preserving Company of America, Inc., Buffalo, N. Y., a corporation of New York
No Drawing. Application March 3, 1941, Serial No. 381,551
8 Claims. (Cl. 167—38.7)

1. A process for preserving green or water-laden wood without the use of forced impregnation, comprising applying to the debarked surface of wood containing moisture a viscous, tacky, non-aqueous composition comprising a water-insoluble organic wood preservative as a vehicle carrying in suspension a substantial proportion of solid particles of a stable, water-soluble mycocide preservative which is insoluble in the vehicle, permitting said water-soluble preservative to diffuse into the wood by osmosis through the medium of the moisture contained in the wood, the water-insoluble carrier forming a water-impervious zone at the surface of the treated wood to prevent the leaching out of the water-soluble preservative.

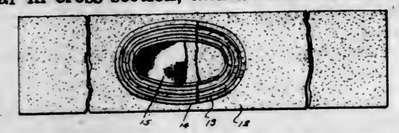
2,344,020
METHOD OF CENTRIFUGALLY CASTING TUBULAR BODIES
Jacques Boucher, Paris, France; vested in the Alien Property Custodian
Application April 11, 1941, Serial No. 388,131
In France March 28, 1940
2 Claims. (Cl. 22—200)



1. A method for the centrifugal casting of tubular bodies with two solid closed ends in a mould adapted to pivot round a horizontal axis, consisting in pouring molten metal into the mould, rotating latter at high speed for the production of the tubular body, tilting the mould into a position substantially at an angle with the horizontal with the inlet end of the mould at a higher level than the opposite end during a fraction of the time required for the production of said tubular body for forming a solid closure for the tubular body at said opposite end of the mould, simultaneously cooling said opposite end, tilting the mould back into approximately horizontal position and simultaneously cooling the inlet end of the mould for forming a second solid closure for the tubular body.

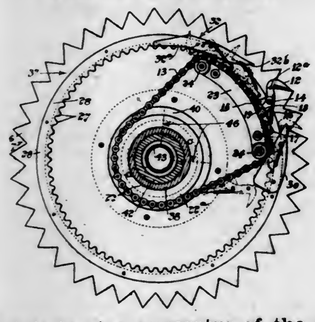
2,344,021
SURGICAL BANDAGE
George Bouziane, Janesville, Wis.
Application September 5, 1942, Serial No. 457,489
1 Claim. (Cl. 128—156)

A bandage for stopping the flow of blood comprising a sheet having an adhesive side, stiffening plates superposed one on another and opposed to said side of the sheet, a plurality of elliptical ribs disposed on the outermost plate one within another in spaced-apart relation and being triangular in cross section, and a fabric covering for



said plates and ribs opposed flatwise to the sides of the rigs and to the outermost plate in between said ribs and having edges overlapping the edges of the plates and adhering to the adhesive side of the sheet.

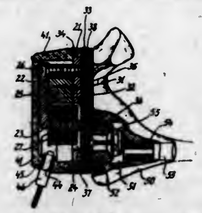
2,344,022
FOLDING AND INTERLEAVING MACHINE
Herbert A. Brawn, Beauharnois, Quebec, Canada, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada
Application May 11, 1942, Serial No. 442,559
4 Claims. (Cl. 270—39)



1. In interleaving apparatus of the character described the combination with a toothed wheel member of a divider strip tipping mechanism comprising a disk secured to the central portion of said wheel member to rotate therewith, a stationary shoe arranged between said disk and the periphery of said wheel member, an endless chain trained around said disk and said shoe, a driving connection between the wheel member and the chain whereby said chain is caused to travel with said wheel member, a mounting member carried by said chain, a divider strip tipping member pivotally secured to said mounting member, a biasing spring normally holding said tipping member in a predetermined position, stationary control cams arranged adjacent opposite ends of said shoe and means whereby said tipping member is swung to a retracted position against the resistance of its biasing spring as it passes each of said cam members.

2,344,023
EARPHONE
Richard W. Carlisle, Elmsford, and Alfred J. Mastropole, New York, N. Y., assignors to Sonotone Corporation, Elmsford, N. Y., a corporation of New York
Application September 25, 1942, Serial No. 459,648
6 Claims. (Cl. 179—107)

3. In an earphone designed to be small enough for carrying in the ear of the user: a relatively massive driving structure comprising a substantially rigid plate-like aligning member having a generally cylindrical peripheral surface and an opening confined within its periphery; one side of said aligning member having an aligning surface extending adjacent to and in predetermined fixed angular relation to said cylindrical peripheral surface; a magnetic core structure extending along the other side of said aligning member in a predetermined aligned position relatively to said aligning surface and having a pole projection extending into the region of said opening, and windings interlinked with said core structure for inducing with electric oscillations of the principal audio-frequency range corresponding magnetic vibratory forces in said core structure; a vibratory diaphragm having a peripheral portion supported in a predeterminedly aligned position by the aligning surface of said aligning member and a magnetic portion held in a vibratory condition at a predetermined small gap opposite said pole projection so as to be driven by magnetic



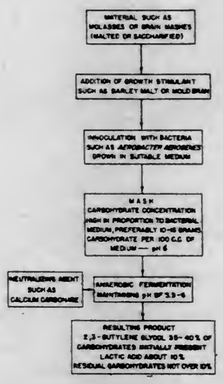
forces acting across said gap; and a cap structure having a cap wall including a sound outlet duct overlying said diaphragm, and a cap rim arranged to be guided in detachable interlocking engagement and in a predetermined aligned condition by the peripheral surface of said aligning member to a position in which it holds said diaphragm and said cap wall secured in a predetermined aligned position along said aligning surface so as to form an acoustic chamber of predetermined acoustic characteristics between the diaphragm and the cap wall; and a casing portion affixed to said driving structure and held in a position in which it is free from direct clamping engagement with said cap rim and forms with said cap structure an enclosure around said core structure and said diaphragm.

2,344,024
BROACH AND A METHOD OF PREPARING THE SAME
Bruce Chandler, Waukegan, Ill., and Henry B. Yuen, Montreal, Quebec, Canada, assignors to Pfanstiehl Chemical Company, a corporation of Illinois
No Drawing. Application September 25, 1942, Serial No. 459,736
3 Claims. (Cl. 51—309)

1. A fired composition comprising approximately 25% to 50% diamond dust, 36.8% to 75% aluminum oxide, 0% to 10% bentonite and 0% to 6% of zinc orthosilicate, the components being homogeneously distributed throughout the mass and the composition being adapted for use in grinding.

2,344,025
FERMENTATIVE PRODUCTION OF 2,3-BUTYLENE GLYCOL
Leo M. Christensen, Moscow, Idaho, assignor to National Agrol Company, Inc., New York, N. Y., a corporation of Delaware
Application March 12, 1941, Serial No. 383,051
5 Claims. (Cl. 195—43)

1. A method of fermenting carbohydrates to produce 2,3 butylene glycol comprising inoculating a material containing fermentable carbohydrates with a culture of a 2,3 butylene glycol producing bacteria of the genus Aerobacter, in the proportions of at least 10 grams of carbohydrates to 100 cubic centimeters of bacterial culture, anaerobically fermenting the resulting mash, controlling the carbohydrate concentration to prevent the concentration from falling



below 6 grams per 100 cubic centimeters of bacterial culture by introducing additional fermentable carbohydrates to the mixture at required intervals during the fermentation and, adding calcium carbonate to neutralize the acid formed during the fermentation, and control the hydrogen ion concentration at a pH of less than 5.

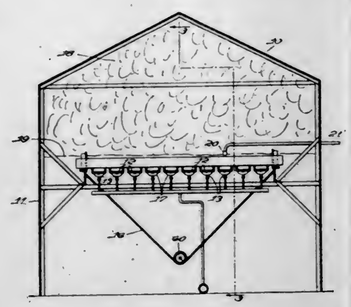
2,344,026
PROCESS FOR PRODUCING RESINS OF THE COUMARONE-INDENE TYPE
Edwin L. Cline, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 14, 1942, Serial No. 426,786
16 Claims. (Cl. 260—81)

1. A process for the production of resins of the coumarone-indene type of improved color and odor which comprises subjecting a resin oil, the polymerizable constituents of which comprise predominantly polymerizable material selected from the group consisting of coumarone, indene, styrene and their homologs, and from which substantially all the tar acids, tar bases and cyclopentadiene constituents have been removed to polymerization in the presence of an amount of an aryl sulfonic acid catalyst equivalent to at least about 1% of the weight of the oil at a temperature not greater than about 110° C.

2,344,027
PRODUCTION OF CARBON BLACK
Leonard M. Conner, Sunray, Tex., assignor to Continental Carbon Company, a corporation of Delaware
Application May 5, 1941, Serial No. 392,021
4 Claims. (Cl. 23—209.8)

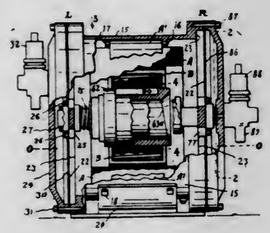
1. In the production of carbon black, in a system in which a plurality of individual gas burners of the impingement type are operated in proximity to chilled members within a structure having substantially fixed draft inlet and outlet openings, and having no mechanical draft regulation system, the method which comprises automatically regulating the flow of gas to the burners in response to temperature-sensitive means,

to produce a greater flow of gas to the burners when the temperature at points adjacent im-



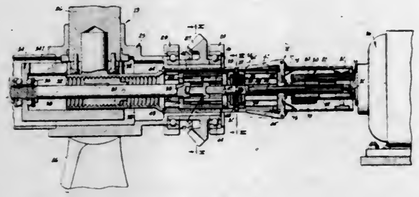
pingement surfaces in the combustion zone falls too low, and a smaller flow of gas to the burners when the temperature is too high.

2,344,028
COMPRESSOR
Chester B. Curry, Muncie, Ind.
Application September 4, 1941, Serial No. 409,465
7 Claims. (Cl. 230—139)



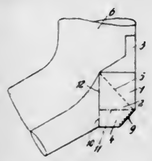
1. A machine of the kind described, comprising an electric motor-field assembly, an electric motor rotor, a cylinder embodying annular end portions that are eccentric to the axis of the cylinder, are concentrically integrated with said rotor, and are beveled concentrically thereof to constitute cone shaped journals, a cylindrical arbor of diameter less than the bore of the said cylinder, and which said arbor is supported against rotation and coaxially of said rotor and at position tangentially of the said cylinder to provide a crescent shaped void thereat, the said arbor being provided with a longitudinal radial slot, there being immediately at a side of said slot an exhaust duct leading from the perimeter of the arbor and having exit at an end of the arbor, and there being an inlet duct at the other end of the arbor and leading to the opposite side of said slot and with its exit at the perimeter of the arbor, a vane loose radially in said slot, means to yieldingly urge the vane outwardly and in contact with the cylinder, and opposed beveled rings spaced upon and fastened to said arbor at positions engaged with said cone shaped journals of the eccentric end portions of said cylinder, thereby closing the ends of said cylinder, supporting it for rotative movement, and constituting said void into a crescent cavity, whereby, with each revolution of the rotor and the moving by the cylinder of the cavity around the arbor, the said cavity will have been exhausted and refilled.

2,344,029
SYNCHRONIZING SYSTEM
Phillip E. Day, Alhambra, Calif., assignor of one-third to Floyd A. Anthony and one-third to Ballard Day, both of Los Angeles, Calif.
Application May 19, 1941, Serial No. 394,161
6 Claims. (Cl. 170—135.6)



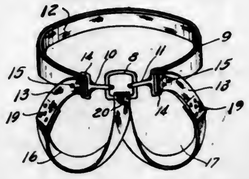
1. In a synchronizing system, a controlled rotating member and a controlling rotating member, speed-controlling means mounted on the controlled member and movable to vary its speed, differential means intercoupling said controlled and controlling members and including first and second members directly connected to said controlled and controlling members, respectively, for rotation at the same speeds, and a differential element responsive to differential motion between said first and second members to rotate at a relatively low speed, means positively intercoupling said differential element and said speed-varying means for actuating the latter through a predetermined range of movement in response to continued operation of said controlled and controlling members at different speeds, and braking means between said first and second differential members for directly interlocking said first and second differential members against relative movement in response to movement of said differential element beyond said predetermined range of movement.

2,344,030
STOCKING
Herbert Dietrich, Meinersdorf in Erz Gebirge, Germany; vested in the Alien Property Custodian
Application August 21, 1941, Serial No. 407,718
In Germany January 4, 1940
5 Claims. (Cl. 66—187)



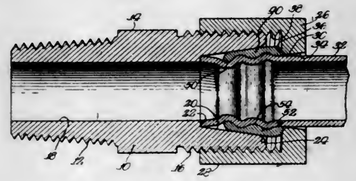
1. Method of producing on a flat knitting frame in a single operation a full-fashioned stocking having a French foot and a pouch heel comprising two heel portions while work on the center portion is suspended during the knitting of the heel portions, consisting in producing the wedges forming the two heel portions on the section side by side and, at least partly, simultaneously in such manner that of every two wedges of a heel portion to be united the one lying on top in the finished stocking is knit from its upper edge and the one lying below from its lower edge and with its inner longitudinal edge facing the outside, and effecting the union of the two wedges by gradually transferring one of the two wedges to one other wedge.

2,344,031
SAFETY BELT
Alphonse D. De Shano, Bay City, Mich.
Application January 15, 1943, Serial No. 472,537
5 Claims. (Cl. 227—49)



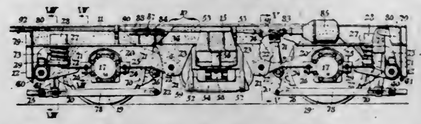
1. In a safety saddle belt, the combination of a rigid supporting ring for the attachment of a supporting rope, a flexible waist band, snap hooks secured on said waist band with the end sections of the material leading through the snap hook eyes and folded back on the main belt body and secured thereto, another strip threaded through the supporting ring with the ends leading down and thence upwardly and secured to the ends of the main belt at a point spaced circumferentially from the hooks to form leg loops with the overlapping sections of said strip secured together at a point directly below the center ring to prevent slippage and maintain the loop sections against contraction.

2,344,032
COMPRESSION COUPLING
Harold W. Eden, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1941, Serial No. 420,481
3 Claims. (Cl. 285—86)



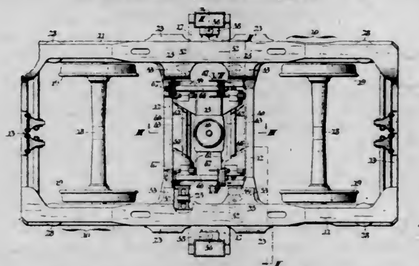
1. A coupling for relatively thin walled substantially rigid tubing adapted to be made and remade comprising a body, a sleeve, and a nut adapted to be threadably attached to the body, said body having a passage therethrough and an annular enlargement at one end of the passage having the wall thereof flared outwardly providing a recess substantially wedge shaped in cross section between the wall of the tubing and said wall of the enlargement, said nut having a passage therethrough for the tubing including a recess at one end and an abutment at the bottom of the recess, said sleeve comprising a single ring of metal circumferentially continuous throughout its width and having a plurality of open annular depressions in the inner wall thereof surrounding the tube, one end of said sleeve being smaller than the large end of said annular enlargement on the body and the other end being larger than the adjacent end of the passage through the nut, said sleeve having an initial position with the end only of said sleeve extending into the enlargement and an assembled position wherein the sleeve has a position closer to the bottom of the enlargement said sleeve being displaced axially relative to the initial position thereof and wherein the tubing is in snug contact with the bottom of the enlargement, said sleeve throughout its length having a portion deflected into the wall of the tubing, said deflection being greater at the end of the enlargement nearest the end of the tube than at the other end.

2,344,033
RAILWAY CAR TRUCK
Warren R. Elsey, Wynnewood, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 20, 1940, Serial No. 366,344
10 Claims. (Cl. 105—218)



1. In a railway car truck, the combination of a load-carrying truck comprising side frames with connecting cross members; truck wheels and axles; journal box mountings pivoted to the side frames with provision for independent up and down movement, the pivots of said mountings each including a resilient bushing which is restrainedly connected to the associated side frame and mounting against relative turning in order to torsionally resist movement of said mounting about the pivot; spring means interposed between the truck side frames and the several mountings for independently cushioning their relative movement; a stay-rod for guiding each mounting transversely of the truck during its up and down movement; and resilient connectors interposed between the ends of said stay-rods and their anchorages, to the respective mountings and cross members, to permit flexure and for absorbing vibration thereat.

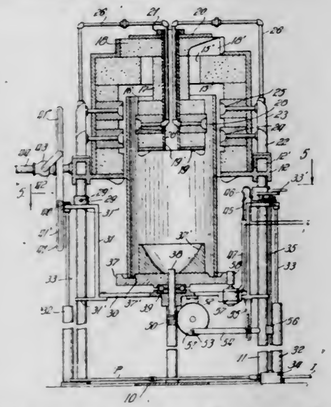
2,344,034
RAILWAY CAR BOLSTER SUSPENSION
Warren R. Elsey, Wynnewood, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 3, 1942, Serial No. 460,589
3 Claims. (Cl. 105—193)



1. In a railway car truck, a frame comprising side longitudinals and connecting cross members; an inverted channel-section load carrying bolster; a spring plank of mainly I-section suspended from the frame beneath the bolster and supporting the latter at its ends with interposition of spring means; stays including rubber bushing and apertured-disc elements, respectively in shear and compression, connecting the bolster to the truck frame and the spring plank to said bolster for cushioning their movements laterally of the truck, said bushing elements serving to allow a greater amount of movement

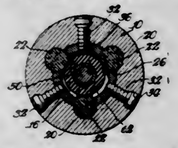
than the apertured-disc elements; and stays including apertured-disc rubber elements, also in compression, connecting the bolster to the truck for controlling movement of the bolster longitudinally of the truck, said last mentioned disc elements being arranged to limit such longitudinal movement of the bolster to an extent less than that allowed for its lateral movement.

2,344,035
TUBE NOSE FORGING FURNACE
Nicholas L. Etten, Waterloo, Iowa
Application September 26, 1942, Serial No. 459,869
6 Claims. (Cl. 263—7)



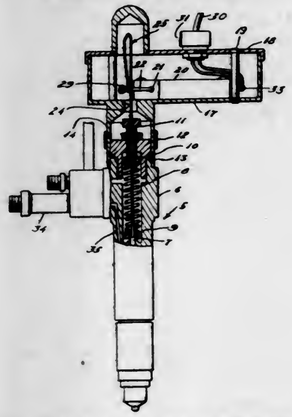
1. In a tube-nose forging furnace, a base, supports on said base, an inverted bell-like heating oven mounted on the supports, radiant gas burners inserted in the bell projecting radially toward and closely adjacent the tube heating area, a slidable tube base mounted on the supports for supporting the tube in upper heating position and lowered loading-discharge position, means to slide the tube base between upper and lower position including automatic means for lowering the base, a turn-table on the tube base for rotating the tube, means to rotate the turn-table, automatic means to control rotation of the turn-table to cause rotation in upper position and to stop rotation in lower position, automatic means to operate the gas burners at full capacity in upper position of the turn-table and idle the burners in lowered position and means for timing the automatic movements to permit the tube to be heated to desired forging temperature and then lowered to discharge position.

2,344,036
SIZING TOOL
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1943, Serial No. 480,644
6 Claims. (Cl. 51—204)



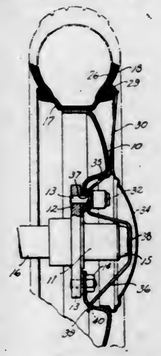
1. A tool for sizing the ends of soft walled tubing comprising a body having a pocket extending inwardly from one end, a plurality of spaced elements positioned at the walls of the pocket having rounded abrasive surfaces stationarily positioned in the body so that when rotated the innermost portions of the rounded abrasive surfaces trace a path about the axis of the body corresponding to the intended shape and size of the tube end, clamping means on the body securing the elements in place and passages extending from the pocket for relief of dust produced by the sizing operation.

2,344,037
STROBOSCOPIC TIMING AND TESTING OF DIESEL AND SIMILAR ENGINES
Howard M. Fuller, Saratoga Springs, N. Y.
Application November 8, 1940, Serial No. 364,944
1 Claim. (Cl. 177—311)



In combination with a fuel injection valve having a reciprocatory valve stem, a housing mounted on said valve and including a portion overlying the outer end of said valve stem, a rod supported in said valve for reciprocation by said stem, a phono-crystal in said housing, said phono-crystal having an actuating needle projecting therefrom, and means operatively connecting said needle and the outer end of said rod.

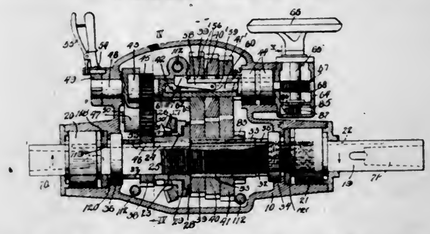
2,344,038
WHEEL AND TIRE LOCK
Charles D. Griffiths, Long Beach, Calif.
Application April 13, 1942, Serial No. 438,734
7 Claims. (Cl. 70—259)



1. A device for preventing the theft of a tire mounted on a wheel rim having a slot in one face

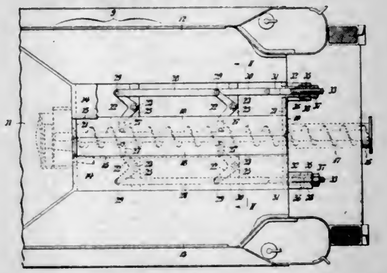
thereof, which includes: a member secured to the inside face of a wall of said tire and extending around the bead thereof and through said rim slot; and a second member adapted to engage the outer end of said first member and said wheel and means for locking said second member to said wheel.

2,344,039
MULTIVERSAL MACHINE TOOL AND BORING HEAD THEREFOR
Frank W. Hack, Des Plaines, Ill.
Application August 7, 1942, Serial No. 453,946
2 Claims. (Cl. 29—26)



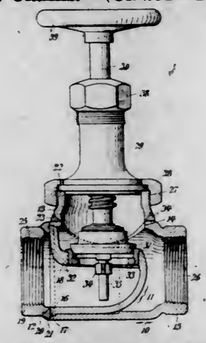
2. A boring head for machines of the type referred to, comprising a housing, a spindle journaled in said housing for rotary and axial movement, threading on said spindle, a bushing receiving said spindle and having threading meshing the threading on the spindle, said bushing bing rotatable on the spindle but held against axial movement, driving means for rotating said spindle, driving means for said bushing including speed change gears, said driving means for the spindle and bushing being arranged to effect differential rotation of the spindle and bushing for axial feed of the spindle, selection means for selecting speed change gears for operation, manually operable means for effecting rotation of said bushing, and means automatically setting said selecting means for disconnection of said speed change gears from said bushing when said manual means is set for service and for automatically disconnecting said manual means from the bushing when said selecting means is set for operation of said speed change gears.

2,344,040
HOPPER GATE ADJUSTING MEANS
Harry A. Hoke, Altoona, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 19, 1942, Serial No. 427,225
14 Claims. (Cl. 105—234)



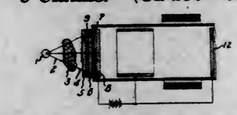
1. Gate adjusting mechanism for the coal hopper of a locomotive tender having a bottom outlet and a gate which is shiftable laterally to control flow into an underlying stoker feed conduit, said mechanism including a screw element movable endwise in a direction at right-angles to the direction of gate movement; interposed connections for translating the endwise movements of said element into lateral movements of the gate to shift said gate to open or closed position; and operating means for the screw element rotatively supported on the wall of the hopper at the front end of the tender.

2,344,041
VALVE
Harry A. Hoke, Altoona, and Joseph F. Matteo, Philadelphia, Pa., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 19, 1943, Serial No. 472,814
2 Claims. (Cl. 251—156)



1. A globe valve having a body constructed throughout from wrought tubular stock, including a main cylindric component with a lateral opening; an inner component to fit within the main component having the configuration of an elbow with one of its ends flush with one end of the main component and with its other end upturned and providing a seat aperture for a stemmed closure member in axial alignment with the lateral opening in the main component; a cylindric extension component with a beveled edge abutted directly against the outer end of the inner component with resultant formation of a surrounding channel in which annular surfaces of all three aforesaid components are exposed; weld metal filling the channel and permanently uniting the three components; and a cylindrical neck component having a beveled edge which is similarly abutted against the main component around the lateral opening of the main component and welded to the latter for attachment of a bonnet for the stem of the closure member.

2,344,042
NEUTRON IMAGE CONVERTER
Hartmut Israel Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany; vested in the Alien Property Custodian
Application July 3, 1941, Serial No. 401,038
In Germany March 15, 1940
5 Claims. (Cl. 250—65)



1. A device for the production of visible or photographic images by means of neutrons, comprising a vacuum tube, a source of neutrons lo-

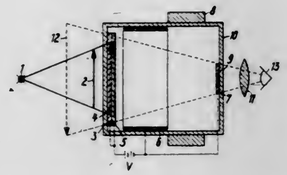
cated outside the tube, a neutron reactive layer located outside the tube and adjacent a wall thereof and in the path of neutrons from said source, a luminescent mass located outside the vacuum tube and adjacent said wall, said mass being exposed to and capable of being energized by charged particles liberated by the neutron reactive layer, a reflecting surface capable of transmitting charged particles liberated by the neutron reactive layer and reflecting the radiation liberated by the luminescent mass, said surface being positioned on the side of said mass opposite that nearest to the wall of the tube, a photosensitive layer within said vacuum tube adjacent said wall, said layer being capable of liberating slow electrons under the action of the radiation transmitted through said wall, means for accelerating said slow electrons, an electron-sensitive screen and an electron optical system for focusing the electrons, after acceleration, on said screen.

2,344,043

METHOD AND DEVICE FOR DEPICTING OBJECTS BY MEANS OF NEUTRONS OR X-RAYS

Hartmut Israel Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany; vested in the Alien Property Custodian

Application July 3, 1941, Serial No. 401,039
In Germany March 4, 1940
8 Claims. (Cl. 250—65)



1. Method for obtaining an image of an object which comprises directing a beam of the depicting radiation upon the object, causing the emergent radiation to impinge upon an image converter sensitive to said depicting radiation, to release secondary electrons collecting said electrons with the aid of an electron optical system to produce an image of the object reduced in size on a fluorescent screen and enlarging said image reduced in size.

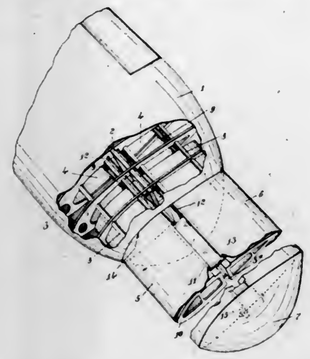
2,344,044

AIRCRAFT WING

Rudolf Koch, Berlin-Grunau, Germany; vested in the Alien Property Custodian

Application March 15, 1941, Serial No. 383,475
In Germany April 26, 1940
1 Claim. (Cl. 244—43)

In an aircraft wing: a main wing having a central longitudinal spar assembly which extends substantially the length of the wing from the upper surface to the lower surface thereof, said wing also having two recesses to the front and rear respectively of said spar assembly; a wing extension telescopically related to said main wing at the extremity thereof and including, two wing sections positioned respectively in front of and to the rear of said spar assembly and adapted to be moved longitudinally between a position where the respective wing sections are nested within said recesses in said main wing and a position wherein the wing extension forms an extension of said main wing, said wing sections being spaced from each other so as to move upon opposite sides of the longitudinal spar whereby there is a gap between the wing sections when the extensible wing is extended; yielding strip means carried by said wing extensions and adapted to slide over said gap when said wing extension moves to the



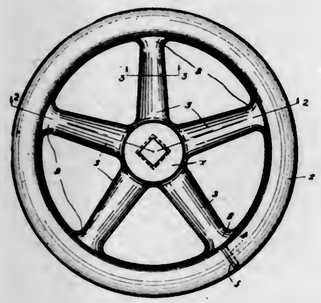
extended position; a plurality of stringers within said main wing parallel to said spar and respectively above and below said wing sections when said wing sections are nested within said main wing; rollers carried by said stringers to facilitate the longitudinal movements of said wing extensions; and a wing tip cap carried by said wing sections at their extreme ends and forming a cap for the aircraft wing.

2,344,045

VALVE WHEEL

Frank E. Kochenderfer and Clarence V. Shriver, Spokane, Wash.

Application August 29, 1942, Serial No. 456,684
1 Claim. (Cl. 74—552)



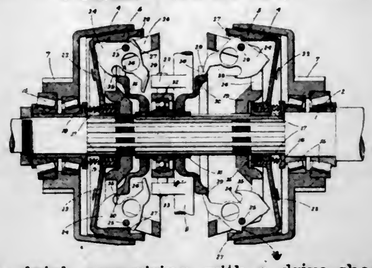
A valve wheel comprising a hub having a stem-receiving socket, a circular rim of tubing, and spokes extending radially between the hub and the rim, said spokes being formed of sheet metal and of transversely arcuate concavo-convex formation in cross section with their convex surfaces uppermost, lower edge portions of side walls of the spokes being turned inwardly to form inwardly curving marginal portions at opposite sides of open under portions of the spokes, inner ends of the spokes being welded to sides of the hub and outer end portions of said spokes being flared outwardly and upwardly and terminating in arcuate end edges welded against inner side portions of the rim.

2,344,046

CLUTCH AND POWER TRANSMISSION UNIT

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation

Application June 9, 1942, Serial No. 446,340
7 Claims. (Cl. 192—66)



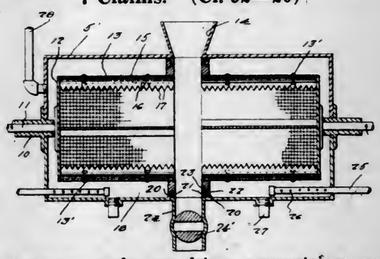
1. A clutch comprising, with a drive shaft, a pair of cooperating clutch elements on the shaft normally turnable relative to each other, means mounting one element for axial movement on the shaft toward and from the other element, a carrier mounted on the shaft separate from the elements and normally rotating with the one element and disposed on the side thereof opposite the other element, dogs pivoted in the carrier and extending radially thereof, each dog having a face radially out from its pivot to engage a radial surface on the one element and shift the latter toward the other clutch element upon swinging of the dog about its pivot in one direction, and manually controlled means mounted on the shaft to thus swing the dogs.

2,344,047

PULP MACHINE

John C. Lowe, Quakertown, Pa., assignor of one-half to Harmer R. Lutz, Borough of Sellersville, Pa.

Application May 27, 1941, Serial No. 395,457
7 Claims. (Cl. 92—20)



1. A paper pulp machine comprising an imperforate cylindrical casing and a pair of perforate drums rotatably mounted in the casing in longitudinally spaced relation to each other, said drums being open at their adjacent ends and oppositely rotated for causing a circulation of the mix in the drums from one to the other through the open ends thereof.

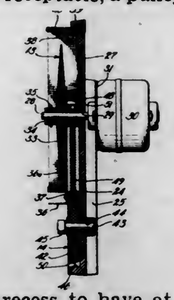
2,344,048

AIR CONDITIONING APPARATUS

William M. Marker and Roy L. Brown, Los Angeles, Calif., assignors to Trade-Wind Motorfans, Inc., Los Angeles, Calif., a corporation of California

Application September 3, 1941, Serial No. 409,382
3 Claims. (Cl. 261—90)

1. In apparatus of the character described, a liquid receptacle, a supporting body having a lower part in the receptacle and having a recess in one side extending upwardly from the receptacle, a sprayer disc rotatably supported by the body above the receptacle, a pulley rotatably supported in the recess to have at least a portion immersed in the liquid of the receptacle, and a belt running in the recess and operating between the disc and pulley for elevating the liquid to the disc.

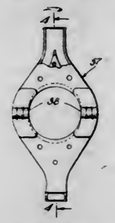


2,344,049

SHUTTLE SLIDER

Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.

Application November 24, 1942, Serial No. 466,740
16 Claims. (Cl. 24—205)



6. A device for supporting stringers of separable fasteners in spaced relationship to each other while maintaining end portions of the stringers in coupled relationship, said device comprising a large slider body having an opening centrally thereof, side portions of said body having channels for receiving and guiding the links of the stringers when supported, by said body, in spaced relationship to each other, end portions of said body being contracted, means at said end portions for couplings and uncoupling the links of the stringers and for guiding the links into said channels, and means centrally of the side portions of said body for hingedly coupling the end portions thereof to provide relative movement of said end portion.

2,344,050

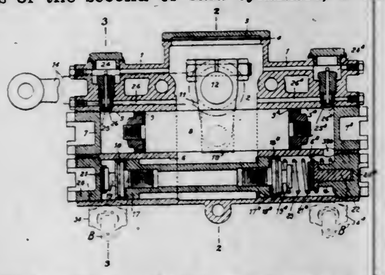
HYDRAULIC DAMPING AND STABILIZING DEVICE

André Adolphe Morton, Paris, France; vested in the Alien Property Custodian

Application June 5, 1941, Serial No. 396,778
In France May 9, 1940
3 Claims. (Cl. 267—11)

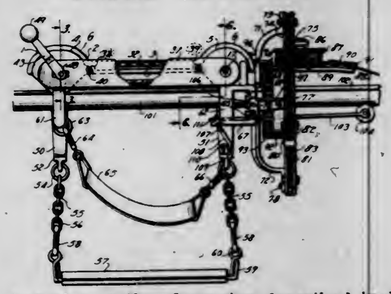
1. In a stabilizing and damping system of the type described, for vehicles comprising a suspended and a nonsuspended part, in combination, at least two similar hydraulic devices arranged on either side of the longitudinal axis of the vehicle and comprising each a hollow body forming an oil tank in its central part and provided with two bores forming two superposed cylinders, means connecting this hollow body to the suspended part of the vehicle, a movable

piston in the first of said cylinders, means connecting this piston to the nonsuspended part of the vehicle, connections connecting the outer chambers of the other of said cylinders, two by two and crosswise, with the outer chambers of the corresponding cylinder of the other hydraulic device, said body having channel connections connecting the outer chambers of the first of said cylinders with the second of said cylinders, an adjustable damping valve in the last mentioned connections, stops provided on the bottoms of the second of said cylinders, a closing



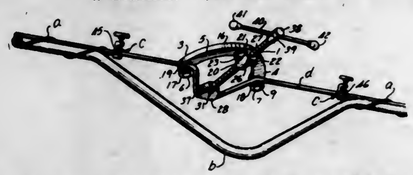
piston sliding in the bore of the second of said cylinders, stops provided on the ends of said closing piston and adapted to come into contact respectively with one or the other stop of said second cylinder according as to whether the suspended part and the nonsuspended part of the vehicle remain fixed with respect to one another or move relatively to one another with an amplitude greater than a predetermined value, two compensating valves respectively connecting the outer chambers of the first of said cylinders with said oil tank, and of which one or the other is adapted to stop this connection according to the direction of movement of the suspended part with respect to the nonsuspended part of the vehicle.

2,344,051
CABLE CAR AND SPINNER ATTACHMENT
Dory J. Neale, Topeka, Kans.
Application February 13, 1941, Serial No. 378,744
9 Claims. (Cl. 175—376)



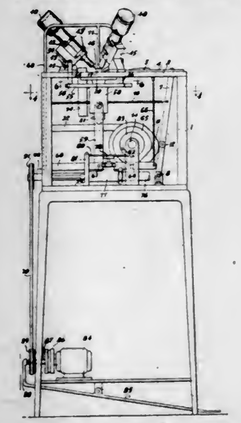
1. A device of the character described including, a frame, cable engaging wheels carried by the frame, a crank supported at one side of the frame and having rotative connection with at least one of said wheels, a seat suspended from the frame, a spinning mechanism having a spinning head, a gear on the spinning head, a countershaft adjustably supported on the frame, a gear on the counter-shaft meshing with the gear on the spinning head, a second gear on the countershaft, and means operatively connecting said second named gear with said crank.

2,344,052
SLACK PULLER
Dory J. Neale, Topeka, Kans.
Application December 5, 1941, Serial No. 421,827
2 Claims. (Cl. 24—71.1)



1. A device for drawing slack in a cable lashed to a supporting strand including, an arch-shaped member having a substantially flat side face and diverging ends, spindles carried by said ends and projecting laterally from said side face, grooved rollers journalled upon the spindles to engage a cable supporting strand intermediate a space from which the cable lashing wire has been removed, an internally threaded bearing carried by said member on the same side thereof as the rollers and intermediate said ends, a threaded shaft engaging the threads of the bearing, a strand-engaging shoe swivelled on said shaft and having a grooved face adapted to engage the side of the strand opposite that engaged by the rollers, and means on said shaft for rotating the shaft to project a bight in said strand to draw slack in the cable, said bight of the strand applying a force on the rollers substantially parallel with the ends of the arch-shaped member, thereby placing the arch-shaped member in tension.

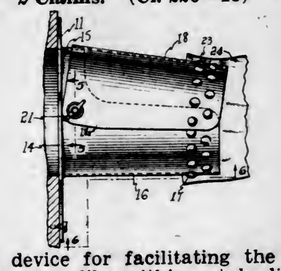
2,344,053
AUTOMATIC DRILLING MACHINE
James S. O'Callaghan, Marblehead, Mass.
Application April 27, 1942, Serial No. 440,745
6 Claims. (Cl. 77—26)



1. In an automatic drilling machine for drilling holes in objects held clamped in successive order, the combination comprising, the frame of the machine with top having an opening in it, a clamping head in fixed connection to said top and bridging said opening in spaced relation thereto, a slide by which the objects to be drilled will be successively deposited over said opening beneath said clamping head, means for reciprocating said slide including a cam, a reciprocating plunger including a part movable through the opening in said top for clamping said objects when deposited as aforesaid and for releasing

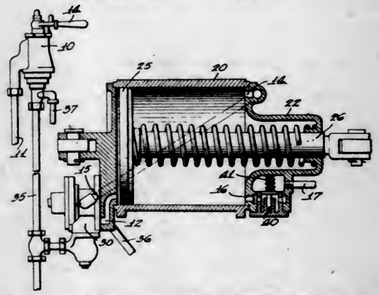
them as said plunger is reciprocated, means for reciprocating said plunger including a cam, a power drill arranged upon said top in position to drill said objects successively held clamped when said power drill is projected from a retracted position, means for projecting said power drill and for effecting its return including a cam, means for removing said objects each from its clamped position after the drilling and release thereof including a cam, a common shaft bearing all of said cams, means for arranging the cams upon said shaft whereby they will operate successively in proper timed sequence during a single rotation of said shaft, and means for turning said shaft.

2,344,054
ATTACHMENT FOR HAM STUFFING PRESSES
John Opie, Chicago, Ill.
Application February 1, 1941, Serial No. 376,977
2 Claims. (Cl. 226—18)



1. In a device for facilitating the insertion of a ham or the like within a tube-like covering, a substantially flat mounting plate having a passage through which a food body may be passed; an annular angular extending flange integral with said plate; a substantially semi-cylindrical lower lip projecting outwardly from said flange; a substantially semi-cylindrical upper lip member pivotally mounted at one end thereof to said lower lip and having its lateral edges normally overlapping the lateral longitudinal edges of said lower lip, said upper lip member being pivoted to permit selective positioning thereof into downwardly and outwardly inclined positions to define a frustum shaped passage therethrough, and spaced blunt projecting elements on the outer surface of said lower and upper lips adapted to engage a tube-like covering.

2,344,055
DUST PROTECTOR FOR CYLINDERS
Alden E. Osborn, Mount Vernon, N. Y.
Application November 7, 1941, Serial No. 418,241
3 Claims. (Cl. 303—68)



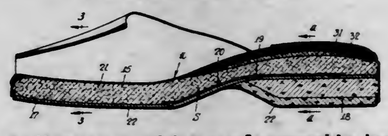
1. The combination of a cylinder having a cover at each end and containing a piston operated by air pressure, a piston rod extending thru one said cover of said cylinder and connecting said piston and the mechanism to be operated by the movement thereof, a chamber formed in said cover thru which said rod extends and separated by a wall of said cover from the interior of said cylinder, controlling means for the admission and emission of air from the opposite end of said cylinder from that from which said piston rod extends, and a connection between an exhaust outlet of said controlling means and the chamber around the piston rod whereby air emitted from said exhaust outlet of said controlling means is conducted into said chamber to develop an air pressure in said chamber greater than that of the surrounding atmosphere when said controlling means is moved to cause the said emission of air from the opposite end of said cylinder from said piston rod.

2,344,056
DRAIN VALVE TANK FITTING
Francis J. Pepersack, Towson, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application February 27, 1942, Serial No. 432,699
6 Claims. (Cl. 285—49)



1. In combination with a liquid fuel or lubricant tank cell comprising one or more layers of rubber-like material subject to cold flow and having an opening through the wall thereof, a relatively undeformable ring closely fitted within the cell opening and sealed thereto, the outer peripheral face of the ring having a width appreciably less than the unstressed thickness of the adjacent rubber-like cell material, and one of the end faces of the ring being centrally inclined to a narrower inner peripheral face; a valve housing extending through the opening of the tank cell, the valve housing having an outwardly extending flange; and a detachable member secured to the valve housing in spaced relation to its flange, the flange of the valve housing and the detachable member being complemental to the respective adjacent end faces of the ring and formed and arranged to exert clamping pressure thereon.

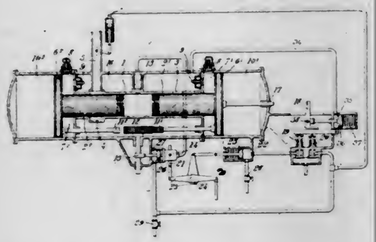
2,344,057
FOOTWEAR
Sal Pepitone, New York, N. Y., assignor, by mesne assignments, to La Marquise Footwear, Inc., a corporation of New York
Application December 24, 1941, Serial No. 424,253
7 Claims. (Cl. 36—28)



1. A slipper comprising a sole assembly, including an undersole, having a binding stitched about the peripheral edge thereof, a reinforced sole body encompassed by said binding, said binding having zigzag stitching about the free periphery thereof, a drawstring retained by said zigzag stitching and being taut and thereby retaining the edge of the binding inward in superposed re-

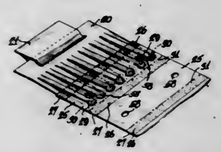
lation over the sole body, a sponge-rubber heel cushion over the heel of said sole body, and having a narrower underlying strip of fibre and a fabric upper including an insole superposed over the sole assembly, and having an edge overlapping and peripherally stitched in place to the binding, said insole being thereby maintained stretched over the rubber cushion throughout the entire width of said heel, the lateral edge of said cushion being compressed under the tension of said stitching.

2,344,058
FREE PISTON MACHINE
Raul Pateras Pescara, Estoril, Portugal, assignor of one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland, a society of Switzerland
Application March 7, 1942, Serial No. 433,803
In Luxemburg August 4, 1939
18 Claims. (Cl. 123—46)



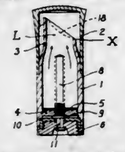
1. A free piston machine which comprises, in combination, a stationary frame, at least one reciprocating element movable with respect to said frame with an amplitude of movement variable, within given limits, in accordance with the motive action exerted on said element, means for exerting successive actions on said element in one direction, and a pneumatic energy accumulator cooperating with said reciprocating element for returning it in the other direction, said accumulator being adapted to absorb the whole of the work produced during a motive stroke of said reciprocating element of an amplitude higher than the maximum amplitude admissible under normal running conditions of the machine.

2,344,059
MATCH PACKET AND METHOD OF MAKING IT
Rodney S. Pullen, Akron, Ohio
Application August 20, 1941, Serial No. 407,541
15 Claims. (Cl. 206—29)



1. In a pull and light match packet having a cover and a bale inside the cover, two rows of staggered matches within the bale, an insert strip between the two rows carrying scratcher material and retarding means for opposing movement between one of the rows of matches and the strip, comprising impaled material from the strip entering into the matches.

2,344,060
COSMETIC HOLDER
Harry S. Ray, New York, N. Y., assignor to Raynoldy Corporation, New York, N. Y., a corporation of New York
Application June 28, 1941, Serial No. 400,260
3 Claims. (Cl. 15—137)

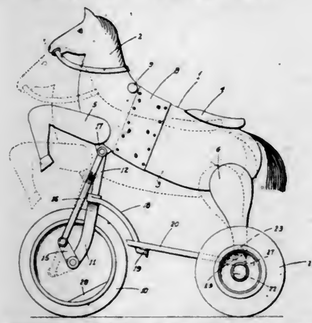


1. A lipstick device comprising a body which has a longitudinal axis, said body having an extrusion nozzle at one end thereof, said extrusion nozzle having a longitudinal axis which is inclined to the longitudinal axis of the body, said extrusion nozzle having a mouth whose rim is located in a plane which is substantially perpendicular to the axis of said extrusion nozzle, said body having a piston located therein, means adapted to move said piston towards said extrusion nozzle, said body having an extrudible lipstick filling which has been solidified in situ, said rim having a major axis and a minor axis, the length of said minor axis being substantially 83% of the length of said major axis, the thickness of said rim being substantially between .015 inch–.05 inch, said rim being wholly free and wholly exposed and shaped for direct contact with the lip of the user, said piston extruding said filling out of said nozzle with the free face of said filling substantially parallel to said rim.

2,344,061
PREPARATION OF 1-CHLORO-1-FLUORO ETHYLENE
Mary W. Renoll, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 19, 1940, Serial No. 346,345
3 Claims. (Cl. 260—653)

1. A process for preparing 1-chloro-1-fluoroethylene comprising removing the bromine atom and one chlorine atom from 1-bromo-2,2-dichloro-2-fluoro-ethane by subjecting said compound to the action of zinc in the presence of anhydrous ethanol.

2,344,062
CHILD'S VEHICLE
Roscoe J. Rinehart, Isleton, Calif.
Application October 31, 1941, Serial No. 417,281
6 Claims. (Cl. 280—1.13)

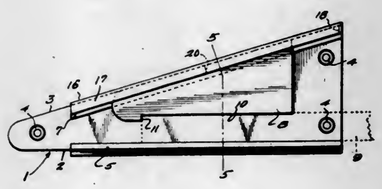


1. A child's vehicle comprising a rear wheel assembly including transversely spaced wheels, a centrally disposed front wheel, a longitudinal body disposed above said wheels, means pivoting the body adjacent its rear end on the rear wheel assembly for rocking movement of said body in a vertical plane, means connecting the front wheel with the rear wheel assembly in unitary but steerable relation thereto, the body being articulated intermediate its ends for lateral hinging movement, means connecting the front wheel with the forward portion of the body for unitary steering movement while permitting alternate relative separating and approaching movement thereof, and means between the body and front wheel to rotate the latter upon such alternate movement.

2,344,063
WEED-DESTROYING PREPARATION
Herbert Schotte, Berlin-Charlottenburg, and Robert Ebert, Berlin-Halensee, Germany; vested in the Alien Property Custodian
No Drawing. Application July 11, 1941, Serial No. 401,974. In Germany August 24, 1940
4 Claims. (Cl. 167—45)

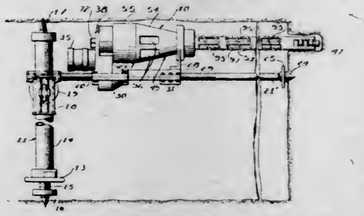
1. A weed-destroying preparation whose active ingredient consists essentially of a water-soluble urea double compound of 2,6-dichloro-4-nitrophenol.

2,344,064
BENCH CLAMP
Clarence Henry Schueler, Portsmouth, N. H.
Application May 7, 1942, Serial No. 442,062
2 Claims. (Cl. 144—307)



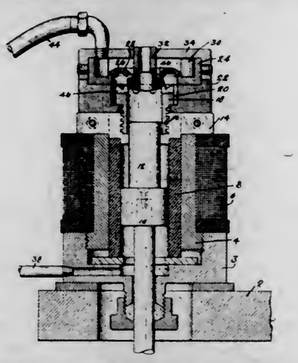
1. A bench clamp comprising a substantially triangular flat plate constituting a work supporting and parts assembling base, said plate being provided along one longitudinal edge with an upstanding guide and abutment constituting a relatively fixed work guiding and assembling jaw, a fixed rib mounted along an opposed longitudinal edge on said base plate, said rib being provided along its inner longitudinal edge with a tongue, the tongue and rib coacting to form a track, a movable jaw of wedge-shaped configuration slidable on said plate having a notch in one edge constituting a work engaging shoulder and provided along one longitudinal edge and in its underside with an undercut groove, said groove providing a track-way to receive said fixed rib and serving to slidably interconnect the movable jaw with the base, one top edge of said movable jaw being chamfered to provide a clearance bevel and a stop element intermediate the longitudinal dimensions of the movable jaw, a plate-like strip removably fastened along one edge of the base plate and rising in parallelism to said edge, said strip being provided with an inturned longitudinally extending flange overlying the adjacent edge portion of the movable jaw to assemble the parts, a stop element at one end of the strip and flange coacting with the bevel and stop shoulder on said movable jaw.

2,344,065
CUTTING OR DRILLING DEVICE
Charles E. Stoltz, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 27, 1941, Serial No. 400,051
16 Claims. (Cl. 262—28)



1. In a drilling device, a bit carrying cutter chain, an elongated casing open at its forward end and forming a guide means for said cutter chain, means for rotatably driving said casing about its longitudinal axis, a drive sprocket of a larger diameter than the inside diameter of said casing, for driving said cutter chain, and means for guiding said cutter chain from said drive sprocket into said casing and for movement within said casing and beyond the forward end thereof, for cutting a round hole upon rotatable movement of said casing about its longitudinal axis.

2,344,066
METHOD OF AND APPARATUS FOR PRODUCING CUTTING AND ABRADING ARTICLES
Rutherford H. Taylor, Millburn, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York
Application August 4, 1942, Serial No. 453,546
14 Claims. (Cl. 22—122)

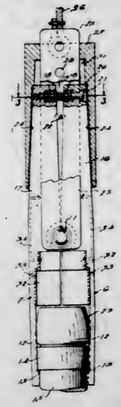


1. The method of forming a metal matrix with cutting and abrading particles embedded therein, which method comprises confining the particles in a mold and then introducing molten metal into the mold from beneath the particles.

2,344,067
GRIPPING AND RELEASING DEVICE
Clinton L. Walker, Piedmont, Calif.
Application March 27, 1942, Serial No. 436,484
3 Claims. (Cl. 294—116)

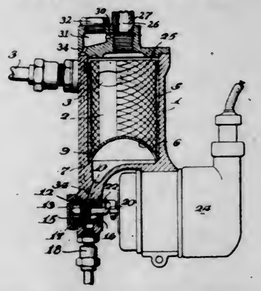
1. A gripping and releasing device including, in combination, a tong element having gripping jaws at one end, a spring for urging said jaws into gripping position, and a locking element

having a shoulder resting on the end of the tong remote from the jaw end for sliding over said



end and retaining the jaws apart after said jaws have moved out of gripping position and said ends have moved together.

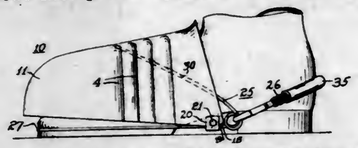
2,344,068
PURIFIER AND OIL SEPARATING APPARATUS
Charles Raymond Waseige, Rueil, France; vested in the Alien Property Custodian
Application April 16, 1941, Serial No. 388,877
In France April 30, 1940
3 Claims. (Cl. 183—63)



1. A purifier and oil separating device for compressed air and other gases including a cylinder, a hollow cylindrical body having radial perforations on its side walls and provided with a spiral groove in the external face of its wall and rotatably fitted within said cylinder, oil discharge means from said cylinder, said hollow body having a perforated bottom, means for supplying the gas to be purified into said hollow body through said perforated bottom, and means for rotating said hollow body.

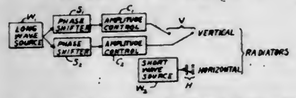
2,344,069
FOOT GUARD
Harry N. Wasser, Ellwood City, Pa., assignor to Ellwood Safety Appliance Company, Ellwood City, Pa., a corporation of Pennsylvania
Application November 3, 1941, Serial No. 417,687
10 Claims. (Cl. 36—72)

1. A toe and foot guard comprising an arched metal shell body shaped to fit over the toe and instep of a shoe-encased foot of the wearer; resilient means for supporting the shell body on the shoe, comprising a resilient contour loop fitting onto the shoe at the toe of the sole, and a resilient loop pivoted on the shell on an axis below the foot instep and operative to hold the shell



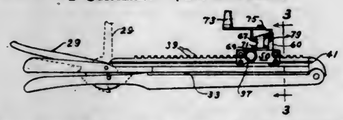
front end slightly elevated above the floor at the toe; and a quickly attachable and detachable means to permit the guard to be readily attached to, and detached from, the shoe.

2,344,070
RADIO SYSTEM FOR LANDING AIRCRAFT
Herbert Paul Williams, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application April 9, 1942, Serial No. 438,297
In Great Britain January 2, 1941
6 Claims. (Cl. 250—11)



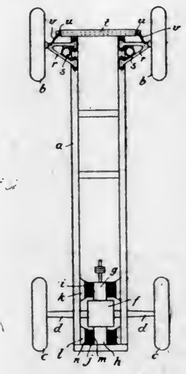
1. In a radio glide path system for guiding the landing of aircraft, means, including a first transmitter for radiating a long wave radiation pattern in which the wave is approximately vertically polarized and the field strength varies inversely as the distance from the transmitter, and means including a second transmitter in approximately the same place as said first transmitter, for radiating a short wave pattern in which the wave is horizontally polarized and the field strength varies inversely as the square of the distance from the transmitter, said transmitters being adjusted to produce overlapping patterns containing a glide path defined by a line on which said long and short waves have a predetermined comparative strength for guiding the aircraft.

2,344,071
SURGICAL STITCHING APPARATUS
Gerald A. Wilson and Lyman E. Spencer, Detroit, Mich.
Application October 5, 1942, Serial No. 460,740
4 Claims. (Cl. 1—49.1)



1. Surgical stitching apparatus comprising, two elongated clamp members pivotally joined at one end for clamping together dissected tissues along the edges of an incision to be stitched, a row of staple slots aligned along each side of one of the clamp members, each of the staple slots being elongated parallel to the elongated dimension of the clamp member and of a size suitable for receiving a clinch staple, a stitching head for stitching tissues, cooperatively engaging means on said head and on one of the pivoted clamp members for holding the head slidably thereon, a pair of plungers movably disposed in the head, said plungers being shaped and positioned in each side of the head for driving staples through adjacent slots, position determining surfaces on the clamping member carrying the head for positioning the head and plungers in alignment with the staple slots, and manually operative means on said head for actuating the plungers and for controlling the movements of the head along said clamping means.

2,344,072
VEHICLE HAVING OSCILLATING HALF AXLES
Otto Winkelmann, Stuttgart-Degerloch, Germany; vested in the Alien Property Custodian
Application October 8, 1941, Serial No. 414,042
In Germany June 6, 1940
5 Claims. (Cl. 180—73)



1. In a vehicle having a frame, an axle aggregate including pivoted half-axles and a central member on which said half-axles are pivoted, and means for resiliently mounting said central member from the frame including bearing eyes depending from the frame, projections on said member extending longitudinally of the vehicle into said bearing eyes, and rubber cushions encircling said projections and fitting within said bearing eyes.

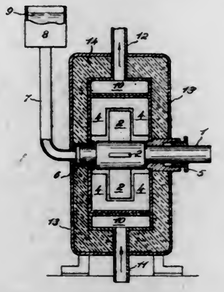
2,344,073
METHOD OF MAKING ROOFING GRANULES
Stephen G. Wright, Chicago, Ill.
No Drawing. Application September 22, 1941, Serial No. 411,933
7 Claims. (Cl. 25—156)

1. The method of forming a roofing granule which comprises partially baking natural clay in lumps to produce a temperature of at least 1200° F. in the clay, fracturing the partially baked lumps into granules of a suitable size for roofing, and completing the baking of the granules.

2,344,074
PROCESS FOR MANUFACTURING LITMUS DYESTUFFS
Haruyo Asahina, Kawaraki-Mura, Japan; vested in the Alien Property Custodian
No Drawing. Application December 12, 1940, Serial No. 369,909. In Japan January 15, 1940
4 Claims. (Cl. 260—333)

1. The process of preparing an indicating dyestuff consisting of treating 1,4-dimethylresorcin with ammonia in the presence of a stronger base taken from the group consisting of alkali metal hydroxides and carbonates.

2,344,075
APPARATUS FOR TRANSFORMING MECHANICAL ENERGY INTO HEAT
Alessandro Beldimano, Rome, Italy; vested in the Alien Property Custodian
Application March 29, 1940, Serial No. 326,790
In Germany April 3, 1939
3 Claims. (Cl. 122—26)



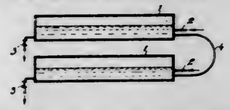
1. Apparatus for transforming mechanical energy into heat energy comprising, a drum, a driven shaft rotatable in said drum, radial blades carried by the shaft within the drum, stationary blades within the drum having openings through which the radial blades move, a supply of liquid within the drum heated by agitation of the liquid by said blades, and means guiding a liquid along said drum in heat-exchange relationship therewith for withdrawing the heat from the drum.

2,344,076
PROCESS OF MAKING ORNAMENTAL FIGURES
Enrico Bonfiglioli, Bologna, Italy; vested in the Alien Property Custodian
Application March 16, 1940, Serial No. 324,426
In Italy December 10, 1934
1 Claim. (Cl. 47—58)



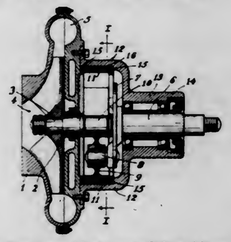
A method of producing ornamental figures from live Polypodium fern plants consisting in shaping a wire member to correspond substantially with the desired figure, arranging a plurality of the rhizomes of ferns of the Polypodium genus lengthwise along said wire member in side by side relation and with some of the rhizomes laterally overlapping other rhizomes, and binding the rhizomes and wire member with a ligature into a substantially cylindrical bundle, the ligature being tightened enough to produce and maintain intimate contact between adjacent rhizomes.

2,344,077
HIGH-PRESSURE STEAM GENERATOR
Walter Bredtschneider, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
Application August 2, 1940, Serial No. 349,853
In Germany November 8, 1939
1 Claim. (Cl. 122—31)



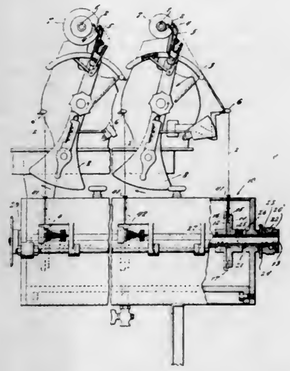
In a high pressure steam generator comprising a plurality of boiler drums, a pipe connecting the drums below the normal water level, and adapted to maintain equal water levels in said drums by the passage of water through said pipe, a second pipe entering each of said drums adapted to supply feed water to said drum, and a valved pipe leading from each of said drums and adapted to discharge from each of said drums impurities accumulated therein, the points of entrance of the first mentioned and the second mentioned pipes of each of said drums being closely adjacent, and the point of exit of the valved pipe being remote from the other two points.

2,344,078
TRANSMISSION
Pierre Brissonnet and Gaston Alfred Durand, Paris, France; vested in the Alien Property Custodian
Application February 12, 1941, Serial No. 378,638
In Luxemburg May 23, 1939
1 Claim. (Cl. 74—302)



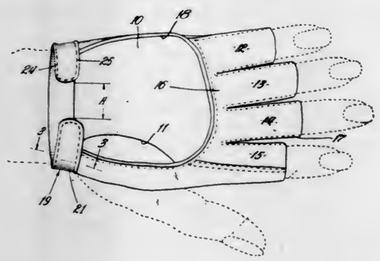
In a transmission, the combination of a journal; a peripheral flange on one end of said journal; an annular seat on the end of said flange; a cylindrical wall extending from said flange at the outer periphery of said seat; a driving shaft mounted in the said journal; a disc mounted on the end of said shaft and having a plurality of stub shafts thereon; a roller loosely journaled on each stub shaft; a deformable ring adapted to be introduced between the rollers and the wall by displacing the rollers inwardly on the stub shafts; a closure plate bolted to the outer end of said wall and provided with a centrally disposed journal; a driven shaft mounted in said journal; a roller on the end of said driven shaft; a ring received on said seat between the deformable ring and the flange; and a second ring disposed between the deformable ring and the plate, the parts being so designed that when the plate is applied to the wall, the driving and driven shafts are aligned and the roller on the driven shaft, being introduced between the rollers on the stub shafts, displaces them outwardly to force them against the deformable ring, and the deformable ring is gripped between the other two rings by the drawing of the plate against the wall by the bolting operation.

2,344,079
MECHANISM FOR WAXING THREAD
Alfred Burgeni, East Orange, and Roy L. Keown, Belleville, N. J., assignors to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
Application January 28, 1941, Serial No. 376,344
9 Claims. (Cl. 91—51)



1. In a mechanism for waxing thread, a waxing device and means for drawing thread past said device, said device comprising wax-applying elements movable transversely of the path of the thread as it passes through the device, said elements contacting with the thread at points spaced apart circumferentially of the thread, and means for applying wax to said elements.

2,344,080
WRIST SPRUNG GLOVE
Kenneth L. Burgett, Peoria, Ill.
Application October 23, 1940, Serial No. 362,352
1 Claim. (Cl. 2—162)

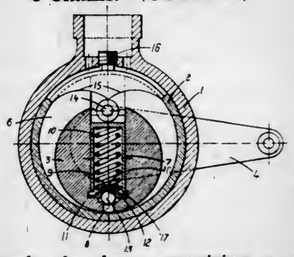


A golfer's glove comprised of an unbroken palm section having finger extensions at one end and side portions extended upwardly toward the back of the hand, a back portion having an opening extended substantially from the wearer's knuckles to the wrist and across the back of the hand, and an open flat metal band attached at the wrist end of the palm section, with the ends of the metal band being substantially spaced apart at the back of the wearer's hand, the length of said palm section being such that said metal band is positioned to provide for a free movement of the wrist, said band on closing of the wearer's hand being spread open to stretch said palm section across the wearer's palm and prevent wrinkling thereof within the closed hand.

2,344,081
PROCESS FOR CAUSING LUMINESCENT SUBSTANCES TO ADHERE TO GLASS WALLS
André Claude, Paris, France; vested in the Alien Property Custodian
No Drawing. Application March 29, 1940, Serial No. 326,801. In Switzerland March 29, 1939
7 Claims. (Cl. 117—34)

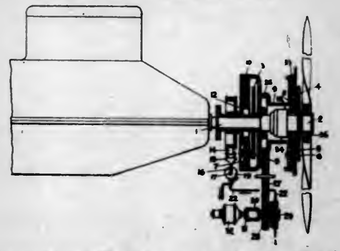
1. The method of coating the surface of a glass wall with finely divided fluorescent material which comprises forming a suspension containing the fluorescent material, a volatilizable binder comprising a cellulosic ester dissolved in a volatile solvent, and an acid selected from the group consisting of boric, phosphoric, arsenic and antimonic acids, applying a coating of the suspension to the surface of the glass wall, and then firing the glass wall to burn out and volatilize the binder.

2,344,082
SHOCK ABSORBER
Georges Henri Ernest de Ram, Boulogne-sur-Seine, France; vested in the Alien Property Custodian
Application May 7, 1940, Serial No. 333,847
In France May 12, 1939
3 Claims. (Cl. 267—8)



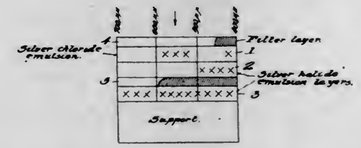
1. A shock absorber comprising a casing, a member movably mounted in said casing having a bore and a circumferential eccentric groove to provide a chamber adapted to contain liquid, a single spring urged piston movable in the bore of said member, a double cam provided in the casing and disposed in the groove for controlling displacement of the piston, and valve controlled orifices affording access and escape of liquid to and from said bore in dependence upon the movement of the piston.

2,344,083
ENGINE STARTING APPARATUS
Reinhold Freitag, Stuttgart-Unterturkheim, and Will Stoeckicht, Solln, near Munich, Germany; vested in the Alien Property Custodian
Application October 6, 1937, Serial No. 167,568
In Germany October 10, 1935
22 Claims. (Cl. 123—179)



1. In an aircraft having an internal combustion engine and a propeller for driving the aircraft, in combination, a sun wheel and means for connecting the same to said propeller, starting means for initiating rotation of said sun wheel, a drive shaft for said engine, planetary gearing interconnecting said sun wheel and said drive shaft, adjustable braking means on said planetary gearing for controlling the action of the propeller and the starting means upon said drive shaft, and an overrunning clutch between said drive shaft and said sun wheel.

2,344,084
LIGHT-SENSITIVE MATERIAL FOR COLOR PHOTOGRAPHIC PURPOSES AND METHOD OF USING THE SAME
Béla Gáspár, Brussels-Forest, Belgium, assignor to Chromogen, Incorporated, a corporation of Nevada
Application September 24, 1937, Serial No. 165,598
In Germany October 2, 1936
18 Claims. (Cl. 95—2)



1. A multi-layer light-sensitive photographic material comprising a silver chloride front emulsion sensitive to light having a wave length longer than the blue waves and screened against the action of short wave blue-violet light, and another silver halide emulsion behind said silver chloride emulsion which is sensitive to long wave blue light.

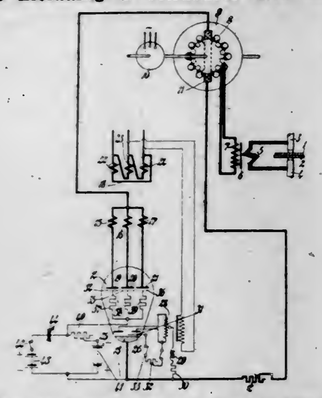
2,344,085
PROCESS FOR THE POLYMERIZATION OF ALKOXY-BUTADIENES
Paul Halbig, Freiburg, Switzerland, and Friedrich Matthias and Alfred Treibs, Munich, Germany; vested in the Alien Property Custodian
No Drawing. Application August 23, 1940, Serial No. 353,982. In Germany August 24, 1939
2 Claims. (Cl. 260—78)

1. The process of producing a plastic composition which comprises polymerizing the ethers of hydroxy-1-butadiene together with maleic anhydride.

2,344,086
WELDING CONTROL SYSTEM
Gerhard Hagedorn, Berlin-Lichterfelde, Erwin Luxer, Berlin-Sudende, and Ernst-Günther Wahl, Berlin-Steglitz, Germany; vested in the Alien Property Custodian
Original application June 14, 1939, Serial No. 279,218, now Patent No. 2,234,117, dated March 4, 1941. Divided and this application February 4, 1941, Serial No. 377,407. In Germany June 18, 1938
2 Claims. (Cl. 171—119)

1. A welding control system comprising, a welding transformer, a relatively high frequency generator supplying current to said transformer, a field winding for said generator, a source of alternating current and a circuit for exciting said field winding, a gaseous discharge tube having a cathode and an anode connected in said circuit for controlling the excitation of said generator, an auxiliary anode in said tube, an auxiliary transformer connected to said alternating

current source, means connecting said auxiliary anode to said transformer for establishing an auxiliary discharge between the cathode and the auxiliary anode, a grid in said tube, a grid circuit including a condenser and means for



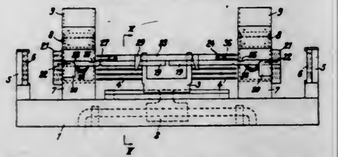
charging said condenser to bias said grid positively with respect to said cathode, and a source of direct current associated with said grid circuit for biasing the grid negatively with respect to the cathode.

2,344,087

APPARATUS FOR FEEDING ROD-SHAPED ARTICLES ONTO DIPPING PLATES

Alfred Hetz, Stein, near Nuremberg, Germany; vested in the Alien Property Custodian

Application January 28, 1941, Serial No. 376,394
In Germany June 8, 1940
5 Claims. (Cl. 214—1)



1. Apparatus for feeding rod-shaped articles into openings in a dipping plate comprising, a hopper for receiving the rod-shaped articles and having openings in opposite walls thereof, a plurality of mandrels mounted for movement through said openings, and a plate having openings therethrough for guiding the rod-shaped articles from the hopper into openings in the dipping plate.

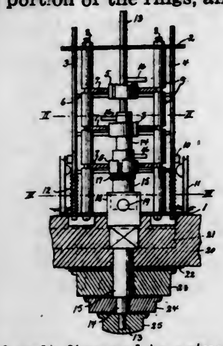
2,344,088

PERMUTATION AND ALARM LOCK

Einer Eiby Andersen Hinnerfeldt, Kirkehoerup, Als, Denmark; vested in the Alien Property Custodian

Application September 6, 1939, Serial No. 293,586
In Denmark October 19, 1938
2 Claims. (Cl. 200—55)

1. In a permutation lock, the combination of a plurality of coaxially disposed and independently rotatable but not axially displaceable shaft members, a flat and longitudinally slitted ring member arranged slidable on each shaft, rods arranged longitudinally displaceable parallel to the axis of the said shafts, means for attaching the ring members to the said rods, a radially extending pin attached to the one end of each shaft member adjacent the ring on the shaft, permutation means attached to the other end of each shaft member for adjustment of the pins in relation to the slitted portion of the rings, and a contact lug



on the said rods disposed to actuate a switch device upon displacement longitudinally of the rods when any of the pins does not register with the slitted portion of the adjacent ring.

2,344,089

SEPARATION OF FATTY ACIDS FROM ROSIN ACIDS

Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware

No Drawing. Application April 23, 1940, Serial No. 331,159
11 Claims. (Cl. 260—97.5)

1. The process of treating tall oil comprising in dissolving the tall oil in a liquefied, normally gaseous, hydrocarbon, warming the solution until a rosin phase starts to precipitate, maintaining the temperature constant until the rosin phase, which will include most of the tar and pitch, is separated from the hydrocarbon solution, cooling the hydrocarbon solution until nearly all the rosin has precipitated as a solid, separating the solid rosin from the hydrocarbon solution, and distilling the solution to recover the hydrocarbon solvent and a fatty acid fraction.

2,344,090

MILK-PROTEIN GEL DESSERT AND METHOD OF PRODUCING THE SAME

Louis J. Huber and Lacey H. Evans, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware

No Drawing. Application November 30, 1940, Serial No. 367,918
14 Claims. (Cl. 99—139)

6. The method of making a milk-protein gel dessert which comprises adding to liquid milk from 3% to 10%, by weight, of a lactone which is capable of reacting with the milk to gradually yield, by hydrolysis, a weak, edible, organic acid, thereby precipitating the casein of the milk in the form of a homogeneous gel.

2,344,091

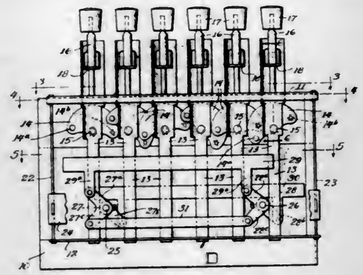
PUSH BUTTON OPERATING MECHANISM FOR PERMEABILITY TUNING PURPOSES

Martin J. Kirk, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application February 20, 1939, Serial No. 257,313
21 Claims. (Cl. 171—242)

21. A radio tuner including in combination, frame means including a front portion and a

back portion, a plurality of control units, with each of said control units including linearly movable first control means on said frame means and available for operation at the front portion thereof, additional control means supported on said frame means at the back portion thereof and movable in a linear direction, motion-transferring means intermediate said two lin-



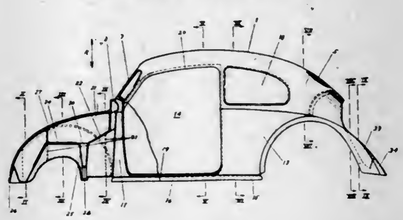
early moving means and operatively associating the same including means for converting linear movement into rotary movement in the motion-transferring means and then converting the rotary movement into linear movement in the additional linearly movable control means, and devices returning said first control means to its original condition after each operation and leaving said additional control means in its operated condition.

2,344,092

VEHICLE BODY

Erwin Komenda, Korntal-Stuttgart, Germany; vested in the Alien Property Custodian

Application July 6, 1939, Serial No. 283,011
In Germany August 25, 1938
18 Claims. (Cl. 296—31)



1. A vehicle body having a roof, windshield frame and cowl formed as an integral piece of artificial material, said cowl having side walls extending forwardly, and a forwardly downwardly extending transverse wall formed integrally with said cowl, and wheel housing panels formed integrally on each side of said transverse wall and extending upwardly inside said side walls of said cowl and integrally interconnected therewith at the top of said side walls to form a double-wall having a V-shaped cross-section.

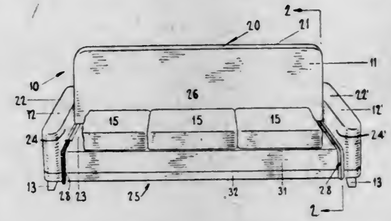
2,344,093

COMBINATION SLIP COVER

Julieann Kotowicz, Woodside, Long Island, N. Y.

Application January 13, 1941, Serial No. 374,197
3 Claims. (Cl. 155—182)

1. A slip cover for a convertible article of furniture having a sectional seat which may be extended to form a bed, comprising a main cover section for enveloping the back rest and side arms, said main cover section comprising a covering layer for the entire front face of said back rest, an auxiliary cover section integral with the bottom edge portion of said back rest covering layer, said auxiliary cover section being adapted to be extended over the seat or mattress and over the lower front face portion of said article of furniture, said auxiliary cover section being also adapted to be swung over said back rest for exposing said seat or mattress and said lower front face, said auxiliary cover section having fastener elements at opposite side edges, said main cover section having complementary detachable fastener elements adjoining said side arms and adapted to be interlocked with said



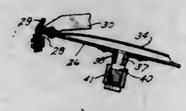
first mentioned fastener elements, the complementary fastener elements terminating above the seat level and respectively linearly directed in single planes, said fastener elements being located in their entirety in said planes along said side arms, said fastener elements being sufficiently elongated so as to connect both the lower front face portion and the seat covering portion of said auxiliary cover section to said main cover section, whereby said auxiliary cover section may be released from said main cover section and swung over said back rest, thereby giving access to said article of furniture for converting said article of furniture from day use to a sleeping bed without removing said main cover section therefrom.

2,344,094

JIG

Max Kraut, San Francisco, Calif., assignor to Southwestern Engineering Company, Los Angeles, Calif., a corporation of California

Application February 19, 1940, Serial No. 319,613
9 Claims. (Cl. 209—455)



9. In a jig having a stationary screen and a permeable bed of particles supported by said screen, the combination of: a movable pan positioned below said screen and having an outlet at the bottom thereof; imperforate expansible means connecting said pan to said screen extending approximately around their perimeters whereby is formed an enclosed space of variable volume between said pan and said screen; means for reciprocating said pan vertically; and a substantially fluid tight sheet of flexible material lying on the upper face of said pan and movable with respect thereto upon decrease of pressure in said space above said sheet due to downward movement of said pan whereby said pan may continue its downward movement without further decrease in said pressure.

2,344,095

THERAPEUTICALLY ACTIVE TETRAHYDROISOQUINOLINE COMPOUNDS AND PROCESS FOR THEIR PRODUCTION

Fritz Külz, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian

No Drawing. Application August 12, 1940, Serial No. 352,325. In Germany August 30, 1939
7 Claims. (Cl. 260—287)

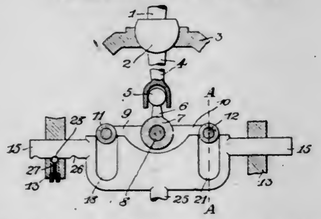
1. As new compounds tetrahydroisoquinoline compounds, which are substituted in the hydrogenated pyridine nucleus by an aliphatic radical, substituted by a phenyl radical and only in one benzene ring by at least two acyloxy (esterified hydroxy) groups.

2,344,096

OPERATING ARRANGEMENT, PARTICULARLY FOR CHANGE-SPEED GEARING FOR MOTOR VEHICLES

Theodor Kümmich, Stuttgart, Germany; vested in the Alien Property Custodian

Application July 19, 1939, Serial No. 285,333
In Germany July 23, 1938
26 Claims. (Cl. 74—473)



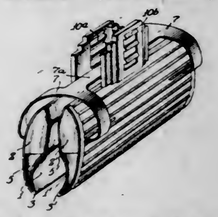
1. Operating arrangement for change-speed gearing, comprising at least one synchronising clutch with a sleeve member, a synchronising device and a dog clutch, clutch-operating rods, a gear lever, and a transmission element between the said sleeve member and gear lever in the form of a sleeve with three lever arms, two of the said lever arms being engageable with the operating rods and disposed opposite to each other in a horizontal plane whilst the third lever arm, which is operatively connected to the gear-lever, is substantially perpendicular to the others.

2,344,097

HEATER FOR PERMANENT WAVING

Jean Leclabart, Courbevoie, France; vested in the Alien Property Custodian

Application July 7, 1939, Serial No. 283,283
In France July 8, 1938
2 Claims. (Cl. 132—36)



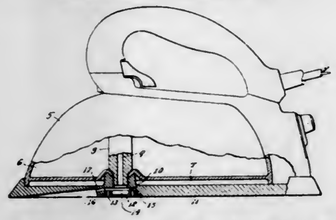
1. A heater for permanent waving, comprising two arcuate-shaped metal jaws adapted to be heated on heating bars and transfer the heat to the lock of hair on which they are to be placed, each of said metal jaws including a base portion and a tip portion, a metal block secured to each base portion of said jaws and forming a heat accumulator for said jaws, said blocks having each a complementary ball socket part, a ball fitting in said socket part, means for resiliently urging said jaws together, and spaced apart heat conducting means extending between the base of said jaws and said blocks in order to prevent heat exchange from being greater at said tips of the jaws than at the bases thereof.

2,344,098

COMBINATION PRESSING AND STEAMING IRON

Louis V. Lucia, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut

Application August 16, 1940, Serial No. 352,926
2 Claims. (Cl. 38—77)



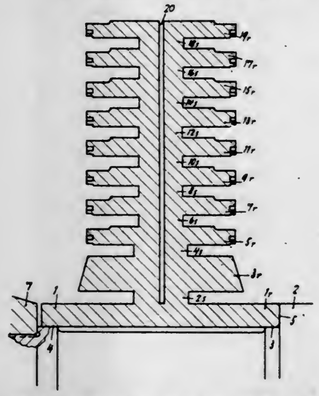
2. A steaming iron of the character described comprising a casing having a steam chamber therein, a sole plate, a steam distributing chamber in said sole plate communicating with said steam chamber, and means comprising a plurality of open grooves in said sole plate communicating with said steam chamber and a detachable plug forming the lower wall of said distributing chamber and having apertures therein for delivering steam to a surface being ironed.

2,344,099

BLADED DISK FOR RADIAL FLOW ROTARY MACHINES

Ulrich Meininghaus, Mulheim-Ruhr, Germany; vested in the Alien Property Custodian

Application November 16, 1940, Serial No. 365,892
In Germany November 21, 1939
6 Claims. (Cl. 253—39)



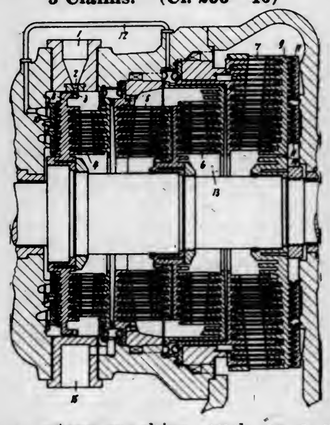
1. A blade carrying disk for radial flow rotary machines, in particular steam or gas turbines, having axially extending rings formed by grooves cut into the body of the disk down to a certain residual depth and carrying blades at the outer ends, the disk being supported at the inner diameter, and being provided with an insulating space extending radially through the disk in the region covered by said axially extending rings, said space being open at the periphery of the disk throughout substantially the whole extent thereof and acting to diminish the temperature drop between the bladed ends and the roots of the rings by throttling the flow of heat from the one side of the disk to the other side.

2,344,100

RADIAL FLOW TURBINE

Ulrich Meininghaus, Mulheim-Ruhr, Germany; vested in the Alien Property Custodian

Application February 19, 1941, Serial No. 379,610
In Germany February 29, 1940
5 Claims. (Cl. 253—46)



1. In a rotary machine, such as a reaction steam or gas turbine, the combination of a shaft, rotating discs arranged on said shaft, a plurality of radially traversed rows of blades on each of said discs and arranged to be impinged by a working medium, there being more than three planes of rotating discs, stationary discs carrying blades cooperating with said rotating discs, the working medium flowing at different average pressures along the two sides of at least certain of said rotating discs and moving in the same general axial direction, and thus exerting axial thrusts upon said shaft in such direction, and a radially traversed labyrinth packing on the unbladed side of the first impinged rotating disc, the outer diameter of such labyrinth packing being connected with the stream of the working medium flowing through the machine at a point in advance of the entry of the working medium into the reaction blading, and the immediately next connection with the stream of working medium flowing through the machine being provided at the inner part of such labyrinth packing and leading to a point behind that radial plane of the reaction blading which is the second in the direction of the flow of the working medium, but in advance of the last row of reaction blading.

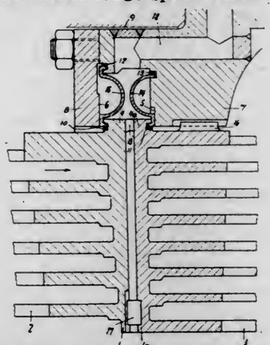
2,344,101

ELASTIC SUPPORT OF DISKS FOR RADIAL FLOW ROTARY MACHINES

Ulrich Meininghaus, Mulheim-Ruhr, Germany; vested in the Alien Property Custodian

Application March 25, 1941, Serial No. 385,115
In Germany April 1, 1940
2 Claims. (Cl. 253—39)

1. In combination, two blade or labyrinth carrying disks for radial flow rotary machines, in particular steam or gas turbines, arranged with one side of each disk adjacent the other, blades carried on the other sides of said disks, a fixed part of said machine supporting said disks, two thin-walled elastic rings spaced from each other



and respectively connecting said disks to said machine part, and an aperture through said machine part for the passage of working medium through the space between said disks and between said elastic rings.

2,344,102

NUT TO BE FIXED BY AN ADHESIVE

Josef Meisterhans, Gotha, Germany; vested in the Alien Property Custodian

Application January 15, 1941, Serial No. 374,464
In Germany December 19, 1939
5 Claims. (Cl. 85—32)

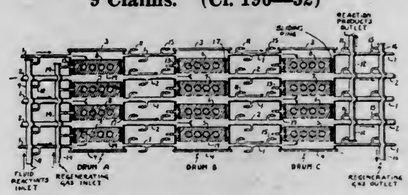
1. In combination, a building element, a plate washer secured face to face to said element, a slotted nut retainer carried by said plate washer, and a winged nut supported by said retainer, the wings of said nut loosely engaging the slots in said retainer.

2,344,103

METHOD FOR CONDUCTING CONTACT CATALYST CONVERSIONS OF FLUID REACTANTS

Cecilio L. Ocon and Ernest A. Ocon, Yonkers, N. Y.; said Cecilio L. Ocon assignor to said Ernest A. Ocon

Application June 27, 1940, Serial No. 342,813
9 Claims. (Cl. 196—52)



1. A process for catalytically treating carbonaceous fluid reactants continuously and uniformly with stationary solid catalytic adsorbent contact masses, which comprises arranging said contact masses into sets of individual catalyst beds, each set of beds being contained in a zone having individual points of entry of reactants to each bed and points of outlet for reaction products from each bed, passing a stream of gaseous reactant

mixture into a free space above the uppermost bed in said zone to pass downwardly through said uppermost bed, simultaneously passing an intermediate stream of gaseous reactant mixture into a free space intermediate two additional beds disposed beneath the said uppermost bed from whence one portion of said intermediate stream will flow upwardly through one of said additional beds and another portion will flow downwardly through the remaining additional bed, simultaneously passing an additional stream of gaseous reactant mixture into a free space below the lowermost bed in said zone to pass upwardly through said lowermost bed, commingling the resulting reaction products passed downwardly through the said uppermost bed with resulting reaction products of said portion passed upwardly through one of said additional beds in a free space below said uppermost bed, commingling the resulting reaction products passed upwardly through the lowermost bed with the resulting reaction products of said stream passed downwardly through the second of said additional beds in a free space above said lowermost bed, and separately withdrawing the commingled reaction products from said zone in separate streams.

2,344,104

MANUFACTURE OF SODIUM SULPHIDE

George A. Peirce, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1940, Serial No. 351,251
2 Claims. (Cl. 23—134)

1. In the manufacture of sodium sulphide by the reduction of sodium sulphate with a solid carbonaceous reducing agent the step of placing a charge of said sodium sulphate and solid carbonaceous reducing agent in a rotary furnace, continuously passing combustion gases through the interior of said rotary furnace to heat the charge therein and continuously withdrawing said combustion gases mingled with the gaseous products of the reaction, said combustion gases containing a predetermined percentage of carbon dioxide and sufficient carbon monoxide to make said combustion gases reducing and having sufficient heat content to cause the said charge to go through a melting period, a boiling period and finally to dry up, rolling the dried up charge for a substantial period while continuing the passage of said combustion gases, terminating when said charge ceases to evolve any substantial amount of CO_2 and cooling the charge out of contact with air.

2,344,105

EXTERMINATING AGENT FOR VERMIN

Gerhard Peters, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian

No Drawing. Application May 26, 1939, Serial No. 276,021. In Germany June 7, 1938
2 Claims. (Cl. 167—22)

2. Exterminating agent for animals and insects comprising trichloracetonitrile in admixture with methyl bromide.

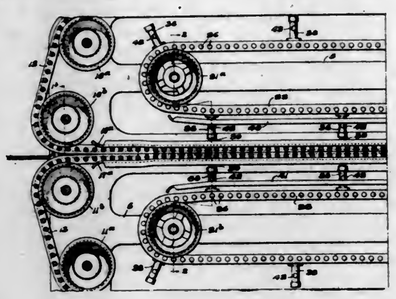
2,344,106

METHOD OF AND APPARATUS FOR TREATING TOBACCO

Charles L. Reed, Richmond, Va., assignor to Larus & Brother Company, Inc., Richmond, Va., a corporation of Virginia

Application July 14, 1939, Serial No. 284,541
17 Claims. (Cl. 131—136)

1. A tobacco leaf having an artificially expanded stem intact with the leaf, the leaf being unexpanded, said expansion being in all directions laterally of the longitudinal axis of the stem.

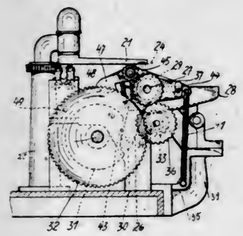


2,344,107

APPARATUS FOR SUPPLYING ADHESIVE

Constantin Friedrich Röber and Ernst Gustav Röthig, Dresden, Germany; vested in the Alien Property Custodian

Application June 14, 1940, Serial No. 340,600
In Germany June 30, 1939
5 Claims. (Cl. 91—50)



1. Apparatus for transferring adhesive to articles such as labels, edge-strips and the like, comprising, in combination, means for supporting one of said articles, an adhesive receptacle, a feed roller projecting into said receptacle, a second roller engaging the feed roller and receiving the adhesive therefrom, means for bodily rotating said second roller, while simultaneously engaging said feed roller, and said supported article, and means to momentarily disengage the said second roller at certain intervals from the feed roller to remove and return an accumulation of adhesive from in front of the engaging rollers.

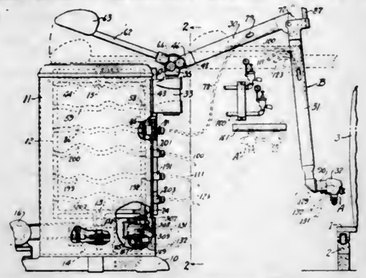
2,344,108

MEANS FOR MOVING SPRAY GUNS OR OTHER DEVICES THROUGH PREDETERMINED PATHS

Harold A. Roselund, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

Application August 17, 1939, Serial No. 290,646
13 Claims. (Cl. 91—45)

1. In a machine of the class described, a carrier arm swingable in two intersecting planes and having a relatively swingable wrist section, a spray gun carried by the wrist section, and mechanism having a cam pattern member and operable by predetermined movements of said member to impart predetermined swinging movements to said arm in different planes and to impart predetermined swinging movements to said wrist section relative to the arm to cause the gun to move through a predetermined path.

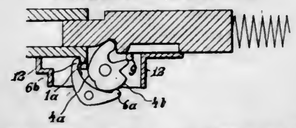


2,344,109

AUTOMATIC GUN HAVING SLIDING BARREL

Wolfgang Rossmanith, Solothurn, Switzerland; vested in the Alien Property Custodian

Application July 18, 1939, Serial No. 285,144
In Germany July 16, 1937
4 Claims. (Cl. 42—4)



1. An automatic gun comprising a sliding barrel, a sliding breech bolt capable of being locked and unlocked with respect to said barrel and longitudinally movable with respect thereto, a casing in which said barrel and breech bolt are movable, a lever arranged to arrest the barrel at the end of its rearward movement, said lever being pivoted in said casing, and an actuating lever pivoted in said casing independently of the arresting lever and having a cam surface thereon co-operating continuously with the arresting lever to move it into and out of operative position, said actuating lever having means engaged by the recoiling barrel for swinging said actuating lever in one direction and means engaged by the sliding breechbolt for swinging said actuating lever, in the opposite direction, the cam surface on the actuating lever having an operative portion for moving the arresting lever into barrel holding position towards the end of the barrel recoil movement, and a holding portion for retaining the arresting lever in such position during the subsequent movements of the breech bolt until the latter returns to locking position on the barrel.

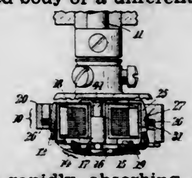
2,344,110

ROTARY HOOK FOR LOCK-STITCH SEWING MACHINES

Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application May 17, 1940, Serial No. 335,688
6 Claims. (Cl. 112—228)

1. A rotary hook for lockstitch sewing machines, comprising two relatively rotating components, one of which supports the weight of the other, one component having an annular bearing groove with walls of hard wear-resistant material, and the other component having an annular rib of like material frictionally engaging the bearing groove of the first component and a separately formed body of a different material capable of more rapidly absorbing and dissipating heat than the material of the groove walls and rib.

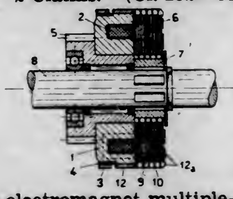


2,344,111

ELECTROMAGNETIC MULTIPLE-DISK CLUTCH

Anton Ryba, Bolzano, Italy; vested in the Alien Property Custodian

Application November 24, 1939, Serial No. 305,991
In Germany November 24, 1936
2 Claims. (Cl. 192—84)



1. In an electromagnet multiple-disk clutch, a first clutch member having thereon an electromagnet of substantially annular configuration with an annular outer pole face and a concentric annular inner pole face and with an annular gap therebetween, a second clutch member positioned adjacent said first clutch member, two sets of thin springy annular clutch disks of ferromagnetic material alternately positioned in interleaved engaging relationship with the disks of one set connected at the outer peripheries to one of said clutch members and with the disks of the other set operative connected at their inner peripheries to the other of said clutch members, each of said disks having holes therein substantially in axial alignment with the air gap of said electromagnet, and an annular armature formed of thin springy armature disks and positioned adjacent said clutch disks on the side opposite said electromagnet and forming a radially extending annular bridge closing the magnetic circuit from said inner and outer pole faces through the respective inner and outer annular portions of said clutch disks, said armature disks having radial slots therein which extend substantially the radial dimension of the disk thereby to provide in effect a plurality of sector portions connected at the peripheries by web portions so that each of said armature disks is flexible and, upon energization of said coil, the armature disks will be drawn against said clutch disks and each sector portion will tend to lie flat against the adjacent disk surface.

2,344,112

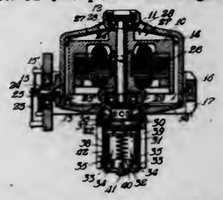
GYROSCOPIC DEVICE

Benno Rybka, Berlin-Lankwitz, Germany; vested in the Alien Property Custodian

Application April 10, 1940, Serial No. 328,935
In Germany November 25, 1938
4 Claims. (Cl. 74—5)

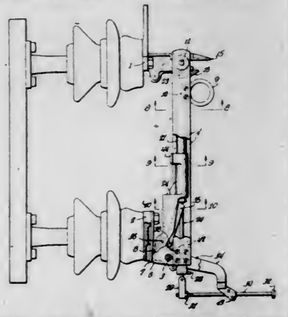
1. A gyroscopic device for aircraft having a rotor casing, a constant speed electrically driven

rotor therein, an air impeller in said casing driven by the rotor for supplying air under pressure by which the device is erected, the air pressure generated by the impeller being proportional to the density of the air in which the device is operating, an erection control element for the gyroscopic device comprising gravitationally governed ports in said casing through which the air supplied by the impeller is differentially discharged, and means responsive to changes in the generated air pressure of the air impeller at different altitudes of the aircraft for varying the effective area of the ports through which the air



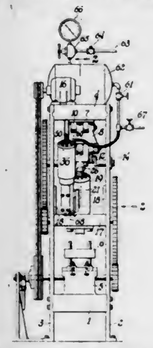
issues and by the variation of the port areas maintaining the erection forces exerted on the gyroscopic device substantially constant within determined limits of altitude of the aircraft, said means comprising a projecting portion attached to the rotor casing, said projecting portion being hollow and having said ports provided therein, a member slidable in said projecting portion for opening and closing said ports and resilient means connected to said member for controlling its movement, said casing being provided with conduits communicating with said hollow projecting portion whereby air generated by said impeller is introduced into said projecting portion and against the member.

2,344,113
SWITCH
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application January 27, 1941, Serial No. 376,052
17 Claims. (Cl. 200—146)



1. A switch adapted to be opened under load comprising two terminal members, switch means for connecting and disconnecting said terminal members by movement to closed and open position respectively, means for moving said switch means, an insulating tube, plunger means within said tube for maintaining said terminal members in electrical connection with each other for an interval after said switch means has moved to open position, means for bodily moving said plunger means within said tube after said switch means has moved to open position for interrupting the connection between said terminal members and causing the first arc to be extinguished within said tube, means for moving said tube outwardly after said plunger means has operated, mechanism for restoring said plunger means to its initial position while said tube is in its outer position, and means for moving said tube to its original position when said switch means is moved to closed position.

2,344,114
PRESSURE REGULATOR FOR PRESSES AND THE LIKE
Harry A. Sedgwick, Shorewood, Wis.
Application July 15, 1940, Serial No. 345,664
6 Claims. (Cl. 100—70)

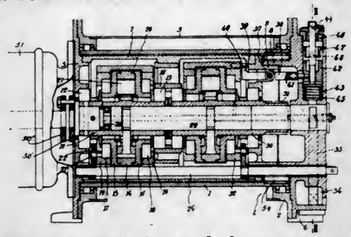


2. The combination of a mechanical press having a fixed abutment, a movable platen and a linkage interconnecting said abutment and said platen and operable to effect reciprocation of said platen, a cushioned connection associated with said linkage comprising a housing providing a main chamber and a main piston reciprocable in said main chamber, said main chamber and said piston being arranged to permit limited relative movement therebetween and adapted to receive a liquid under pressure to form therewith a cushioning means, an auxiliary chamber in hydraulic communication with said main chamber, an auxiliary piston reciprocable in said auxiliary chamber in response to the difference in the force exerted thereupon by the pressure of a liquid in said chambers and a force in opposition to said former force, a constant volume of liquid under substantially constant pressure in said chambers, and means for maintaining the pressure of said liquid at all times substantially constant, said last mentioned means including a cylinder, and a piston in said cylinder connected to said auxiliary piston and always maintained spaced from the heads of the cylinder to exert upon the auxiliary piston at all times a substantially constant force which balances at all times the force exerted thereupon by the pressure of said liquid.

2,344,115
ROPE DRUM WITH REGULABLE HYDRAULIC DRIVE, ESPECIALLY FOR LIFTS
Erwin Sturm, Boll, near Goppingen, Germany; vested in the Alien Property Custodian
Application November 16, 1939, Serial No. 304,820
In Germany November 17, 1938
6 Claims. (Cl. 254—173)

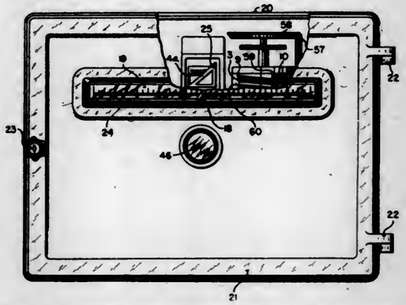
3. A rope drum in combination with a hydraulic gear, said drum arranged in a casing, which comprises an outer shell provided with frontal covers, said gear comprising a rotary pump driven by a machine arranged outside the drum, a rotary fluid motor connected to the pump

and driving said drum, said pump and said motor being arranged in axial coincidence within the drum and each of them provided with radial guides so as to be regulated by radial displacement, said hydraulic gear being housed in a cylindrical casing, which is fixedly arranged within said drum, intermediate gear wheels transmitting the rotation of said fluid motor to an inner



spur ring connected to said drum, one of said frontal covers forming an inner chamber surrounding said gear wheels and containing in its lower part the driving fluid, a control shaft for regulating said pump and said motor by radial displacement, said control shaft arranged parallel to the axis of the drum within said cylindrical casing of said gear, and rotatably supported in said frontal covers of said outer shell.

2,344,116
MEASURING INSTRUMENT
Roy Ullman, Roslyn, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 1, 1940, Serial No. 316,744
8 Claims. (Cl. 177—311)



1. In a measuring instrument, the combination with an element responsive to the value of a condition to be measured, an exhibiting member movable to various positions to indicate the value of said condition, mechanism including a periodically operated member to move said exhibiting member to a position corresponding to the value of said condition, switch means, means operated by said periodically moving member to periodically close said switch, and means operated by said switch to give an indication when the exhibiting member is properly positioned.

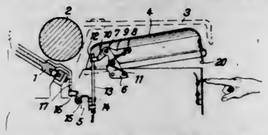
2.344,117
METHOD OF MAKING POLARIZING FILTERS
Otto Vierling and Paul Gänswein, Dresden, Germany; vested in the Alien Property Custodian
Application June 27, 1940, Serial No. 342,708
In Germany December 9, 1938
1 Claim. (Cl. 88—65)

In a method of making a polarizing filter wherein an optically anisotropic carrier layer is dyed with a substance which imparts a polarizing property to the carrier layer, the improvement which comprises increasing the durability of such filter by subjecting the carrier layer to dyeing with a dye until the carrier layer is dyed substantially throughout its entirety to a substantially uniform degree of intensity but which intensity is of a degree greater than that desired for the completed filter and which consequently renders the carrier layer transparent to a lesser



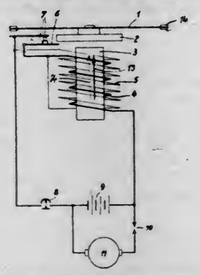
degree than the degree of transparency desired for the completed filter, and then subjecting the dyed carrier layer to washing to substantially free the dye from outer portions of the carrier layer each of which outer portions is substantially coextensive with a face of the carrier layer through which light is to be directed and is of substantially uniform thickness to leave a portion of substantially uniform thickness located centrally of the carrier layer between and substantially coextensive with said outer portions and wherein said dye remains unaffected.

2,344,118
TYPEWRITING MACHINE WITH COVERING HOOD
Friedrich Wunderlich, Nuremberg, Germany; vested in the Alien Property Custodian
Application January 28, 1941, Serial No. 376,398
In Germany March 12, 1940
6 Claims. (Cl. 197—186)



1. In a typewriting machine, a carriage, an ink ribbon driving mechanism, a hood covering said mechanism and movable to raised position, means tending to move the hood to raised position, a holding device for retaining the hood in lowered position, and a locking device controlled by said carriage and constructed to prevent the hood from being raised more than a predetermined extent in certain positions of the carriage upon the release of said holding device.

2,344,119
ELECTROMAGNETIC SIGNAL HOOTER
Gustav Zeininger, Oberesslingen, Germany; vested in the Alien Property Custodian
Application November 23, 1940, Serial No. 366,912
In Germany November 21, 1939
2 Claims. (Cl. 177—7)



1. An electromagnetic horn comprising an electromagnet, a sound producing diaphragm, an

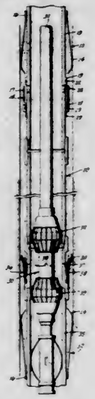
armature for operating said diaphragm and an interrupter, actuated by said armature, for said electromagnet, said electromagnet including a main winding and an auxiliary winding, both controlled by said interrupter during the operation of said horn, said windings being inductively intercoupled and said auxiliary winding being connected across the interrupter contacts, to energize the electromagnet in the same direction as the main winding.

2,344,120

METHOD AND APPARATUS FOR CEMENTING WELLS

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application April 21, 1941, Serial No. 389,591
17 Claims. (Cl. 166—1)



1. In combination with a tubular well casing, a well device mounted on said casing for bridging the annular space between said casing and the surrounding wall of a well bore, means for holding said device in retracted position, means for sliding said holding means along said casing to release said bridging device and allow its expansion into engagement with the wall of said bore hole, and means within said casing for feeding fluid under pressure to said sliding means.

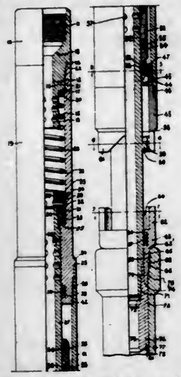
2,344,121

RELEASABLE SETTING TOOL AND BY-PASS

Ross Bassinger, Houston, Tex.

Application September 23, 1940, Serial No. 357,905
9 Claims. (Cl. 166—1)

6. A well device for connecting a conductor with a well tool which is to be set in a well bore including, an elongate body having means at its upper end for securing it to a well conductor, an elongate tubular member movably mounted in the body, and having the well tool connected to its lower end, means for preventing rotation of the member relative to said body, the body being movable longitudinally relative to said member so as to disengage the preventing means, and co-acting clutch means associated with said body and well tool normally spaced from each other and being engaged by longitudinal movement of the body relative to the member and tool, whereby rotation may be imparted to said tool from the conductor through said body and member to set the tool when the clutch means is disengaged and the preventing means engaged, the body being rotatable relative to said tool and member to release the device for disconnection from the tool when said clutch means is engaged and said preventing means disengaged.

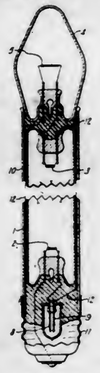


2,344,122

ELECTRIC LIGHTING EQUIPMENT

Zoltán Bay, Ujpest, and György Szigeti, Budapest, Hungary, assignors to General Electric Company, a corporation of New York

Application April 7, 1941, Serial No. 387,300
In Hungary April 17, 1940
8 Claims. (Cl. 315—49)



2. A lamp unit comprising a gaseous electric discharge lamp having a sealed tubular envelope with electrodes therein, a base at one end of said discharge lamp, and an incandescent lamp comprising a sealed bulb containing a filament and secured to the other end of said discharge lamp, said filament being electrically connected in series with the discharge gap between the electrodes of said discharge lamp and serving as a ballast therefor.

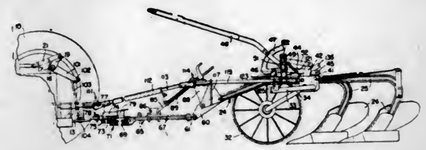
2,344,123

POWER LIFT

Theophilus Brown and Frank T. Court, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application June 26, 1941, Serial No. 399,852
10 Claims. (Cl. 97—50)

1. In combination, a tractor having a power unit including a member movable about a generally longitudinal axis, an implement having a part adapted to be raised and lowered into and out of transport position and a member operatively connected with said part and swingable about a generally longitudinal axis for shifting said part, means connecting said implement with the tractor for generally lateral swinging movement about a generally vertical axis relative thereto, shaft means operatively connecting said members and including a universal joint spaced generally vertically from the means connecting



the implement with the tractor, said universal joint and said members being arranged so that when said implement part is in its raised position one of the axes of said universal joint substantially coincides with said first vertical axis, whereby when the implement is in its raised position said lateral swinging movement of the implement relative to the tractor through relatively wide angles is accommodated.

2,344,124

REFINING VITAMIN OILS

Loran O. Buxton, Belleville, and Louis T. Rosenberg, Ridgefield Park, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application December 13, 1941, Serial No. 422,880
6 Claims. (Cl. 260—425)

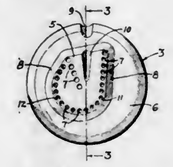
1. A process of removing undesirable color, odor and taste bodies from fat-soluble vitamin-containing marine oils which comprises admixing one or more of the compounds selected from the group consisting of morpholine, morpholine functional derivatives and soaps thereof with a fat-soluble vitamin-containing marine oil, admixing water with the mass to form an emulsion thereof and breaking the emulsion to separate refined oil therefrom.

2,344,125

NOZZLE FOR THE MANUFACTURE OF MINERAL WOOL

Marshall E. Callander, Columbia, Mo.

Application July 8, 1940, Serial No. 344,334
8 Claims. (Cl. 299—141)



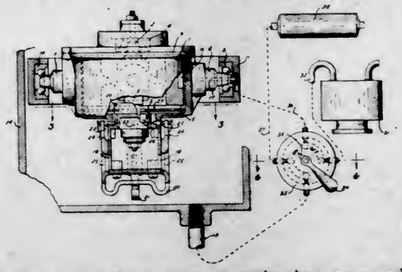
2. A nozzle of the character described, comprising, a face part containing a series of apertures arranged generally in U-configuration for conducting the atomizing fluid and directing the same across the flow of a stream of molten material to be atomized, and said face having part of its surface adjacent the bottom of the U-configuration and outside thereof set back from the plane of the portion of the face which lies inside the U-configuration.

2,344,126

HORIZON GYRO

Bert G. Carlson, Erieside, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application June 4, 1942, Serial No. 445,793
9 Claims. (Cl. 74—5)



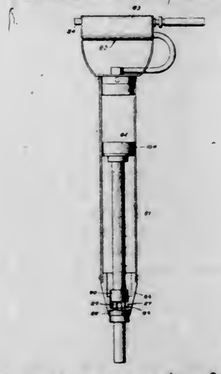
1. In an horizon gyro, a spinning gyro wheel mounted for rotation about a vertical axis and fluid pressure means for exerting a spinning force on said wheel, means for erecting said gyro including means for reversing the flow of said fluid, hand control means for reversing said flow for discontinuing said force and a floating brake disc simultaneously operated by the reversely flowing fluid to engage said gyro wheel to stop the spinning of the same.

2,344,127

RIVETING APPARATUS

Carl W. Cherry, Carmel, Calif.

Application August 3, 1940, Serial No. 351,278
16 Claims. (Cl. 218—19)



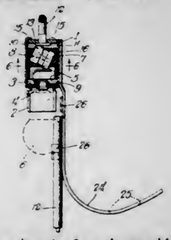
1. In a riveting apparatus for setting a rivet assembly of the type in which a tension member with a tail former on it is assembled in predetermined position within a tubular rivet; a pair of relatively movable riveting elements, a pressure member on one of said elements for engagement with the head of said rivet assembly, engagement means on the other riveting element for engaging a portion of the tension member of said rivet assembly spaced from the rivet head, means to exert opposite forces on said riveting elements to move one of said riveting elements oppositely to the other for forming a fastening rivet tail on said rivet, said riveting elements having coacting receiving side apertures substantially corresponding to the contour of the rivet assembly from the rivet head to the end of the tension member outside of said rivet head, and being adapted to laterally receive each rivet assembly when said riveting elements are in their initial position for engaging said rivet head and tension member of said rivet assembly.

2,344,128
RIVET
Carl W. Cherry, Carmel, and Alex S. Mullgardt, Altadena, Calif.; said Mullgardt assignor to said Cherry
Original application May 24, 1940, Serial No. 337,028, now Patent No. 2,317,360, dated April 27, 1943. Divided and this application March 27, 1943, Serial No. 480,869
2 Claims. (Cl. 85—40)



1. A rivet assembly comprising a tubular rivet having a head formed at an end thereof, a rivet stem extended through the rivet, a former head on the stem, adjacent the other end of the tubular rivet, said rivet stem being expanded against the interior of said tubular rivet into frictional engagement with the inner surface of said tubular rivet.

2,344,129
AUTOMATIC SWITCH FOR COMPARTMENT LIGHTS
Harold H. Clayton, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana
Application November 28, 1941, Serial No. 420,780
6 Claims. (Cl. 200—52)

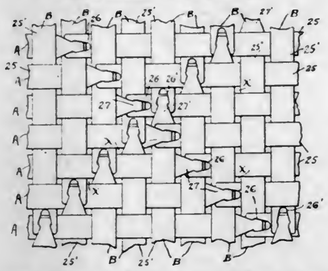


2. A gravity actuated automatic lighting means comprising, in combination, a metallic casing forming a lamp socket at one end and bearing within itself a pair of electrical contacts insulated from said casing, one contact being adjacent the lamp socket for engaging an adjacent lamp terminal and the other contact being at the opposite end of the casing for connection to a conductor, a U-shaped conducting spring element one arm of which is supported by one of said electrical contacts, and a switch unit within said casing having terminals at its opposite ends disposed eccentrically of said casing and insulated therefrom, said spring conducting means urging the terminals of said switch unit into engagement with said contacts, and said switch unit having gravity responsive means for establishing a circuit between its terminals when said casing is tilted.

2,344,130
NONSETTLING PUTTY
Alfred D. Covert, Detroit, Mich.
No Drawing. Application May 16, 1939, Serial No. 273,976
6 Claims. (Cl. 106—253)

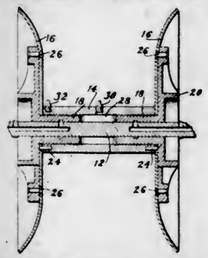
1. A non-settling putty comprising a mixture of whiting, linseed oil and metallic soap formed of metals ranging in the electromotive series from iron to potassium, the oil and metallic soap being present in the mixture at a ratio by weight of 14 and 3 to 5.

2,344,131
AIRFIELD
William C. Coryell, Youngstown, Ohio
Application February 18, 1942, Serial No. 431,325
6 Claims. (Cl. 94—4)



1. A portable airfield comprising a series of composite thin steel strips laid side by side in substantially straight lines; a second series of like composite thin steel strips interwoven with said first series at substantially right angles thereto; said two series of strips providing a flat smooth surface for the take-off and landing of airplanes; said composite strips being made up of constituent units united end to end, one end of each unit having a locking slot therein and the other end forming a key member, said key member being free to enter the slot of an adjacent unit when said units occupy an angular position with reference to each other and to be locked when said members are subsequently moved into alignment with each other; said strips being thin enough to yield readily to the weaving of the strips, also being of substantially uniform width throughout their lengths and capable of withstanding a great tension, and said constituent units having lengths suitable for loading on a truck; and means for securing the free ends of the strips individually to the terrain to hold the strips in landing tension to receive the blows of the landing airplanes.

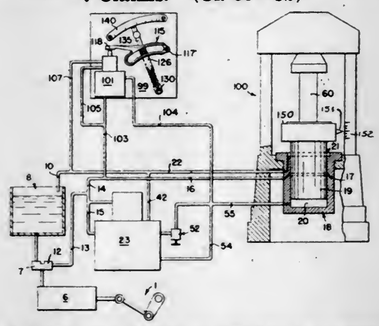
2,344,132
FISHING REEL SPOOL
Joseph A. Coxe, Los Angeles, Calif., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Original application November 4, 1936, Serial No. 109,099, now Patent No. 2,251,782, dated August 5, 1941. Divided and this application March 11, 1940, Serial No. 323,253
7 Claims. (Cl. 242—125)



2. A spool for fishing reels comprising: a sleeve; end bells riveted to the ends of said sleeve; and bracing spiders each including a central hub entered inside said sleeve, and radiating arms to reinforce said end bell; and rivets fastening the ends of said arms to said end bell.

7. A spool for fishing reels comprising, in combination: a tubular metallic sleeve; bearing means adjacent each end of the sleeve and defining a bearing of smaller diameter than the interior diameter of the sleeve, whereby said sleeve, when mounted on a shaft fitting said bearings, will, with said shaft, define an annular lubricant storage space between said bearings; a radial opening in said sleeve adapted to communicate with said storage space; and a removable line attachment device insertible in said opening, and when so inserted closing said opening against egress of lubricant.

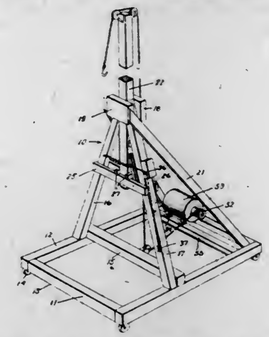
2,344,133
FLUID SYSTEM CONTROL
Archibald H. Davis, Jr., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application June 9, 1941, Serial No. 397,170
7 Claims. (Cl. 60—52)



1. A hydraulic system comprising, in combination, a source of liquid supply, a pressure chamber, a conduit leading from the source of supply to the pressure chamber, a metering device in said conduit, a liquid container for adding additional liquid to the pressure chamber to offset the loss of volume of liquid in the chamber when the pressure increases, the container including a differential piston, a connection from the source of pressure to one end of the container tending to drive the differential piston forward, a connection from the opposite side of the differential piston leading from the container to the chamber and means offering increasing resistance to the movement of the differential piston so that the volume of liquid ejected corresponds to the movement of the differential piston and the change of pressure in the system.

2,344,134
PORTABLE ELEVATOR
George B. Davis, Pasadena, Calif.
Application December 28, 1942, Serial No. 470,327
3 Claims. (Cl. 254—143)

1. In a portable elevator, a rectangular base having wheels thereon, converging support members on said base, a pair of upper transverse members connecting said support members adjacent the top thereof, said transverse members being spaced apart to form a slot, brace members for said support members, a pair of lower transverse members on said support members and spaced apart, a mast passing through said slot and between said lower transverse members, said mast having a pulley adjacent the upper end thereof, a trigger member pivotally mounted between said lower transverse members, said mast having a plurality of notches, said mast notches being adapted to receive the upper end of said trigger, spring means normally urging said trigger to engaging position, means to move the trigger in a direction opposite to that in which it is normally urged by said spring means, means for raising and lowering the mast, a winch on said base, a pulley on the base and aligned with said winch,



a cable on the winch and passing over said last mentioned pulley, said cable extending upwardly and passing over said mast pulley and thence extending downwardly and being adapted to engage an object to be lifted.

2,344,135
LAUNDRY DRYING MACHINE
Edward J. Downes, Albany, N. Y.
Application March 21, 1941, Serial No. 384,467
8 Claims. (Cl. 34—109)

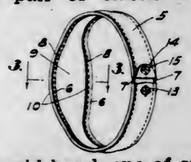


5. In a laundry drying machine of the character described, the combination with a casing having an opening therein and a closure element therefor, of a foraminous drum rotatably mounted within said casing, means for passing air through said casing and drum and means for rotating said drum; said drum having an opening in one end thereof and being positioned to rotate with its said opening in registry with the opening in said casing; and said drum being provided interiorly thereof with a plurality of pairs of substantially diametrically opposed baffles extending longitudinally of said drum, both baffles of one of said pairs extending inwardly from the periphery of said drum beyond the edge of the said opening therein, and compressible yielding means disposed between the ends of said last mentioned pair of baffles and the casing of said machine for preventing the articles from wedging between the drum and casing, and a partition element for subdividing the interior of said drum into two compartments, said element being adapted to pass through the opening in said casing and drum and being provided with means slidably engageable with the said last mentioned pair of baffles for supporting said partition element therebetween whereby said partition may be slid into and operatively positioned within said drum.

2,344,136
WRIST WATCH PROTECTOR
Harold V. Dressen, Los Angeles, Calif.
Application February 22, 1943, Serial No. 476,791
10 Claims. (Cl. 58—105)

1. In a wrist watch protector, a transversely split wrist band having along each of its opposite edges an inwardly directed selvage strip which is

stitched to the body portion of the band by a line of stitching in a spaced relation to the juncture of said selvage strip with the band and which when the ends of the band at the split end thereof are brought into juxtaposition forms an elongated continuous pocket along each side edge of said strap, and a pair of elastic cords extending



lengthwise of said band, one of said cords being enclosed by each of said stitched selvage strips, the predetermined tension of said elastic cords causing the elongated pockets wherein they are contained to dip inwardly along their edges over the edges of the watch attaching band with a snug fit.

2,344,137

PIGMENTED RESIN AND METHOD OF MAKING

Folsom E. Drummond and William A. Waldie, Dayton, Ohio, assignors, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio

No Drawing. Application August 26, 1940, Serial No. 354,256
8 Claims. (Cl. 260—22)

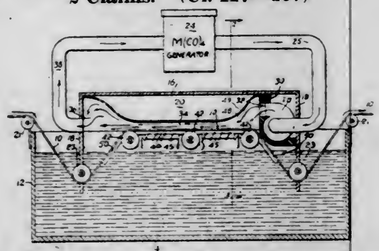
1. The method comprising dissolving fatty acids selected from the group consisting of drying oil fatty acids, semidrying oil fatty acids and mixtures thereof in hydrocarbon solvent, adding to the resulting solution a quantity of pigment, refluxing the pigmented mixture for several hours, removing the solvent by distillation, adding to the residue polycarboxylic acid and polyhydric alcohol, and heating the mixture with constant stirring for several hours, whereby there is formed a homogeneous resinous paste in which the pigment is finely and uniformly dispersed adapted for incorporating in enamels, lacquers, inks, and the like.

2,344,138

COATING METHOD

Folsom E. Drummond, Dayton, Ohio, assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio

Original application May 20, 1940, Serial No. 336,191. Divided and this application January 16, 1941, Serial No. 374,657
2 Claims. (Cl. 117—107)



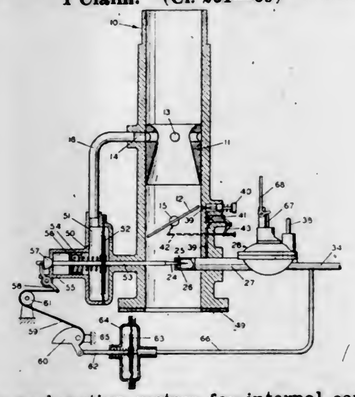
1. A method of coating long continuous lengths of metal stripping on only one side thereof comprising continuously moving and guiding the stripping through a liquid sealed chamber, circulating gaseous metal carbonyl over the upper surface only of said stripping and in a direction opposite to the movement of said stripping while protecting the underside of said stripping from contact with said gaseous metal carbonyl throughout its movement in said chamber, and heating said strip on its underside as it passes through said chamber to decompose said gaseous metal carbonyl and thereby precipitate and deposit the pure metal onto the upper surface only of said stripping as it is moved therealong.

2,344,139

LIQUID FEED CARBURETOR

Gerhard Gerson, Keego Harbor, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 8, 1941, Serial No. 406,064
1 Claim. (Cl. 261—69)



In a carburetion system for internal combustion engines adapted for handling liquid fuel of relatively high vapor pressure including a mixing tube having a venturi, a throttle valve in the mixing tube, a fuel supply, an outlet orifice for delivering liquid fuel into the mixing tube, below the throttle valve, means for maintaining said fuel in liquid phase from the fuel supply to the outlet orifice comprising a fuel valve for said orifice, a diaphragm housing, a diaphragm in said housing operably connected with the fuel valve and forming a chamber on one side communicating with the mixing tube at the venturi, the opposite side being in communication with the atmosphere, spring means urging said fuel valve closed, so that suction induced by air flow through the venturi communicated to the diaphragm will open the fuel valve against the action of said spring means, an air bleed valve in said chamber connected with the fuel valve for influencing the suction effect communicated to the diaphragm from the venturi, to compensate for pressure fluctuation on the fuel outlet below the throttle valve, pressure responsive means communicating with the fuel supply upstream of the outlet orifice, spring means acting on said pressure responsive means in opposition to fuel pressure, and means operably connecting the pressure responsive means with the fuel valve to vary the degree of loading on said fuel valve in accordance with variation in pressure in the fuel supply.

2,344,140

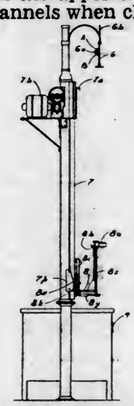
ELECTROAUTOMATIC DOCUMENT COLLECTOR AND DISTRIBUTOR

William C. Gibson, O'Bannon, Ky.

Application October 9, 1941, Serial No. 414,376
3 Claims. (Cl. 186—22)

1. In an electro-automatic document collector and distributor of the kind described, a station

elevator-mechanism consisting of a hollow post provided with a broad longitudinal slot in the front side and a shelf on the backside near the top thereof; a reversible electric motor on said shelf, adapted to drive a rotary drum at a predetermined speed by means of a worm and a worm-gear set on the same shaft as said drum, said shaft being installed in a rigid bracket fixed on the same shelf with said motor; two flanged band-ways around the perimeter of said drum; a vertically-disposed plate designed to fit said broad slot and to slide easily up and down therein, said plate being adapted to support an elevator-bracket; station pick-off and release channels mounted on the upper end of said elevator-bracket, said channels when closed being adapted



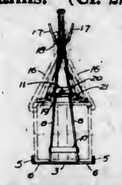
to carry document-holders; means for opening said pick-off and release channels, so that said document-holders may drop down; a strong steel band wound in one direction around one of said band-ways on said drum and having its lower end extending down into said hollow post and attached to the upper portion of said vertically-disposed plate, said band being designed in service to raise said plate and its attached elevator-bracket; means for bringing said elevator-bracket down again to the station-agent's desk; limit-switches fixed in the upper and the lower portions of said post, adapted to cut the current from the motor to stop it at the end of said bracket's trip; and means for reversing said motor and supplying it with its operative current for pulling said bracket up and down between said desk and said conveyor-cars.

2,344,141

BATTERY CARRIER

George W. Gohring, Iowa City, Iowa

Application June 30, 1941, Serial No. 400,495
4 Claims. (Cl. 224—45)



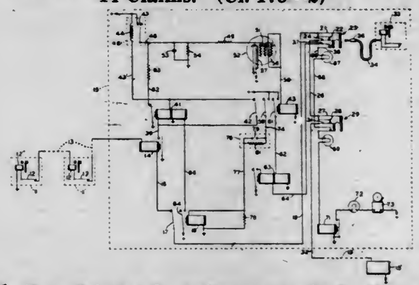
2. A battery carrier constructed primarily from heavy wire bent into zig-zag forms and comprising a base portion upon which a battery may be mounted, said base portion having at its extreme lateral edges upwardly projecting loops to serve as battery retainers, the wires of the base portion being continued upwardly upon two other opposite sides of the battery, said wires being connected together in pairs upon said other opposite sides between the base portion and the upper end thereof, one of the connecting means having pivotally mounted thereon a crossbar provided at its ends with loops for the reception of cables attached to the battery so that said cables cannot be kinked adjacent the battery terminals, or be broken, or break the battery cover by reason of force exerted on the cables.

2,344,142

ANSWER-BACK TELEGRAPH SYSTEM

Robert T. Hamlett, Jackson Heights, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application July 10, 1940, Serial No. 344,627
14 Claims. (Cl. 178—2)



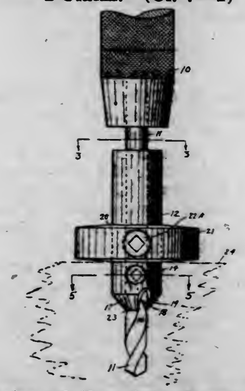
1. In a telegraph system, a central office station, a plurality of way stations, a way-wire connecting said stations normally in a closed condition, means at said central office station responsive to signals from any of said way stations for initiating the automatic transmission of a predetermined sequence of signals from said central office station to all of said way stations, means operative thereafter for returning said way-wire to normal condition and means at all of said stations operative during the transmission of said predetermined sequence of signals for stopping transmission thereof and returning said way-wire to said normal condition.

2,344,143

DEPTH GAUGE, COUNTERSINK, AND DRILL

Ernst J. Harding, Portland, Oreg.

Application August 24, 1942, Serial No. 455,863
1 Claim. (Cl. 7—1)



In a device of the class described, the combination of a spirally fluted drill, a tubular shell

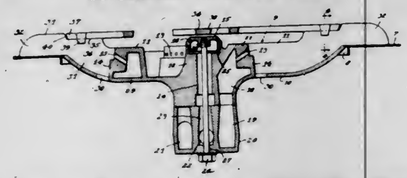
mounted on said drill, a countersink formed on one end thereof having two diametrically opposite set screws adapted to engage the flutes of said drill, a collar slidably mounted on said shell, said collar having three equidistant set screws therein for positioning same along the length of said shell, the sides of said collar sloping away at a slight angle from the middle portion thereof toward the outer rim which is narrower than is the central portion of the collar, for the purpose of insuring the middle portion of said collar engaging the work before it is engaged by the outer portion should the drill enter the work at a slight inclination.

2,344,144

COOKING TOP BURNER FOR GAS RANGES

Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois

Application January 2, 1941, Serial No. 372,711
20 Claims. (Cl. 158—116)



7. In combination, a gas burner comprising a central hollow hub portion and a plurality of hollow arcuate spoke portions connected at one end to the hub in circumferentially spaced relation with respect thereto and extending outwardly from the hub spiralwise, all in a common plane substantially normal to the hub portion, each of the spoke portions having ports in circumferentially spaced relation in the radially outer side wall thereof on lines radiating from the centers of the arcs of said spokes, whereby all of the ports in each of said spokes are in mutually divergent relationship, a circular lighting and simmer burner of small diameter in relation to the rest of said structure on top of the hollow hub portion in substantially concentric relation thereto, said circular burner having radial ports in circumferentially spaced relation, the radially outer side walls of the spoke portions having their inner end portions disposed in substantially tangential relation with the circular burner and so that the innermost ports on said spokes are in lighting proximity with the ports of the circular burner, and means for supplying gaseous fuel to said burners.

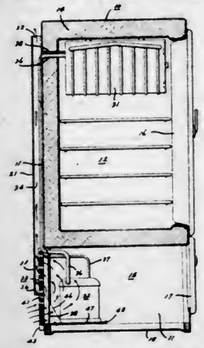
2,344,145

REFRIGERATING APPARATUS

Elmer L. Horlacher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 29, 1943, Serial No. 484,991
5 Claims. (Cl. 62—89)

1. A refrigerating apparatus comprising in combination, a cabinet having a plurality of walls forming a food storage chamber and a machine compartment therein, a refrigerating system associated with said cabinet including an evaporator for cooling the interior of said food chamber, a refrigerant compressing unit within said compartment, a condenser and conduits connecting said evaporator, said unit and said condenser in closed circuit relation, said machine compartment having an opening in one wall thereof, means forming an air flue along a wall of said cabinet, said condenser being mounted along the opening in said compartment wall, said flue forming means having a part thereof extending over a portion of the opening in said compartment wall and overlapping a portion of said condenser to provide the flue with an air inlet facing said compartment and communicating with the in-



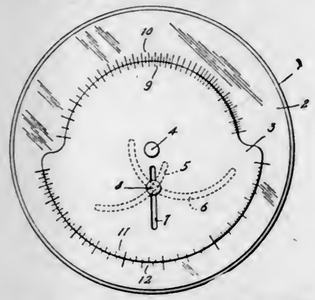
terior thereof, and said part of said flue forming means partitioning said condenser into a portion disposed within said flue adjacent the inlet thereof and another portion exteriorly of said flue forming means and disposed in the path of air adapted to enter said compartment through the opening in said one wall thereof.

2,344,146

COMPUTER

Hubert B. Huntley, Glen Head, and William Vandersteel, Port Washington, N. Y., assignors to Cox & Stevens Aircraft Corporation, a corporation of New York

Application November 4, 1943, Serial No. 508,990
9 Claims. (Cl. 235—61)



1. A calculating device comprising three relatively movable members having cooperating juxtaposed scales thereon and guideways formed therein; and means engaging in said guideways adapted to produce a prescribed relative motion between two of said members in response to relative movement of one of said two members with respect to the third thereof.

2,344,147

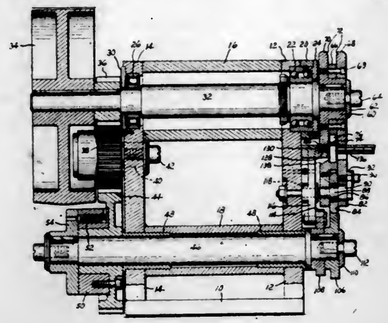
ROLLING MACHINE

Philip H. Hutchinson, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 2, 1940, Serial No. 327,405
14 Claims. (Cl. 80—23)

1. In apparatus of the character indicated, a die roll comprising a pair of axially spaced twin

sections with a space between them, an arm, a pair of article supporting rolls having an axial length to enter the space between the sections



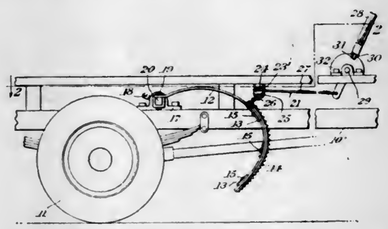
and journalled on said arm, a third roll journalled on the arm and backing up the supporting rolls, and means for swinging the arm to cause the supporting rolls to approach the die roll.

2,344,148

EMERGENCY WHEEL BRAKE

Arch Robert Jackson, Shavertown, Pa.

Application April 11, 1942, Serial No. 438,631
6 Claims. (Cl. 188—4)



1. The combination with a motor vehicle, of releasable track members carried by the vehicle for engagement underneath the rear wheels to halt the vehicle comprising, a pair of spaced arcuate leaf springs, cross bars connecting the springs, a rubber mat on the cross bars and springs, means pivotally connecting the upper ends of the springs to the vehicle, interengaging means for holding the track members in raised position relatively to the wheels, and a lever connected to the interengaging means for disengaging the means to permit the track members to gravitate to operative position underneath the vehicle wheels.

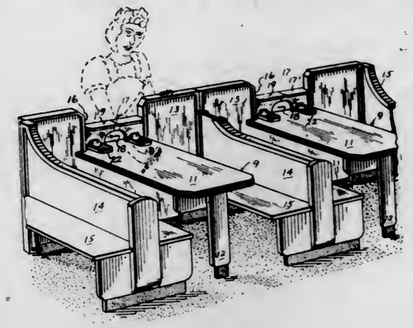
2,344,149

TABLE DEVICE

Arthur T. Jory, Oakland, Calif.

Application July 29, 1940, Serial No. 348,226
6 Claims. (Cl. 20—1.6)

1. A table unit arranged for use by a seated person comprising a table top, a wall panel of greater width than the table top supporting an end of the table top, said panel extending to a height above the level of the eyes of an adult person seated at the table and below the plane of vision of a waiter standing adjacent it and provided with a service opening extending upwardly to the panel top from the top plane of the table top, and a displaceable closure for said opening contiguous with the table top surface thereat and extending to a lesser height



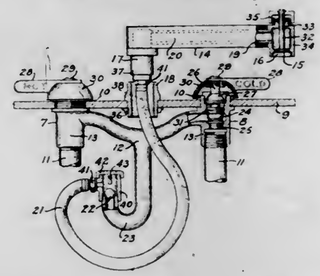
than the panel to facilitate service operations at the table by the standing waiter over it and through the opening portion above it.

2,344,150

PLUMBING FIXTURE

Julius S. Judell, Shorewood, Wis., assignor to Milwaukee Flush Valve Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 22, 1941, Serial No. 407,847
1 Claim. (Cl. 299—58)



In a plumbing fixture, a pair of liquid supply valves interconnected by a rigid conduit having a rigid J-shaped tube depending therefrom and providing a single outlet between the valves, a universally movable rigid liquid mixture dispensing nozzle adapted to be positioned above and below said valves and having an inlet connected to the shorter leg of said J-shaped tube below the upper extremity of said leg by a flexible hose, a gravity actuated non-return ball check valve located in said shorter rigid tube leg below and in advance of the inlet end of said flexible hose for positively preventing back-flow of liquid from said nozzle and hose to either of said valves through said conduit, and a removable cap normally closing said upper end and being cooperable with said check valve to prevent its sealing the adjacent end of said hose.

2,344,151

METHOD AND APPARATUS FOR TREATING PERISHABLE ARTICLES

Morris Kasser, San Francisco, Calif.

Application September 9, 1940, Serial No. 355,971
16 Claims. (Cl. 99—193)

1. A method of treating vegetable produce which consists of drawing a vacuum in the pres-

ence of moisture on said vegetable produce, then permitting said vacuum to draw onto said vege-

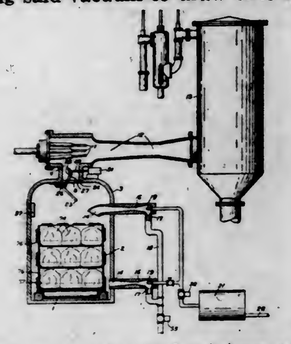


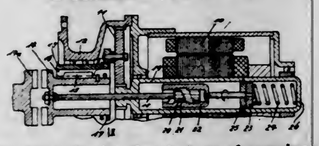
table produce an atomized mixture adapted to inhibit the deterioration of said vegetable produce.

2,344,152

STARTING DEVICE FOR INTERNAL COMBUSTION ENGINES

Hermann Klein, Vaihingen-Rohr, Germany; vested in the Alien Property Custodian

Application March 20, 1942, Serial No. 435,446
In Germany March 11, 1940
4 Claims. (Cl. 74—7)



1. A starting device for internal combustion engines, in which a clutch element adapted to be coupled with the engine is automatically moved into engagement with a portion of the engine by the turning force of the starting device, comprising in combination a clutch element mounted for axial movement into engagement with the engine and provided with a cylindrical hub portion having on its periphery circumferentially spaced radial lugs, a motor, means for axially moving said clutch element upon energization of the motor, including cooperating cam and friction clutch means between the clutch element and the motor, means for rotating the clutch element at relatively low speed including a driving sleeve surrounding the hub portion of the clutch element and provided on its inner periphery with circumferentially spaced radial lugs arranged to engage said lugs on the clutch element after a predetermined idle movement, the spacing of said lugs being such that the axial movement of the clutch element into engagement with the engine is completed before the lugs on the driving sleeve engage the lugs on the clutch element.

2,344,153

METHOD AND MEANS FOR ILLUMINATING OBJECTS

Harry Mills Leonard, Los Angeles, Calif., assignor of one-half to Robert L. Gunn, Los Angeles, Calif.

Application January 31, 1942, Serial No. 429,055
2 Claims. (Cl. 240—1.2)

1. A method for illuminating a field consisting in cyclically moving a pair of beams of light over the surface of said field at a frequency to produce substantially steady, visual illumination on said field, the movement of said beams being in synchronous relation to each other to



cause said beams to merge at a predetermined point to produce an area of intensified illumination in said field.

2,344,154

SULPHONATION PROCESS

Charles H. Lighthipe, Bloomfield, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application December 23, 1941, Serial No. 424,142
11 Claims. (Cl. 260—400)

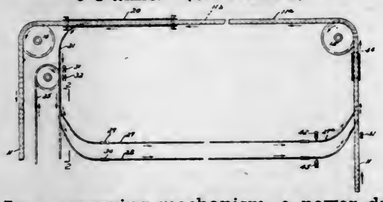
1. Process of making a sulphonated material of high SO_3 having a substantial free fatty acid content from an ester type fatty body susceptible of sulphonation selected from the group consisting of oils, fats and waxes, which comprises subjecting such a body to a sulphonating agent to cause the same to combine with the desired amount of SO_3; saponifying the body to a sufficient degree to produce therein an amount of fatty soaps equivalent to the amount of free fatty acids it is desired to develop in the final body; and splitting said soaps to form the corresponding free acids in the sulphonated mass.

2,344,155

FREE TROLLEY SYSTEM

Jesse E. McBride, Highland Park, and Eugene E. Landahl, Detroit, Mich., assignors to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan

Application April 20, 1942, Serial No. 439,648
6 Claims. (Cl. 104—91)



1. In a conveying mechanism, a power driven chain, a trolley secured for movement with said chain, a pivoted hook suspended from said trolley, a free trolley unit, a track for said free trolley unit positioned at a point in its travel to carry said free trolley under said hook of said power driven trolley whereby said hook of said power trolley connects in positive supporting engagement with said free trolley, a trip mechanism at another point in said power driven trolley system for releasing said hook from connection with said free trolley unit.

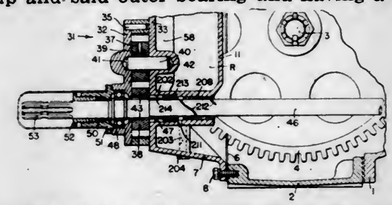
2,344,156

HYDRAULIC POWER LIFT

Elmer McCormick and Merlin Hansen, Waterloo, Iowa, assignors to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa

Original application April 19, 1937, Serial No. 137,651. Divided and this application March 8, 1941, Serial No. 382,385
1 Claim. (Cl. 184—6)

Hydraulic power lift mechanism for tractors and the like having a rear axle casing, comprising a housing mounted on said casing and including a reservoir for hydraulic fluid, a power shaft for driving a hydraulic pump extending through said casing and said housing, an outer bearing positioned in said housing below said reservoir for supporting said power shaft, a sump for said reservoir disposed alongside said power shaft, a communicating passage between said sump and said outer bearing and having a port



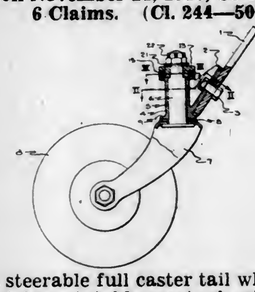
in a side wall of said sump above the lowest part of the latter to prevent foreign matter from the reservoir and sump from settling into said passage, a second bearing for said power shaft positioned in said housing below said reservoir and inwardly of said passage, sealing means within said housing interposed between said inner bearing and said passage, and means for circulating lubricant through said inner bearing from the rear axle casing.

2,344,157

TAIL WHEEL MOUNTING

Belford D. Maule, Jackson, Mich.

Application November 14, 1940, Serial No. 365,585
6 Claims. (Cl. 244—50)



1. In a steerable full caster tail wheel assembly, a completely rotatable part about the axis of which the tail wheel swings, a bracket from which said rotatable part is supported for said swinging movement, an oscillatable part adapted to be oscillated by steering mechanism, means carried by said oscillated part for locking said parts together, a radially extending annular flange about said bracket, the periphery of said flange constituting a cam, a follower operatively connected to said locking means, and means for resiliently urging said locking means into locking engagement with said rotatable part and for continuously urging said follower into operative engagement with said cam, said cam being arranged so as to disengage said locking means from locking engagement with said rotatable part when said oscillatable part oscillates past predetermined limits.

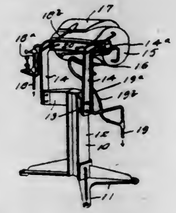
2,344,158

TIRE VULCANIZER

William V. Mase, Anderson, Ind., assignor to C. E. Miller Manufacturing Corporation, Anderson, Ind.

Application December 4, 1941, Serial No. 421,663
2 Claims. (Cl. 18—18)

2. An apparatus for treating tire casings for low-pressure tires of over-size dimensions during repair activities on the casing, wherein the repair material is cured and integrated with the casing by vulcanization, a support, a hollow rigid mandrel carried by the support and dimensioned and contoured to contact and support the inner face of the casing in and in the vicinity of the repair zone, a flexible hollow rubber steam bag dimensioned to overlie and directly contact the outer face of the tread zone of the positioned casing in such repair zone, a reinforced rubber sheet overlying the bag for preventing bag blowouts, controllable connections from a steam supply source to said bag and mandrel respectively, drain connections from the bag and mandrel, and means



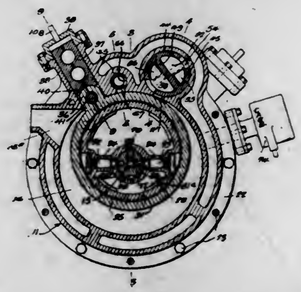
for restraining the outward expansion of the bag during steam delivery to the bag to thereby cause the casing to intimately contact the mandrel and the bag to intimately contact such tread zone of the casing with the contacts under high pressure conditions during steam delivery to the bag and mandrel, said restraining means including an adjustable bar movable toward and from the mandrel, and a winding of flexible tape about the bag and rubber sheet with the bar within the convolutions, said bar being so positioned that adjustment of the bar away from the mandrel exerts tension on the tape, thus rendering the tape active as a positive restraining element for preventing outward expansion of the bag.

2,344,159

ROTARY INTERNAL COMBUSTION ENGINE

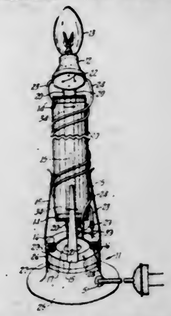
Lonnie Meeks, San Antonio, Tex.

Application August 24, 1942, Serial No. 455,835
6 Claims. (Cl. 123—8)



1. A rotary internal combustion engine including a casing forming therein cylinders in axial alignment, a shaft journalled in said casing axially through said cylinders, eccentrics fixed on said shaft within the cylinders, cylinder-engaging sleeves on said eccentrics, abutments slidably disposed in the casing and pivotally connected to said sleeves, means for initially, individually adjusting each eccentric with respect to the shaft, and means in operative association with the shaft for simultaneously adjusting the eccentrics with respect to the shaft.

2,344,160
ELECTRIC LAMP
George E. Meese, East Cleveland, Herbert C. Wunderlich, Cleveland Heights, and Anthony J. Marshaus, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application April 15, 1942, Serial No. 439,144
9 Claims. (Cl. 240—81)



1. An imitation candle lighting unit comprising, in combination, a vertically disposed double-ended discharge lamp representing the body of a candle and provided with contact terminals at both ends, a socketed pedestal engaged around the lower end of said lamp and provided with connectors for automatically engaging the said contact terminals of said end when the latter is inserted in the pedstal socket, an incandescent lamp socket adapter removably carried by the upper end of said lamp and provided with connectors for automatically engaging the said contact terminals of said upper end when the adapter is applied thereto, an incandescent ballast lamp mounted in said socket adapter to represent the candle flame, and conductors connecting the discharge lamp and ballast lamp in circuit.

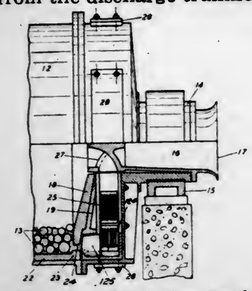
2,344,161
EXHIBITION CASE CONSTRUCTION
Frank L. Michaels, Fort Thomas, Ky.
Application January 28, 1941, Serial No. 376,357
11 Claims. (Cl. 312—140)



2. In a structure of the class described, a pair of complementary strips binding adjacent edges of adjacent panel members, said strips having grooves therein forming a hollow way between said strips, abutting lips on the respective strips disposed within the way, a bar in said way having a groove therein for receiving the said lips therein and threaded members actuatable from the inside of the case for effecting mutual binding relation between the sides of the lips and the sides of the groove in said bar.

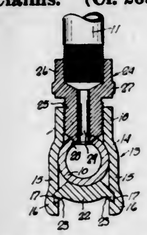
2,344,162
GRINDING MILL DISCHARGE
Starks L. Miller, Denver, Colo., assignor, by mesne assignments, to Richard W. Marland, Denver, Colo.
Application November 26, 1940, Serial No. 367,233
2 Claims. (Cl. 83—9)

1. In a rotary grinding mill, inclusive of a shell having a discharge trunnion and liners for the shell, the improvement which comprises a hollow head member at the discharge end of the mill, end liners supported thereon having their peripheries in spaced relation to the ends of the shell liners to form therewith a continuous peripheral discharge passage from the mill, a series of individually removable hollow grate members radiating from the discharge trunnion within the



hollow head in spaced relation to the end liners, and a laterally disposed diversion lug in the space between each grate member and the peripheral passage for directing material from the passage onto each grate, the interior of the grate members communicating with the discharge passage through the trunnion and the exterior surface thereof being arranged to return oversize to the mill.

2,344,163
SERVICE CONNECTOR
Arthur C. Misch, South Bend, Ind., assignor to M. B. Skinner Company, South Bend, Ind., a corporation of Indiana
Application July 2, 1941, Serial No. 400,725
4 Claims. (Cl. 285—108)

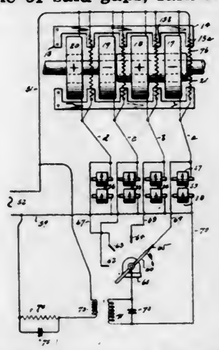


1. A service connector comprising a yoke adapted to fit around a pipe having an aperture defined by a wall, said yoke having opposed end portions and a central tubular internally screw threaded projection, a locking plate spanning said end portions and slidable thereon parallel to said pipe, said yoke and plate normally fitting loosely around said pipe, and a member threaded in said projection and having an axial bore and an end wall complementary to the wall of said pipe aperture, said end wall having full seal-forming face engagement with said aperture wall and said member and plate pressing inwardly upon said pipe at diametrically opposed points when said member is tightened in said yoke projection.

2,344,164
ELECTRORECIPROCAL SYSTEM
Thomas J. Murphy, Stamford, Conn.
Original application October 22, 1936, Serial No. 106,935. Divided and this application June 19, 1941, Serial No. 398,801
4 Claims. (Cl. 172—126)

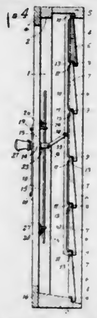
4. In combination, a reciprocating element, a plurality of windings embracing and arranged

along the path of the element with adjacent windings being wound in opposite senses, a main circuit, means for connecting said circuit with a source of alternating current, said circuit comprising a plurality of parallel paths with one of said windings in each path, a discharge gap in each path, said source being of insufficient potential to initiate a flow of current across the gaps, an auxiliary circuit having branches in each of which is one of said gaps, said auxiliary cir-



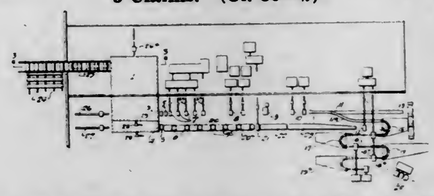
cuit being of sufficiently high potential to initiate a disruptive discharge across said gaps, a non-inductive resistance shunting the winding in each path to permit an initial current flow in the respective paths through said discharge and prolong the discharge sufficiently to permit current from the alternating current supply to flow through the windings, and means in the auxiliary circuit for causing a disruptive discharge of a condenser across said gaps in succession and in synchronism with the current in the main circuit to energize said windings in succession and reciprocate the element.

2,344,165
WINDOW BLIND
José Manuel Novoa, Reparto Alturas de Almendares, Marianao, Cuba
Application November 18, 1941, Serial No. 419,645
In Cuba March 26, 1941
1 Claim. (Cl. 268—96)



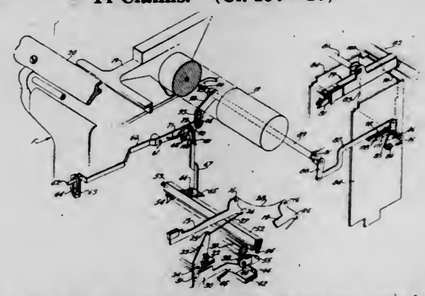
A window blind comprising in combination with a window frame, a plurality of louvers, straight pivot pins on the ends of the louvers whereby each louver is pivoted in the window frame, a shifting bar articulated to all of the louvers, an inner frame having lateral boards overlying a portion of the window frame, and a manipulating mechanism comprising a handle guided for rectilinear movement in the lateral board of the inner frame on one face thereof, a block connected to the handle on the opposite face of the inner board, a straight rod to which the block is fixedly connected, means on said opposite face of the inner board for guiding the rod and block in a rectilinear path, and a link pivotally connected to said block and to said shifting bar respectively, said shifting bar, link, block and guiding means being hidden from view behind the lateral board of the inner window frame.

2,344,166
ROLLING MILL
Edward T. Peterson, Reading, Pa.
Application February 25, 1942, Serial No. 432,337
5 Claims. (Cl. 80—2)



1. A rolling mill set-up comprising a billet heating furnace provided with a pair of exit doors, one of said doors being spaced from and at a lower elevation than the other, and separate roughing mills associated with each door, one of said mills being of the three-high type.

2,344,167
TYPEWRITING MACHINE
Henry L. Pitman, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 26, 1941, Serial No. 424,489
14 Claims. (Cl. 197—17)

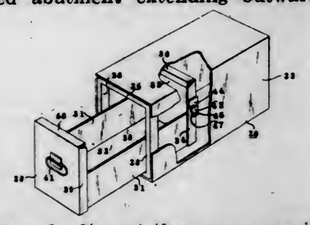


4. In a typewriter having a traveling carriage, the combination of a power driver, a type actuator connectible to and operable by the driver in a typing stroke, a shiftable device, means positioning said device to disengage the actuator from the driver at a predetermined instant before the end of the stroke which is then completed by momentum of the actuator, and means operable under control of the carriage at predetermined points in its travel for changing and restoring the position of said device automatically.

2,344,168
FILING CABINET
Walter F. Regenhardt, Wooster, Ohio
Application May 31, 1941, Serial No. 396,000
3 Claims. (Cl. 45—7)

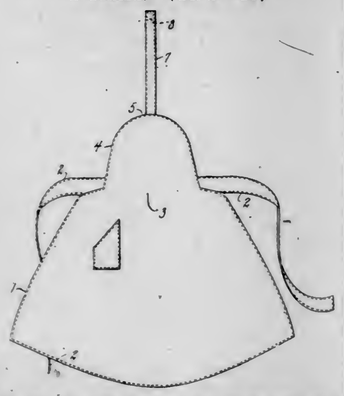
3. In combination, a casing having an opening in one end; a drawer slidable through said opening and into the casing, said drawer having side walls, the top edges of said side walls terminating substantially below the top edge of the cas-

ing forming the opening, when the drawer is in the opening, whereby the drawer can be tilted upwardly, laterally with respect to the casing and rotated about its longitudinal axis when partially removed from the casing; an abutment on one side of the casing, said abutment extending inwardly; and an abutment on one side of the drawer adjacent the rear thereof, said second mentioned abutment extending outwardly and



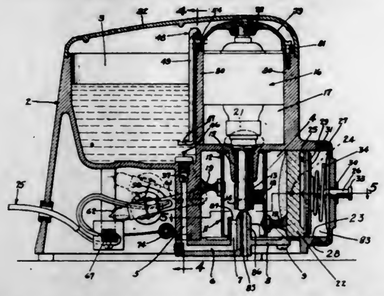
being disposed adjacent the upper margin of the respective side wall of the drawer, said abutments being in alignment with one another when the drawer is at rest in the casing and engageable with one another when the drawer is extended from the casing during normal use, the first mentioned abutment having a portion adjacent the bottom of the casing for engaging the second mentioned abutment when the drawer is extended and the forepart thereof is tilted upwardly.

2,344,169
BIB POSITIONING MEANS
Bertha Mae Risser, Toledo, Ohio
Application November 10, 1941, Serial No. 418,461
1 Claim. (Cl. 2—48)



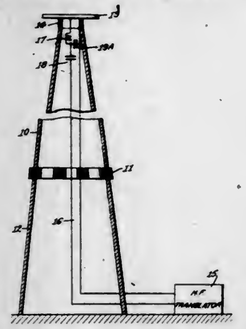
In an apron having a bib portion, a flexible strap portion extending from the upper end of the bib portion, the strap portion being of uniform width throughout its length, and a weight of flat formation concealed within the free end of the strap portion providing a weighted free end portion of substantially the same thickness as the body of the strap portion, the weighted end of said strap portion being adapted for insertion within the neck opening of a garment whereby it is free to descend on the inside of the garment and thereby cause the strap portion to hold the bib portion in upright protecting position, the weighted end of the strap portion providing for automatic adjustment of the strap portion with respect to the edge of the neck opening for holding the bib portion in position irrespective of body movements and neck openings of various forms with which the strap portion may be associated.

2,344,170
LATHER MIXING MACHINE
Melvin Rolstad and Harry E. Cullen, Minneapolis, Minn., assignors to Rolstad Manufacturing Company, Minneapolis, Minn., a partnership
Application April 21, 1941, Serial No. 389,630
8 Claims. (Cl. 299—83)



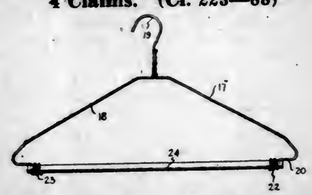
1. In an apparatus of the class described, a one-piece casing providing a water chamber and a lather chamber having soap holding means associated therewith, a conduit for conducting water from the water chamber into the lower portion of the lather chamber, a valve in said conduit, lather forming means in the lather chamber including a motor having a control switch, an operating lever for the control switch, and a U-shaped valve operating member having one leg operatively connected to said lever and having its other leg depending into the water chamber and positioned to engage and open the valve to admit water into the lather chamber, each time the lever is operated to close the motor switch.

2,344,171
TOWER TYPE ANTENNA
Melvin A. Rote, Newark, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application April 4, 1942, Serial No. 437,639
13 Claims. (Cl. 250—33)



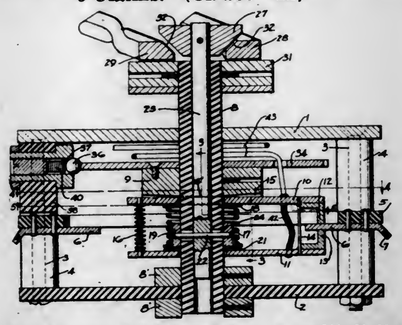
3. A radio antenna system comprising a hollow conductor means extending from a position adjacent to a feeding point to a distant point, a capacity element spaced in insulated relation slightly beyond the distant end of said conductor means, a balanced two conductor feeder means extending from said feeding point substantially to said distant point, and means for preserving the balance of said line while serving to couple one conductor of said line to said capacity element and the other conductor of said line to said distant point.

2,344,172
GARMENT HANGER
Andrew A. Ruen and David A. Ruen, Highland Park, Mich.
Application April 8, 1941, Serial No. 387,430
4 Claims. (Cl. 223—88)



1. A garment hanger of the class described, comprising: a pair of diagonally directed wire supporting arms; an inwardly turned portion on the end of each of said arms coiled to provide a nut-forming portion on said inwardly turned portion; and a rigid strut threaded at its opposite ends into said nut-forming portions.

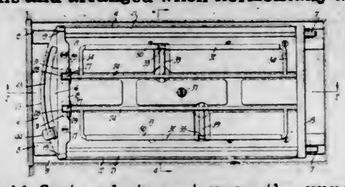
2,344,173
SWITCH
Arthur C. Ruge, Cambridge, Mass.
Application March 11, 1942, Serial No. 434,179
9 Claims. (Cl. 200—11)



1. An electric switch having a multiplicity of switching positions, comprising a plurality of selectable contacts disposed in different positions, a cooperating contact slidably engageable with any one of said selectable contacts, means for supporting said selectable and cooperating contacts in operative relation to each other, means for exerting a clamping pressure between the selected contact and said cooperating contact, and means for reducing said clamping pressure whereby the remaining pressure provides a wiping pressure between said contacts when said cooperating contact slides from one contact to the other.

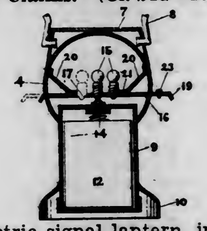
2,344,174
ADJUSTABLE BROILER GRID
Philip R. Samwell and William A. Pentecost, Oakland, Calif., assignors to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of Nevada
Application September 30, 1939, Serial No. 297,384
3 Claims. (Cl. 126—41)

1. An elevating mechanism for an adjustable grid for a broiler having a supporting unit in the broiler compartment defining a horizontal partition, with a substantially unobstructed front; comprising, a pair of parallel rods pivotally supported upon said unit and extending longitudinally of the compartment adjacent the center thereof, rods extending parallel to and connected with said first rods and movable therewith from substantially horizontal to substantially vertical alignment thereto, said second mentioned rods being maintained in horizontal alignment in all positions and arranged when horizontally aligned



with said first rods to rest upon the upper side of said unit and provide with said first rods grid rests at the central and side portions of the compartment, and means carried by said partition and mounted between said first rods for rotating said last named rods.

2,344,175
SIGNAL LANTERN
Roy C. Shannon, Denver, Colo.
Application March 11, 1942, Serial No. 434,194
5 Claims. (Cl. 240—10.63)



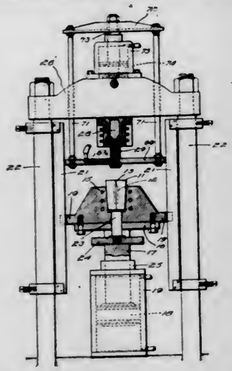
3. An electric signal lantern, including a casing carrying at least one focusing lens, and a plurality of lamp bulbs, only one of which may be lighted at one time and the remainder of which are carried in reserve, comprising a movable metal carrier having threaded sockets for said lamps, a battery housing, a contact extending from said battery housing to be contacted by the extending central contact of a lamp, and a movement-limiting metal member adapted to exert pressure againts said carrier and completing the lamp circuit through said battery housing and said casing and arranged to contact a lamp not in operation to determine the operative position of the lamp whose central contact is connected with said battery.

2,344,176
METHOD OF AND MACHINE FOR MOLDING PLASTICS
Frank H. Shaw, South Orange, N. J., assignor to Shaw Insulator Company, Irvington, N. J., a corporation of New Jersey
Application October 11, 1938, Serial No. 234,346
6 Claims. (Cl. 18—30)

2. A machine for molding plastics comprising a loading chamber, a plunger reciprocable in said chamber and extending through the bottom thereof, said plunger having a passage therethrough; means for controlling the temperature of said plunger, a die, means for moving said die into engagement with said plunger to force it upwardly into said loading chamber to charge said die with plastic material from said loading chamber, and means for forcing preheated plastic material into said loading chamber.

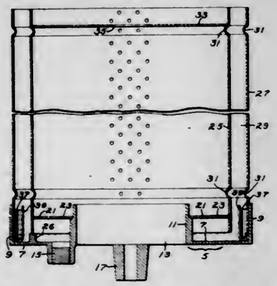
6. Apparatus for molding plastic material of the type which reacts to permanently infusible condition when sufficiently heated and subjected to pressure, which comprises a loading chamber,

an elongated nozzle having a narrow passage therethrough, a die, means for applying pressure to material in said loading chamber to deliver such material through said passage into said die, means for controlling the temperature of said loading chamber to properly heat condition the material therein for delivery to said die, means for heating said die to react to infusibility the material delivered thereto, means independent of



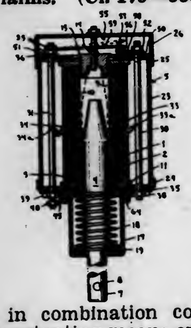
the means for controlling the temperature of said loading chamber and of the means for heating said die for controlling the temperature of said nozzle and to prevent such reaction of material in the passage in said nozzle as would clog said passage and prevent the delivery of additional mold charges through said passage to said die, and means for moving said die into and out of engagement with said nozzle.

2,344,177
BURNER
Ralston M. Sherman, Glastonbury, Conn.
Application April 18, 1940, Serial No. 330,340
3 Claims. (Cl. 158—87)



1. A combustion tube oil burner having, in combination, a base formed to provide on its upper side a broad endless fuel channel and an air admission opening surrounded by said channel, an inner vertical perforated combustion tube enclosing an air chamber supplied with air through said air admission opening, an outer vertical perforated combustion tube surrounding said inner combustion tube in spaced relation thereto to form a combustion chamber between them, the lower end portions of both of said combustion tubes entering said fuel channel and extending into proximity with the bottom thereof, the inner combustion tube being materially spaced from the inner wall of said fuel channel and having its lower edge slightly spaced from the bottom of said channel, means providing an oil vaporizing and carbureting chamber within said fuel channel comprising a metal plate overlying the bottom of said fuel channel between the inner wall of the latter and said inner combustion tube, which plate and the portion of said inner tube below the plane of said plate are in substantially unobstructed heat conducting relation to the vapor space of said oil vaporizing and carbureting chamber for freely transferring heat thereto for vaporizing oil therein, said plate being formed with openings for passage of air from said air chamber to said oil vaporizing and carbureting chamber for admixture with the oil vapors in the latter to form a combustible mixture, whereby during normal operation of the burner such combustible mixture will be conducted beneath the lower edge of said inner combustion tube from the last mentioned chamber to the bottom of the combustion chamber so that combustion may be maintained at the bottom of said combustion chamber within said fuel channel.

2,344,178
ELECTROMAGNETIC DEVICE
Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 6, 1941, Serial No. 417,998
9 Claims. (Cl. 175—335)



1. A device in combination comprising, coil means, plunger actuating means operable by said coil means for translation to a first position, electromagnetic means for accomplishing the translation of the plunger to said first position and retention thereof in said position, means including a switch and circuits operable to modify the operation of the coil means to decrease the magnetic energization from the value required for translation of the plunger to the first position to a value sufficient to retain the plunger in the first position, casing means including casing members, members extending into the casing means to form terminal connecting means for the coil and for securing the casing members, and said securing members extending beyond the casing means to form terminal means for the supply of power to said coil means and to said switching means.

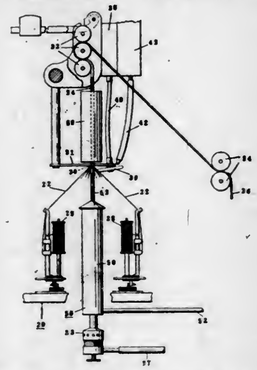
2,344,179
ETHYL ETHER OF DEXTRAN
Grant L. Stahly, Columbus, Ohio, and Warner W. Carlson, Pittsburgh, Pa., assignors, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
No Drawing. Application November 24, 1939, Serial No. 305,936
13 Claims. (Cl. 260—209)

4. The method of making ethyl ether of dextran which comprises reacting an aqueous alkaline solution of dextran with diethyl sulphate.

2,344,180
SOLUBLE BENZYL ETHER OF DEXTRAN
Grant L. Stahly, Columbus, Ohio, and Warner W. Carlson, Pittsburgh, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
No Drawing. Original applications February 26, 1938, Serial No. 192,887, and October 21, 1941, Serial No. 415,936. Divided and this application July 19, 1943, Serial No. 495,361
2 Claims. (Cl. 260—209)

1. In a single-stage method of producing soluble benzyl ether of dextran: reacting an aqueous solution of dextran with benzyl chloride in mole ratio of from 4:1 to 6:1 (benzyl chloride to dextran) in contact with sodium hydroxide in weight ratio of from 3:3.2 to 3:4.5 (dextran to sodium hydroxide) at a temperature of at least 75° C. to a maximum of substantially 185° C. over a period of from three to ten hours, whereby there is formed a benzyl dextran soluble in solvents selected from the class consisting of acetone, cellosolve, dioxane, ethyl acetate, diacetone, mesityl oxide and chloroform.

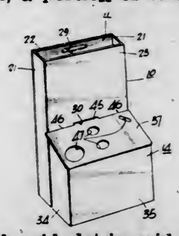
2,344,181
METHOD OF AND APPARATUS FOR TREATING CLOTH
George A. Stone, Columbus, Ohio
Application August 3, 1940, Serial No. 350,536
20 Claims. (Cl. 87—1)



17. The process of manufacturing a resilient and elastic tube from glass strands, which consists in coating the strands with a wet solution containing a substance, which when dried forms a resilient body and which adheres to the strands, then entwining the strands for forming a tube, and then drying the wet solution on the strands by forcing a drying fluid through the walls of the tube.

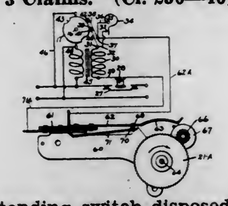
2,344,182
DISPLAY DEVICE FOR SUCTION CLEANING APPARATUS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 25, 1941, Serial No. 416,460
5 Claims. (Cl. 206—44)

1. A device for displaying or carrying vacuum cleaner attachment members including a hose and a plurality of smaller attachment members, said device including a wall structure defining a first compartment having an opening in its top through which the hose is inserted into said compartment, one of the walls of said compartment having a slot therein, another wall structure defining a second compartment comprising side walls hingedly connected to said first compartment, a front wall hingedly connected to said side walls, and a top wall hingedly connected to said front wall, a portion of said top wall pro-



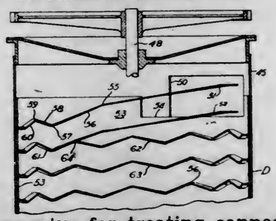
jecting through said slot in said wall of the first compartment to hold said second compartment expanded, and means whereby small attachment members are held in position on said top wall for displaying or carrying.

2,344,183
BURNER CONTROL FOR TENDING FIRE
Lawrence R. Teeple, Portland, Oreg.
Application February 8, 1941, Serial No. 378,093
3 Claims. (Cl. 236—46)



1. A fire tending switch disposed in the motor control circuit of a stoker consisting of a pair of switch blades normally closed by spring action, one of said blades having an arcuate extension formed thereon, a continuously rotating time driven gear associated with said switch, a planetary pinion meshing with said gear and having a disc mounted thereon, said disc passing under said arcuate extension in a manner to move same and thereby open said switch, and whereby said disc may be manually moved to said switch opening position and driven by said gear to a switch closing position.

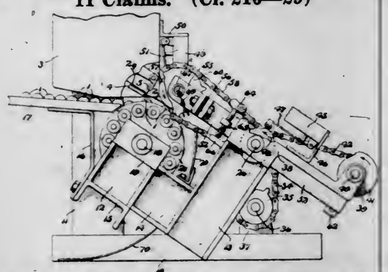
2,344,184
HEAT EXCHANGE APPARATUS
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 21, 1941, Serial No. 389,551
10 Claims. (Cl. 99—365)



1. In apparatus for treating canned goods, a heat exchange chamber, a spirally trending canway to guide the cans through said chamber, and means in said chamber movable with respect to said canway to engage and advance the cans along said canway, said spirally trending canway having laterally undulated opposite walls where-

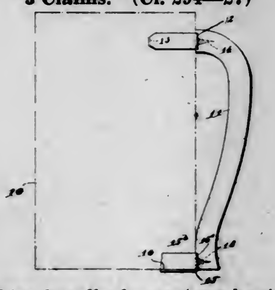
by the cans are reciprocated by said walls as they are advanced along said canway by said movable means.

2,344,185
LABELING MACHINE
Howard B. Tuthill, Grand Rapids, Mich., assignor to Oliver Machinery Company, Grand Rapids, Mich., a limited partnership of Michigan
Application May 17, 1943, Serial No. 487,233
11 Claims. (Cl. 216—29)



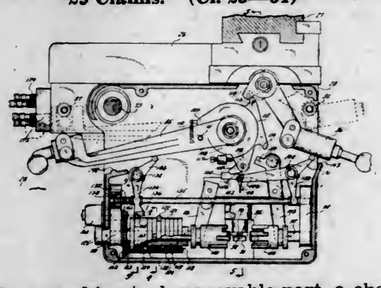
1. In a labeling machine attachment adapted to be placed in conjunction with a label feeding and severing machine, a rotatively mounted holder for articles to be labeled comprising, a wheel spool having spaced sides and spaced rollers mounted thereon substantially equal distances apart circumferentially of and near the peripheral edges and between the sides of said spool, whereby on rotation of said spool cylindrical articles are received therein at its upper side one after another between consecutive rollers, means for rotating said spool in step by step movements with intervals of rest between said movements, each step of movement being a predetermined distance for the receiving of an article to be labeled, means for feeding and severing labels in succession from the end of a continuous strip of connected labels one for each article at the intervals between rotative movements of said article carrying spool with the advanced edge portion of each label located against the upper side of its respective article, a rotatable presser means located above and adapted to be brought against said edge portion of a label when located against the article to which it is to be applied, and means for driving said presser member to rotate the article having the label thus located and to wrap said label on said article from its advanced edge to its rear edge around the article, said article being rotatively driven by the rotatable presser member.

2,344,186
HOLDER
Harry Eri Upham, Wakefield, Mass.
Application March 29, 1943, Serial No. 481,062
3 Claims. (Cl. 294—27)



1. A holder handle for cartons having a lower bracket provided with a spur member engaging with said carton and an upper bracket, said upper bracket having opposed spur members engaging with said carton, a handle member connecting with said upper and lower brackets.

2,344,187
MACHINE TOOL
John J. N. Van Hamersveld, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application May 23, 1942, Serial No. 444,251
29 Claims. (Cl. 29—64)



1. In a machine tool, a movable part, a change speed transmission for imparting different rates of feeding movement to said part and movable bodily therewith, means operatively associated with said transmission and indexible to select or preselect the different rates of movement for said part and actuatable to obtain the selected or preselected rates of movement, power operated means for indexing said last means and movable with said part, and control means for said power operated means and movable with said part, said control means being operatively connected with said first named means for actuating the same.

2,344,188
PROCESS OF PREPARING DIBENZYL
Robert H. Van Schaack, Jr., Evanston, Ill.
No Drawing. Application February 18, 1942, Serial No. 431,381
10 Claims. (Cl. 260—668)

1. A process of preparing dibenzyl which comprises mixing benzol with ethylene dichloride in the presence of a Friedel-Crafts catalyst and the high boiling residue of a previous reaction between benzol and ethylene dichloride, said residue being soluble in the reaction mixture and heating the mixture.

2,344,189
WRINKLING ENAMEL AND METHOD OF MAKING
William A. Waldie, Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application May 3, 1939, Serial No. 271,591
2 Claims. (Cl. 106—228)

1. A composition of matter adapted for use as a pigmented wrinkling enamel composition, comprising resin, metallic drier, raw China-wood oil, boiled linseed oil and solvent thinner, said varnish composition having incorporated therewith 2 to 5 per cent of free vegetable drying oil fatty acids dissolved in solvent and having a pigmented paste including a color pigment and asbestine incorporated in the mixture to provide a wrinkle finish enamel which when applied as a coating film and dried produces a wrinkled textural pattern so fine as to be practically invisible to the naked eye.

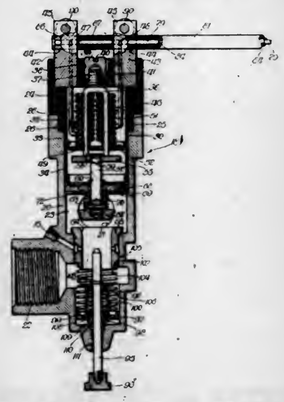
2,344,190
PREPARATION OF DEXTRAN ACETATE
William A. Waldie and John E. Bersuder, Dayton, Ohio, assignors, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
No Drawing. Application May 20, 1940, Serial No. 336,193
2 Claims. (Cl. 260—234)

2. A method of making dextran acetate comprising heating a mixture of dextran, acetic anhydride, glacial acetic acid, and a catalyst consisting of one of the group sulphuric acid, phosphoric acid and mixtures of phosphoric acid and sulphuric acid to approximately 90° C. for about two hours until the reaction is substantially completed and thereafter separating dextran acetate therefrom, the ratio of acetic anhydride to glacial acetic acid being substantially 4:1 and the catalyst being present in amount from 0.003% to 0.01%.

2,344,191
CRYSTALLIZING COATING COMPOSITION
William A. Waldie, Dayton, Ohio, assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
No Drawing. Application April 12, 1941, Serial No. 388,340
6 Claims. (Cl. 106—173)

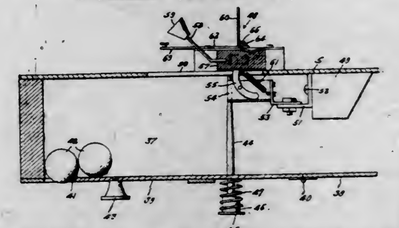
1. A crystallizing coating composition comprising: 4 to 6 gallons of a solution consisting of 14 to 18 pounds of acetanilide dissolved in 6 to 10 gallons of alcohol; 6 to 8 gallons of a solution comprising 150 to 170 pounds ethyl cellulose, 115 to 120 gallons hydrocarbon solvent and 18 to 22 gallons of butanol; and 1 to 4 gallons of amyl alcohol.

2,344,192
LEAD CONNECTOR
Clarence Wantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original application November 10, 1938, Serial No. 239,790, now Patent No. 2,307,870, dated January 12, 1943. Divided and this application August 10, 1939, Serial No. 289,391
5 Claims. (Cl. 136—4)



1. In combination, a thermoelectric control device having terminal members provided with substantially aligned openings, a thermocouple and lead conductor comprising an outer metallic tubular thermocouple member, an inner metallic thermocouple member joined to said outer thermocouple member to form a thermal junction, an outer tubular lead conductor joined to said outer thermocouple member to form a second thermal junction, an inner lead conductor joined to the inner thermocouple member to form a third thermal junction and extending from the opposite end of the tubular lead conductor, the end of the tubular lead conductor being adapted to enter the opening in one of said first terminal members for contact with said member, a terminal on the extending end of said inner lead conductor adapted for insertion through the opening in one of said terminal members and into the opening in the other terminal member for contact therewith in entering the tubular conductor in the other terminal member, a support on said thermoelectric control device for supporting said terminal members in insulated spaced relation independently of said lead conductor means, an insulating sleeve surrounding the extending end of said inner lead conductor and positioned endwise between the terminal on said inner lead conductor and the end of said outer lead conductor, said terminal members being of split form adjacent the openings therein, and means for clamping the split portions of said terminal members in contact with the terminal at the end of the inner lead conductor and with the outer tubular lead conductor respectively.

2,344,193
GAME APPARATUS
Glen F. Woodward, Chicago, Ill., assignor of forty-five per cent to Peter Koss, Chicago, Ill.
Application November 28, 1941, Serial No. 420,883
1 Claim. (Cl. 273—90)



In a game board of the class described, a catapult for throwing a projectile comprising a pair of laterally spaced arms pivotally mounted in the board for vertical swinging movement, a projectile supporting block fixed between said arms and having a projectile backing member thereon, spring means for swinging said arms in one direction, and means for releasably blocking movement of said arms in said direction comprising a latch bar slidably mounted for advance and retraction into and from latching position, respectively, and spring loaded to advance the same, and coacting devices on said bar and one arm, respectively, for camming said bar into retracted position under movement of said arms in the opposite direction.

2,344,194
ROSIN BASE RESIN
Gilbert R. Anderson, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 22, 1941, Serial No. 389,733
19 Claims. (Cl. 260—26)

1. A resin comprising a hard, stable, oil-soluble ester of a polypentaerythritol, a rosin acid

and an alpha-beta unsaturated polycarboxylic acid, the amount of the said alpha-beta unsaturated polycarboxylic acid employed in the resin being equivalent to an amount of maleic anhydride between about 1% and about 9% by weight of the said rosin acid, and the rosin and polycarboxylic acid groups being substantially completely esterified.

2,344,195
BRAZING FLUX
Harry L. Anthony and James C. Turnbull, Pittsburgh, Pa., assignors to Scaife Company, Oakmont, Pa., a corporation of Pennsylvania
No Drawing. Application March 3, 1943, Serial No. 477,850
8 Claims. (Cl. 148—26)

1. A brazing flux comprising reaction product of a neutral alkali metal fluoride, alkali metal tetraborate, boric acid and water in amounts such that an endothermic effect occurs upon mixing them, and the composition being in the form of a paste product resulting from heating after the occurrence of said effect.

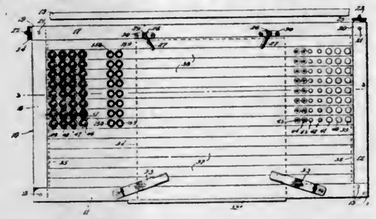
2,344,196
GAS-HEATED SOLDERING IRON
Joshua Attias, New York, N. Y.
Application January 16, 1942, Serial No. 426,999
2 Claims. (Cl. 158—26)



1. A gas heated soldering iron comprising a gas tube composed of an inlet tube section and a burner tube section of a smaller diameter than the inlet tube section having their inner ends connected together and being disposed in axial alinement, a handle surrounding and secured to the inlet tube section and disposed inwardly of the ends thereof, a cylindrical casing having a co-axial nipple portion at one end threaded to said inlet tube, said casing being spaced from the burner tube section and having its other end open and terminating in a plane short of the outer end of the burner tube section, air inlet openings provided in said casing, a soldering bit having a combustion chamber opening through the inner end thereof, the inner end of said soldering bit telescoping the outer open end of said casing and being fixedly secured thereto, the outer free end of the burner tube section extending into said combustion chamber, said soldering bit having combined peep and exhaust openings provided therein establishing communication between said combustion chamber and the atmosphere.

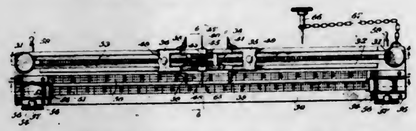
2,344,197
CONTROL PANEL AND THE LIKE
Henry H. Barnard, Washington, D. C.
Application November 27, 1941, Serial No. 420,727
5 Claims. (Cl. 20—0.5)

1. A control panel for controlling and operating a trend analyzer and indicating device comprising four sections forming a rectangle and each section having a plurality of tongues, two of said sections being secured to each other by means of the tongues, the third section being hinged to the two secured sections and the fourth section being separable from the hinged section, and the secured sections, a plurality of control bars secured between two opposite sections, and cooperating means on the ends of each bar and



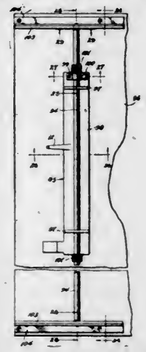
the sections in which the bar is secured to rigidly hold the bars in the sections and forming with the latter the control panel.

2,344,198
INDICATING DEVICE
Henry H. Barnard, Washington, D. C.
Original application December 5, 1940, Serial No. 368,696. Divided and this application January 26, 1942, Serial No. 428,302
14 Claims. (Cl. 116—135)



4. A manually operable indicating device comprising a base plate, a central indicating slider and pointer and a pair of indicating sliders each having a pointer slidably mounted on the base plate with the pair of sliders mounted one on each side of the central indicating slider, and means on the base plate to guide the sliders toward and away from each other and in contact with each other and when the sliders are in contact with each other all three of their pointers will terminate at a common point.

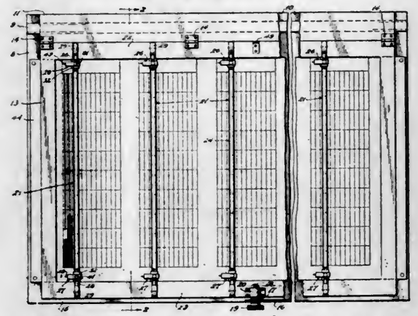
2,344,199
MOUNTING AND ADJUSTING DEVICE FOR RECORDING INSTRUMENTS
Henry H. Barnard, Washington, D. C.
Application February 26, 1942, Serial No. 432,517
4 Claims. (Cl. 33—32)



1. In combination with an indicating and recording instrument, a device for mounting and adjusting the instrument on a support comprising a pair of bars mounted in spaced relationship and parallel to each other on the support and each having a downwardly extending gear

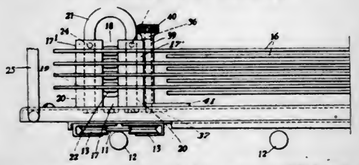
rack, a shaft rotatably secured to the instrument and having a gear on each end meshing with its respective rack, and means on each end of the shaft to rotate the shaft and move the instrument in a direction parallel to the bars.

2,344,200
RECORDING MACHINE
Henry H. Barnard, Washington, D. C.
Application April 27, 1942, Serial No. 440,721
7 Claims. (Cl. 33—36)



1. A recording machine comprising a base support having a dove-tail projecting rail thereon, a bar having a dove-tail groove therein mounted on the support and slidable on the dove-tail projecting rail, a frame hingedly secured on the bar and having an opening therein, and a line marking unit secured on the frame and adapted to draw a line through the opening in the frame on a record sheet on the base support.

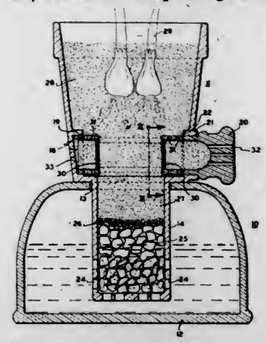
2,344,201
CARBON-SHEET SUPPORT FOR TYPEWRITERS
Claude Wellington Brumhill, Leicester, England, assignor to Imperial Typewriter Co. Ltd., Leicester, England
Application January 30, 1942, Serial No. 428,965
In Great Britain February 26, 1941
8 Claims. (Cl. 282—3)



1. In a carbon support for a manifolding typewriter, for use in the production of a plurality of carbon copies through the medium of carbon sheets interleaved with paper sheets to travel towards the typewriter platen: carbon blade mounting means comprising a socket member having superimposed blade slots across it for the reception of the blades in a tier; and locking means for locking the blades in said slots and for permitting their mounting therein or removal therefrom one by one.

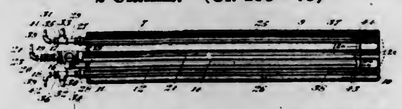
2,344,202
PLANT RECEPTACLE
Elmer Carlson, East Palestine, Ohio
Application August 22, 1942, Serial No. 455,685
12 Claims. (Cl. 47—38)

1. An irrigating plant receptacle comprising in combination a water reservoir, a soil and plant container having a lower portion extending into said reservoir, water inlet openings in the bottom



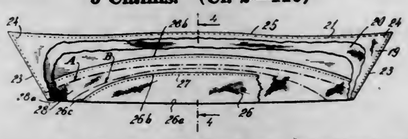
part of said lower portion, and means to vary the effective intercommunication area between the upper and lower portions of said container.

2,344,203
COMBINATION BURNER
James A. Creighton, Hamburg, N. Y., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 12, 1940, Serial No. 345,092
2 Claims. (Cl. 158—73)



1. A burner unit for a regenerative open hearth steel furnace, comprising a plurality of tubes arranged horizontally in parallel alignment to each other, means for supplying steam to the tubes, a smaller liquid fuel pipe extending through each of said tubes and secured therein, means for supplying liquid fuel to said smaller pipes, an oval outer casing surrounding the tubes, end plates welded to front and rear ends of said tubes and outer casing, a forwardly extending T-shaped water inlet pipe in the bottom part of the outer casing, a plurality of nipples projecting from the transverse pipe and directed toward the front end plate, means for supplying cooling water through the water inlet pipe and nipples, and means for discharging the spent water.

2,344,204
SHIRT
Jerome N. Doumaux, Great Neck, N. Y., assignor to The B. V. D. Corporation, New York, N. Y., a corporation of Delaware
Application June 18, 1943, Serial No. 491,319
5 Claims. (Cl. 2—116)



1. In an all-purpose shirt, an attached collar comprising similar inner and outer facings attached along the inner edges thereof to the body of the shirt along the edge of the neck opening, the free and end edges of the facings being secured together and the end edges being inclined to the longitudinal axis of the collar to form

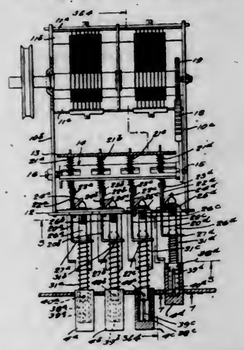
points, an interlining of the same shape as the facings lying between and secured to the latter along the edges thereof, a stiffening element between the facings and extending outward from the inner edges thereof, said element terminating short of the end edges of the facings and having a convexly curved outer edge lying slightly inward from the lines along which the collar is folded when in use, and a fold shaping member between the facings and extending outward from the inner edges thereof, said member having ends substantially coinciding with the inclined end edges of the facings, with the outer edge of said ends terminating a substantial distance inwardly from the points, and also having a convexly curved outer edge lying outward beyond the curved edge of said element, the portion of the member outside the element covering the area in which lie the fold lines of the collar when the latter is worn either open or closed.

2,344,205

PUSH-BUTTON TUNING MECHANISM

Henry C. Forbes, Eggertsville, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.

Application June 19, 1941, Serial No. 398,741
2 Claims. (Cl. 74—10)



1. In a manually operated push button tuner, in combination, a variable tuning element, a rocker bar operatively connected to said element, a plurality of plungers mounted for sliding movement toward and away from said rocker bar, each plunger having an adjustable tappet for engaging said rocker bar, screw threaded clamping means mounted on each plunger for engaging its tappet, a sleeve longitudinally slidable on each clamping means, a push button mounted on each sleeve, resilient means opposing motion of said sleeve on said clamping means, a detent normally preventing motion of each plunger, and means for tripping said detent upon predetermined movement of said sleeve with respect to said plunger.

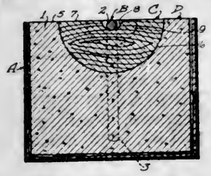
2,344,206

METHOD AND APPARATUS FOR PROVIDING LIFTING HOOKS AND RECESSES IN CONCRETE BLOCKS

George P. Forni, Emeryville, Calif.

Application July 13, 1942, Serial No. 450,814
6 Claims. (Cl. 25—118)

1. A device for supporting a U-shaped lifting hook in a concrete block while the latter is setting and comprising a float in the shape of a half a disc, the diametrical flat edge of the float having a centrally disposed and transversely extending groove for receiving the U-shaped portion of the hook, the flat edge of the float lying flush with the top of the concrete block while it is setting, the rounded edge and transverse groove of the float permitting it to be rotated about the



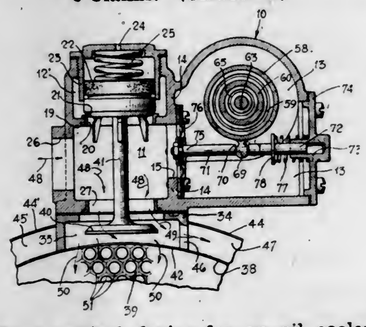
U-shaped portion as a pivot to remove the float after the concrete has set to a point to support the hook, but prior to the complete setting of the concrete.

2,344,207

SHUTTER CONTROL WITH PRESSURE COMPENSATION

Andrew L. Hannon, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Inglewood, Calif., a corporation of California

Application September 29, 1942, Serial No. 460,133
6 Claims. (Cl. 257—2)



1. In a control device for an oil cooler, the combination of: a torsional thermostat having one end thereof mounted on a rotatable support; a control member connected to the other end of said thermostat, said control member being moved in forward direction by said thermostat when said thermostat is subjected to a rise in temperature; a movable wall; means connected to the inlet of said cooler for applying pressure to said movable wall to move the same in response to an increase in pressure in said cooler; and means connecting said movable wall to a peripheral portion of said rotatable support to rotate the same in reverse direction relatively to said forward direction when said movable wall is moved in response to an increase in pressure in said cooler.

2,344,208

PROCESS FOR REGENERATING A "SPENT" NOBLE METAL OXIDE HYDROGENATION CATALYST

William J. Kirkpatrick, Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 26, 1941, Serial No. 385,305
12 Claims. (Cl. 252—238)

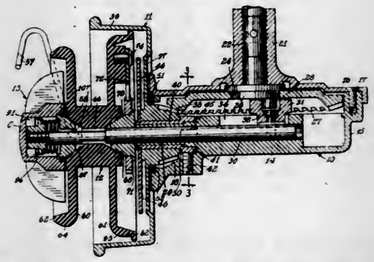
1. The process for regenerating a "spent" noble metal oxide hydrogenation catalyst, supported on an inert, granular, substantially non-porous support material, which process comprises heating the "spent" catalyst at a temperature within the range of from about 50° C. to about 500° C. for a period of from about 15 minutes to about 60 minutes, dissolving the noble metal by treatment of the catalyst with a solvent for the noble metal, adding an alkali metal nitrate and water, heating the mixture at a temperature within the range of from about 450° C. to about 550° C. to form a noble metal oxide, and extracting water-soluble impurities from the product.

2,344,209

FISHING REEL

Charles B. Lowe, Stamford, Conn., assignor to Bache H. Brown, New York, N. Y.

Application September 26, 1942, Serial No. 459,751
8 Claims. (Cl. 242—84.6)



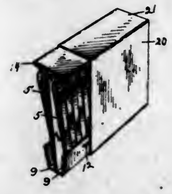
1. In a fishing reel, a driving-unit comprising a driving-gear, a gear-housing accommodating said gear and including a barrel-like bearing; a head-unit comprising a sleeve-like bearing mounted for longitudinal adjustment on the first mentioned bearing, a driven-gear journaled on the second mentioned bearing and meshing with said driving gear, and a pick-up casing secured to said driven gear; an interlocking connection afforded between said gear-housing and the second mentioned bearing, whereby that bearing is maintained against rotation with respect to the first mentioned bearing; and securing means functioning in conjunction with the second mentioned bearing for maintaining it against longitudinal displacement with relation to the first mentioned bearing and for maintaining said units in an assembled relation to each other.

2,344,210

BOOK MATCHES AND COVER

Clarence H. Macbeth, Oakland, Calif.

Application December 15, 1941, Serial No. 423,061
3 Claims. (Cl. 206—29)



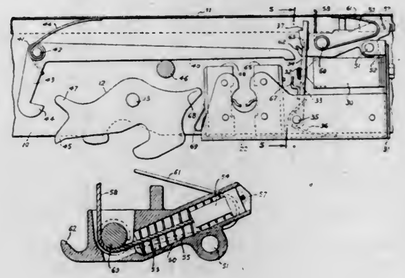
1. A match package comprising a casing having open ends, a filler for said casing comprising partitioning means frictionally receivable in said casing through an open end thereof and having a gang of matches affixed on opposite sides thereof and supported thereby, said partitioning means comprising a sheet of material folded to provide laterally extending wings whose overall width substantially equals the internal width of said casing.

2,344,211

BOMB RELEASING RACK

Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey

Application May 21, 1942, Serial No. 443,906
7 Claims. (Cl. 89—1.5)



1. A bomb rack having in combination, a supporting frame, a bomb supporting hook pivoted in said frame, a toe formed on said bomb supporting hook, a solenoid mounted in said frame, a pivoted lever operatively connected with the core of said solenoid so that its movement is controlled by said solenoid, and a bell crank the end of one of its arms engaging the free end of said pivoted lever, said pivoted lever being pivoted at the side of the arm toward which it is being urged by the weight of the bomb, and said arm being positioned at substantially right angles to said pivoted lever, and the end of the other arm engaging said toe on said bomb supporting hook to maintain said hook in a locked position to prevent the bomb from being released until the solenoid is energized.

7. A bomb rack having in combination, a supporting frame, a bomb supporting hook pivoted in said frame, a toe formed on said bomb supporting hook, a solenoid mounted in said frame, a pivoted lever operatively connected with the core of said solenoid so that its movement is controlled by said solenoid when the parts are electrically operated, a bell crank lever, the end of one of its arms engaging the free end of said pivoted lever and the end of the other arm engaging said toe on said bomb-supporting hook to maintain said hook in a locked position to prevent the bomb from being released until the solenoid is energized, a trigger pivoted in said supporting frame, a pull cable attached to said trigger, a buffer spring interposed between said pull cable and said trigger, and an extension on said trigger, said extension being adapted to engage said pivoted lever so that manual operation of said pull cable will cause said extension to move said pivoted lever the same as if the solenoid were energized.

2,344,212

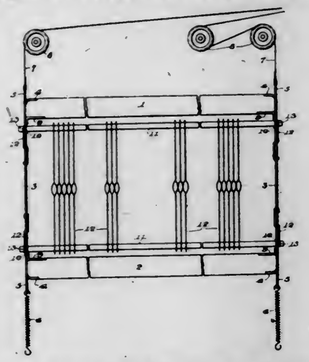
HEDDLE FRAME SUPPORT

Richard T. Osteen, Greenville, S. C., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application June 17, 1943, Serial No. 491,215
4 Claims. (Cl. 139—82)

1. A heddle-supporting frame, comprising spaced shafts, spacing bars connecting the end portions of said shafts, heddle bars operatively supported between said shafts, frame-shifting

means, and means carried by and operative to connect said shifting means to the end portions of



one of said shafts, said last-named means comprising extensions of said spacing bars.

2,344,213

PRODUCTION OF POLYMERIZATION PRODUCTS FROM ISOBUTYLENE

Michael Otto, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian

No Drawing. Application May 23, 1939, Serial No. 275,323. In Germany May 24, 1938

8 Claims. (Cl. 260—93)

1. The process of producing polymerization products which comprises contacting a liquid containing a member of the group consisting of isobutylene and mixtures of a major portion of isobutylene and a minor portion of an olefinic compound having conjugated double bonds to which liquid there has been added a polymerization-promoting amount of up to 1% based on the isobutylene present of a compound which is soluble in the reaction mixture under the reaction conditions and capable of dissolving boron fluoride, said compound being selected from the group consisting of monohydric alcohols, phenol and cresol with a Friedel-Crafts reaction catalyst at a temperature below −10° C.

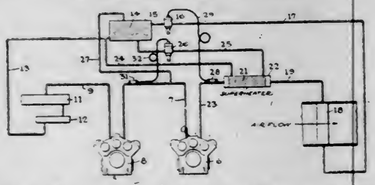
2,344,214

REFRIGERATION

Henry B. Pownall, York, Pa., assignor to York Corporation, a corporation of Delaware

Application February 26, 1943, Serial No. 477,243

8 Claims. (Cl. 62—115)



3. A refrigerative system of the compressor, condenser, evaporator circuit type having refrigerant paths which are distinct at least to the extent that there are two evaporators and distinct connections for delivering liquid refrigerant to, and for withdrawing vaporous refrigerant from, respective evaporators; and heat exchanging means for delivering heat from liquid refrigerant flowing to one of said evaporators to the cold vaporous refrigerant flowing from the other of said evaporators.

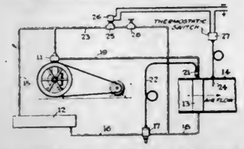
2,344,215

REFRIGERATION

Samuel P. Soling and Henry B. Pownall, York, Pa., assignors to York Corporation, a corporation of Delaware

Application February 26, 1943, Serial No. 477,244

13 Claims. (Cl. 62—6)



1. The combination of a refrigerative circuit of the compressor, condenser, evaporator type, including an expansion valve interposed between the condenser and the evaporator, and thermostatic means subject to the temperature of refrigerant between the evaporator and compressor and exerting a controlling influence on the expansion valve; a by-pass whose flow capacity is less than the output of the compressor for delivering compressed uncondensed refrigerant to a point in the circuit between the expansion valve and said thermostatic means; and means for controlling flow through the by-pass.

2,344,216

ROADWAY RECORDING APPARATUS

Kermit C. Raydon, Lathrop, Mo.

Application January 23, 1942, Serial No. 428,003

1 Claim. (Cl. 33—174)



A recording device of the class described comprising a wheel vehicle, a floating wheel carried by the vehicle and adapted to engage the ground for free movement in accordance with irregularities in the surface over which the vehicle is traveling, a chart carried by the vehicle, an L-shaped scriber pivoted intermediate its ends to the vehicle, one end of the scriber engaging the chart, an upstanding yoke connected to the floating wheel, the other end of the scriber being loosely connected to the upper end of the yoke for actuating the scriber in accordance with a raising and lowering movement of the wheel, and means for actuating the chart by said wheel.

2,344,217

APPARATUS FOR MEASURING SURFACE ROUGHNESS

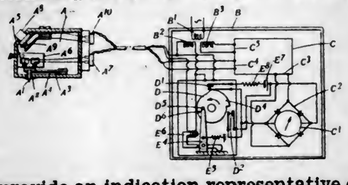
Richard Edmund Reason and Raymond Ivan Garrod, Leicester, England, assignors to Kapella Limited, Leicester, England, a company of Great Britain

Application February 13, 1941, Serial No. 378,836

In Great Britain February 1, 1940

20 Claims. (Cl. 73—51)

1. Apparatus for measuring the roughness or the degree of roughness of a surface comprising a stylus for engaging the surface, means for traversing the stylus across the surface, a pick-up device associated with the stylus for producing an electrical quantity so that such quantity depends on movements of the stylus in a direction substantially normal to the surface, a direct-reading integrating meter, a time switch, means associated with the pick-up for rendering the time switch operative, and contacts actuated by the time switch for rendering the meter responsive to the electrical quantity derived from the pick-up after the beginning of a traversing movement and for rendering it unresponsive after a predetermined time, the arrangement being such



as to provide an indication representative of integrated movements of the stylus normal to the surface during such time interval and therefore of the average roughness of the surface traversed during the predetermined time.

2,344,218

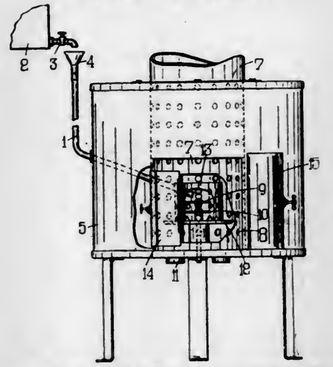
LIQUID FUEL BURNER

Eric Sheldon Rowlandson, Rock Ferry, England

Application October 8, 1941, Serial No. 414,191

In Great Britain October 31, 1940

1 Claim. (Cl. 158—91)



A burner for liquid fuel comprising in combination an enclosing casing, a flue pipe extending down into said casing and having perforations within the enclosed part, an imperforate tray disposed within the lower end of said flue pipe, a number of plates mounted in paralliel disposition one above the other and above said tray, a base closing said casing and having air openings disposed within the area of the end of the flue pipe, a cylindrical casing carried by said tray and enclosing said plates, said casing being perforated and having a serrated lower edge whereby air can pass radially inwards under and above each tray, and controlled means for supplying a liquid fuel to the uppermost plate.

2,344,219

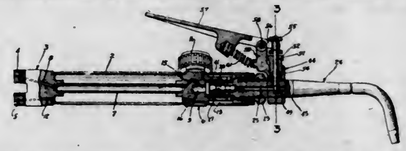
CUTTING TORCH

Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota

Application October 10, 1940, Serial No. 360,639

1 Claim. (Cl. 158—27.4)

In a torch of the class described, a handle having a head at one end provided with a socket, a cutting tip having one end detachably and adjustably supported in said socket, means for supplying cutting oxygen to said socket and tip, said tip comprising a cylindrical body portion and an elongated slender end portion, said body and end portions having a longitudinally extending central cutting oxygen passage therein communicating with the oxygen supply to the socket, and a valve for controlling the flow of oxygen from the tip, said valve comprising a body portion having a bore therein for receiving the cylindrical portion of the torch tip body and



whereby the valve body is secured directly to the body portion of the tip, whereby it is removable with the tip.

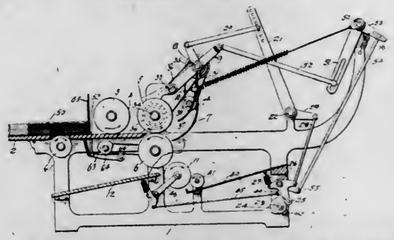
2,344,220

ENVELOPE FLAP FOLDING MACHINE

Donald E. Stevenson, Monrovia, Calif., assignor to Carpenter Paper Company, a corporation of Delaware

Application February 21, 1941, Serial No. 379,922

18 Claims. (Cl. 93—61)



3. In an envelope forming machine, envelope advancing means, an envelope carrier, means delivering an envelope to said carrier, means receiving the envelope from the carrier, means for oscillating said carrier to withdraw the envelope from said delivering means, and means for shifting the position of the carrier to cause return movement of the carrier by said oscillating means to fold the flap of the envelope over the face thereof and to deliver the envelope to said receiving means.

2,344,221

LANTERN

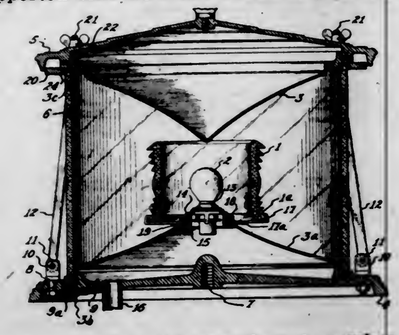
Wagn Trautner, Hamilton, Ohio, assignor to The K-D Lamp Co., Cincinnati, Ohio, a corporation of Ohio

Application March 19, 1942, Serial No. 435,365

1 Claim. (Cl. 240—22)

A light structure comprising an electric bulb, a Fresnel lens, and upper and lower reflectors of generally conical shape; each of said reflectors having an outer reflective surface generated by the rotation of a parabolic curve around a vertical axis passing through its focus and perpendicular to the axis of the curve, said lower conical reflector being truncated so as to provide an opening, a socket for the bulb mounted in the said opening so as to support the bulb substantially at the focus of said reflective surface, means also mounted on the said lower reflector at the said opening and extending away from the reflector and supporting the Fresnel lens which lens is of less diameter than said reflectors and surrounding said bulb, a base on which said lower reflector is mounted, a tubular translucent member of substantially the diameter of said reflector engaged with said base, a ring-shaped member on the top of said tubular member, means for fastening said base, said tubular member and said ring-shaped member in assembled relationship, the upper conical reflector being detachably

engaged in said ring-shaped member so as to be supported with the bulb substantially at its focus,



and a cover for said ring-shaped member and said upper reflector including means for fastening said cover to said ring-shaped member.

2,344,222

DOUBLE WALLED SHEET METAL STRUCTURE

George Trautvetter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 28, 1940, Serial No. 342,942
11 Claims. (Cl. 189—46)



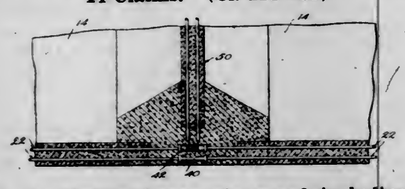
1. A hollow sheet metal wall structure such as a door structure having its body built up of inner and outer panels, one of said panels being fabricated of strips of channel cross section secured together through their abutting side walls, certain of said channel side walls being flanged such that one only of two abutting side walls is provided with a flange which extends away from the center of its channel, and the other panel overlapping and being secured to said flanges.

2,344,223

VESSEL AND METHOD OF CONSTRUCTING IT

Maxwell M. Upson, Englewood, and John N. Philbrook, Tenafly, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey

Application April 16, 1943, Serial No. 483,246
14 Claims. (Cl. 114—65)



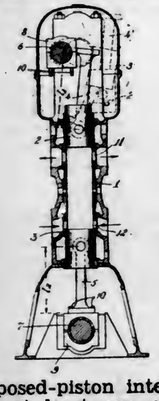
1. A reinforced concrete vessel including, in combination, a bow section, a stern section, and a plurality of pre-cast waist sections intermediate said bow and stern sections, reinforced concrete joints connecting the bow and stern sections to their adjacent waist sections, and reinforced concrete joints connecting the waist sections, the reinforcement of said last mentioned joints including longitudinally extending pre-stressed steel members.

2,344,224

PORT-CONTROLLED OPPOSED-PISTON INTERNAL COMBUSTION ENGINE

Erwin Waeber, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application November 12, 1941, Serial No. 418,704
In Switzerland January 8, 1941
2 Claims. (Cl. 123—51)



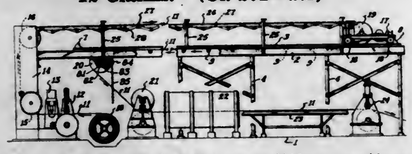
1. In an opposed-piston internal combustion engine having at least one cylinder provided with two counteracting pistons of equal diameter, the improvement which comprises a separate crankshaft for each piston constructed to give each piston practically equal strokes, a connecting rod for each piston, one rod being considerably longer than the other, outlet ports in the cylinder under the control of the piston connected to the longer connecting rod, whereby the pressure on the cylinder running surface near the outlet ports is reduced and the movement of the piston with respect to the outlet ports is slower increasing the duration of air flow, and means for spacing the crankshaft which is connected to the longer connecting rod such a distance from the cylinder that when both connecting rods are disconnected from their crankshafts both pistons and connecting rods may be removed from the cylinder without removing the last-mentioned crankshaft.

2,344,225

STRIP LOOPING DEVICE

Donald H. Washburn, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application January 6, 1942, Serial No. 425,806
12 Claims. (Cl. 271—2.1)



1. In a looper device for permitting continuous movement of strip from an intermittently feeding source, means for supplying strip intermittently, means for moving strip continuously located near the first mentioned means, a drum movable with respect to the aforementioned means for taking up strip in a two sided loop disposed at a substantial angle to the vertical, and means for supporting at least one side of said loop, said means comprising a trackway, a group of rotatable supporting rollers translatably mounted on said trackway for movement therealong and means for preventing said supporting rollers from moving away from each other more than a predetermined distance during their translation along said trackway and as the said drum moves, said last mentioned means comprising linked arms attached to the ends of said movable rollers and interconnecting said rollers, one of said supporting rollers being connected with means stationary with respect to the first mentioned means, and another of said movable rollers at the other end of the group thereof having means to enforce its movement with said drum.

2,344,226

PRODUCTION OF ISOPHORONE

Seaver A. Ballard, Berkeley, and Vernon E. Haury, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 31, 1941, Serial No. 396,192
9 Claims. (Cl. 260—586)

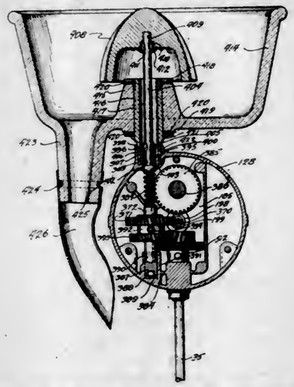
1. In a process for the production of isophorone wherein acetone is heated with an aqueous solution of an alkali metal hydroxide at a temperature in excess of about 100° C. and under a pressure at least equal to the total vapor pressure of the reaction mixture at said temperature, the step which comprises substantially suppressing formation of mesityl oxide as a by-product by adding this compound to the reaction mixture in an amount sufficient to substantially maintain the reaction mixture in a state of chemical balance with respect to said compound.

2,344,227

JUICER SUPPORT

Sam Behar, Berwyn, Ill., assignor to A. F. Dormeyer Mfg. Co., a corporation of Illinois

Original application October 6, 1938, Serial No. 233,541. Divided and this application July 12, 1941, Serial No. 402,203. In Canada June 10, 1940
5 Claims. (Cl. 146—3)



1. In an electric juicer, the combination of a motor driving unit comprising a housing having a motor and speed reduction gearing, with an upwardly projecting juicer drive shaft exposed at an opening in the upper side of said housing, said opening having an inwardly extending annular groove tapered in width and adapted to receive a tapered sleeve, a juicer bowl having a centrally located hub carried by said tapered sleeve, and having a depending discharge spout, said juicer bowl being supported by said tapered sleeve in said annular groove.

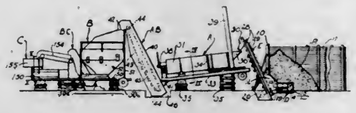
2,344,228

MIXING PLANT

Harry H. Barber, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a corporation of Illinois

Application July 25, 1941, Serial No. 403,986
25 Claims. (Cl. 259—164)

1. An aggregate classifying and proportioning device comprising a mobile unit having a plurality of bins for different sized aggregates, means defining longitudinally and transversely spaced outlets for said bins, an endless band type conveyor mounted under the bin outlets, means including a top and side walls for defining isolated channels on the top run of said conveyor each in communication with a bin outlet, and individually controlled gate means transversely aligned across said conveyor for proportioning the relative rate of aggregate discharge out of said channels.



2,344,229

FOOD PRODUCT

Richard J. Block and Diana Bolling, Scarsdale, N. Y., assignors, by direct and mesne assignments, to C. M. Armstrong, Inc., a corporation of New York

No Drawing. Application May 10, 1941, Serial No. 392,954. In Canada September 16, 1940
8 Claims. (Cl. 99—2)

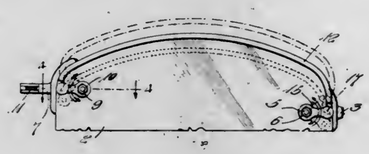
1. A food product comprising cereal protein and an admixed source of lysine, the said source providing the equivalent of 2 to 6 parts of lysine for 100 parts of the cereal protein and greatly increasing the biological value of the food product.

2,344,230

ADJUSTABLE AND REMOVABLE BRACE FOR FRAMELESS EYEGLASSES

William Brown, Wilkes-Barre, Pa., assignor to Shock Proof Lens Guard, Inc., Kingston, Pa., a corporation of Pennsylvania

Application July 9, 1941, Serial No. 401,650
12 Claims. (Cl. 88—41)

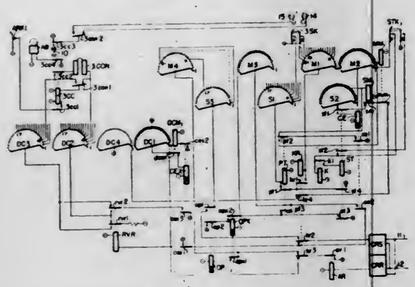


8. In rimless eyeglass construction, a lens, a brace bar for extension along a marginal edge thereof, a link member pivotally engaged at one end to one end of said bar for tilting adjustment about an outer axis, means for pivotally and detachably securing the opposite end of said link member to said lens for tilting adjustment about an inner axis parallel to the first mentioned axis, and means for securing the opposite end of the bar to said lens.

2,344,231
REMOTE CONTROL AND SUPERVISORY SYSTEM

George Arthur Burns, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application February 7, 1941, Serial No. 377,831
In Great Britain March 13, 1940
7 Claims. (Cl. 177—353)

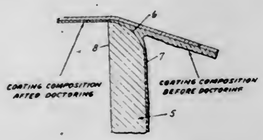


1. In combination, a signalling circuit having an input and an output, one device at the input of said circuit, another device at the output of said circuit, means for generating a plurality of impulse trains, each train having a variable number of impulses, and for impressing said trains upon the input of said circuit, a receiver linked to the output of said circuit for responding to said impulses; means effective after the last of said impulse trains has been received for determining if the total number of received impulses in all of said trains equals a predetermined number and, if it does, for automatically operating said one device, and means rendered effective responsive to the operation of said one device for determining if the total number of impulses impressed upon the input of said circuit equals said predetermined number and, if it does, for automatically operating said other device.

2,344,232
APPARATUS FOR COATING

John Campbell and Kenneth Austin Taylor, Glens Falls, N. Y., assignors to International Paper Company, a corporation of New York

Original application December 12, 1940, Serial No. 369,778. Divided and this application August 12, 1942, Serial No. 454,496
4 Claims. (Cl. 91—53)



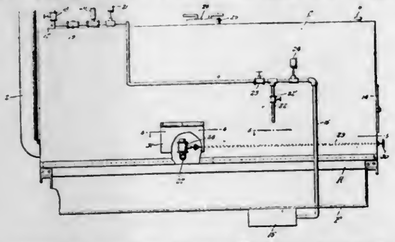
1. A doctor blade for use in conjunction with paper coating machines comprising a body having a surface treated to present a low affinity for coating composition, said surface being formed on a convex web-contacting portion of said blade, the radius of curvature of said web-contacting portion being not less than $\frac{3}{8}$'' and not greater than 1'', said web-contacting portion terminating in an intersection with a plane disposed radially to said web-contacting portion.

2,344,233
CONVERTIBLE SPRAYER

George R. Cargill, Medford, Mass.

Application July 23, 1941, Serial No. 403,727
1 Claim. (Cl. 299—96)

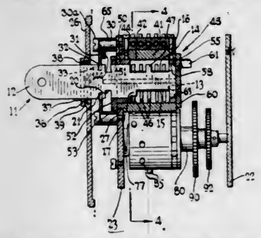
In apparatus of the class described, a supporting frame, a tank carried thereby, a casing enclosing the tank and forming a chamber at one end thereof, a flue pipe extending from said chamber through the interior of the tank and out of said casing, a burner in said chamber extending into one end of the flue pipe, a fuel tank in said chamber connected to said burner, a blow-off pipe extending from the first tank, a blow-off control valve in the blow-off pipe, an air compressor, a pressure line connecting the compressor directly to the blow-off pipe between the blow-off control valve and said first tank, a compressed air storage tank, a valved line from the pressure line to the storage tank, valved air connections from the storage tank to the burner and the fuel tank, a back pressure valve in the air pressure line, a pressure control valve in said pressure line between the back pressure valve and said valved line, and a pair of pressure gauges in said pressure line, one between the back pressure sure valve and said valved line and the other between said storage tank and said valved line.



2,344,234
KEY IDENTIFIER

Benjamin Cooper, Jersey City, N. J.

Application December 12, 1940, Serial No. 369,858
14 Claims. (Cl. 177—380)



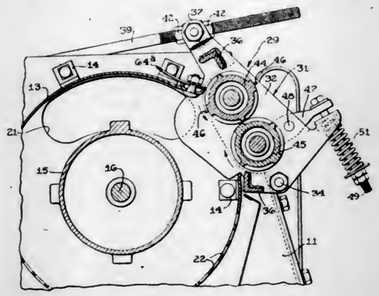
1. A key identifier comprising a pulsing means controlled by a key inserted into the identifier, a manually operated spring motive means to operate said pulsing means, means to prevent insertion of the key into the identifier and means controlled by the motive means in wound condition to remove the preventing means.

2,344,235
CORN SHELLER

Charles F. Crumb, Chicago, and Eugene F. Schneider, Evanston, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application February 10, 1941, Serial No. 378,222
5 Claims. (Cl. 130—6)

1. In a corn sheller, a pair of end plates, a cylindrical shelling cage for shelling kernels from ears, some of which may include husks, said cage having an opening; means connecting the cage to the end plates; a shelling cylinder within the shelling cage; means for driving the shelling cylinder; means for discharging kernels

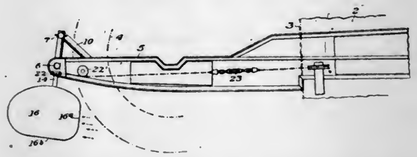


separate from husks; a frame attached to the end plates near the opening in the shelling cage; a pair of cooperating rolls journaled on said frame and positioned substantially tangentially on the circumference of said cage and adapted to engage and remove husks from the cage; and means for driving said rolls from said shelling cylinder.

2,344,236
AUXILIARY RUDDER FOR STERN WHEEL VESSELS

Albert J. Dawson, Pittsburgh, Pa., assignor to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 9, 1943, Serial No. 497,921
9 Claims. (Cl. 114—165)

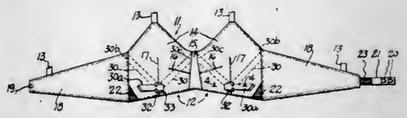


1. An auxiliary rudder for watercraft having a stern wheel, comprising a support rearwardly of the wheel, a rudder post on the support inclined from a vertical position with the upper end tilted forwardly, and a rudder on the post.

2,344,237
FOUNDATION GARMENT

Harry Jay Dubner, Forest Hills, N. Y.

Application June 25, 1943, Serial No. 492,201
7 Claims. (Cl. 2—42)

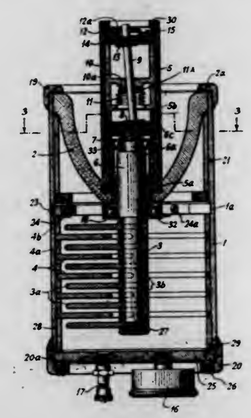


1. A foundation garment having a pair of bust receiving pockets, each pocket having its wall provided with an opening, downwardly convergent bands for each pocket connected at one end to said wall at the side edges of the pocket in spaced relation to said opening, said bands lying in the concavity of the pocket and extending through said opening to the front or outer side of said wall, and a single means at the outer side of said wall for adjustably tensioning said bands, said means including a member engaging the bands and being too large to pass through said opening and thus abutting the wall to maintain the tension on the bands when the garment is in use, whereby the adjustment can be made while the garment is snugly applied about the body of the wearer.

2,344,238
COMPRESSED FLUID CONDENSER

James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 19, 1939, Serial No. 251,757
12 Claims. (Cl. 175—41.5)

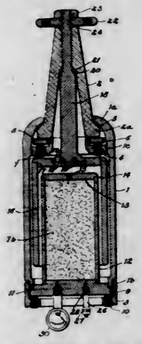


2. An electric condenser capable of operating at an internal fluid pressure different from atmospheric pressure, said condenser including an approximately cylindrical casing, means near one end of said casing forming an inwardly extending annular shoulder faced toward the higher pressure and held against movement axially of said casing in a direction toward the lower pressure, a dielectric closure member extending across said casing near said end and seated substantially against the side of said shoulder which is toward the higher pressure, so that an increase in the fluid pressure difference within and without said casing will tend to seat said dielectric member more firmly against said shoulder, means closing the opposite end of said casing in a substantially fluid tight manner, a first metallic electrode mounted within said casing, and a second metallic electrode spaced from the first electrode and supported from said dielectric member.

8. A manual adjustable operating means passing through a fluid tight wall comprising a housing member, an internal rotating spur gear connected to a rotatable operating shaft, a second spur gear eccentrically arranged to be in constant mesh with said internal rotating spur gear, a second shaft secured to said second gear, means within said housing member for cooperating with said second shaft and said second spur gear to keep it in constant mesh which is eccentric with respect to the center of said first spur gear, and means located at the end of said housing member for manually moving said second shaft to rotate said operating shaft.

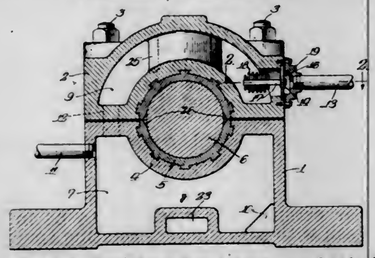
2,344,239
ELECTRIC CONDENSER
James L. Finch, East Rockaway, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1940, Serial No. 371,073
6 Claims. (Cl. 175—41)

1. An electric condenser capable of operating at an internal fluid pressure different from atmospheric pressure, said condenser including an approximately cylindrical casing, means near one end of said casing forming an inwardly extending annular shoulder faced toward the higher pressure and held against movement axially of said casing in a direction toward the lower pressure, said inwardly extending shoulder being formed by an inwardly bent marginal end portion of said casing itself, a dielectric closure member extending across said casing near said end and seated substantially against the side of said



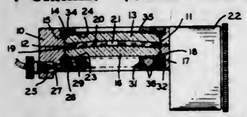
shoulder which is toward the higher pressure, so that an increase in the fluid pressure difference within and without said casing will tend to seat said dielectric member more firmly against said shoulder, means closing the opposite end of said casing in a substantially fluid tight manner, a first metallic electrode mounted within said casing, and a second metallic electrode spaced from the first electrode and supported from said dielectric member.

2,344,240
COOLED SHAFT BEARING
David Firth, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application June 20, 1941, Serial No. 398,889
7 Claims. (Cl. 308—77)



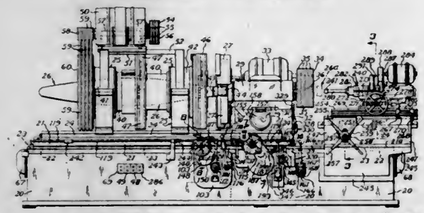
1. A shaft bearing having a coolant jacket adapted to be connected for flow of a cooling medium through said jacket, a normally closed automatically operated valve for controlling flow through the jacket, thermally expansible means in said jacket for controlling the operation of said valve, and a removable plate forming a part of the wall of said jacket and having the orifice controlled by said valve, said plate having an inwardly projecting support for said thermally expansible means the latter being attached at one end to said support, and, the plate, valve and thermally expansible means being insertible as a unit.

2,344,241
ILLUMINATED BUBBLE LEVEL
Edward F. Flint, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 428,583
7 Claims. (Cl. 240—6.44)



1. A bubble level comprising a housing, upper and lower transparent members horizontally mounted in said housing, said members being vertically spaced apart to provide a bubble chamber therebetween, liquid in said chamber and a bubble in said liquid, said bubble extending from one member to the other member, and means for illuminating said bubble comprising a border of luminescent material positioned on the outer face of one of said members and means for exciting said material, said material being in optical contact with the face of said member and the light rays emitted therefrom angularly traversing said member before striking the wall of said bubble.

2,344,242
EXTERNAL-INTERNAL CYLINDRICAL GRINDING MACHINE
Carl G. Flygare and Herbert A. Silven, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 8, 1942, Serial No. 438,091
12 Claims. (Cl. 51—3)

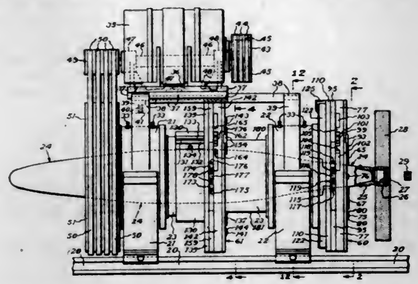


1. In a grinding machine having a base, a transversely movable rotatable grinding wheel, a longitudinally reciprocable table thereon, a rotatable work support on said table, means including table dogs to reciprocate said table through a predetermined stroke for an external cylindrical grinding operation, means to traverse said table beyond the normal reciprocatory stroke precisely to position said table for a second grinding operation, and a hydraulic interlock to prevent movement of said table to the second grinding position except when the grinding wheel is in a rearward or inoperative position.

2,344,243
GRINDING MACHINE WORK HEAD
Carl G. Flygare and Herbert A. Silven, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 8, 1942, Serial No. 438,092
11 Claims. (Cl. 51—237)

1. In a grinding machine having a rotatable work support including a hollow rotatable work

spindle, a multi-jaw chuck adjustably mounted on one end of said spindle, a second multi-jaw

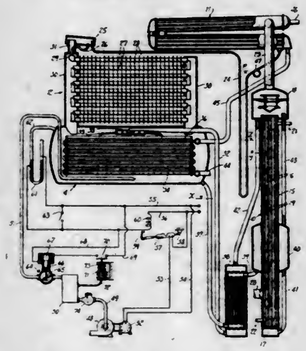


chuck slidably mounted on said spindle which is spaced from the first chuck, and means rotarily to adjust said first chuck relative to said spindle.

2,344,244
CATALYTIC HYDROGENATION OF NITRO COMPOUNDS
William Vance Freed and Frank K. Signaigo, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 2, 1941, Serial No. 405,144
12 Claims. (Cl. 260—144)

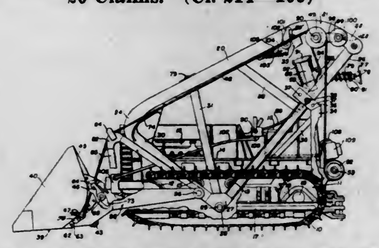
1. The process for the direct conversion of aromatic nitro compounds to azo compounds which comprises catalytically hydrogenating an aromatic nitro compound in the liquid phase in the presence of an alkali and a sulfactive hydrogenation catalyst.

2,344,245
REFRIGERATION
Franklin A. Grossman, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application May 13, 1941, Serial No. 393,160
10 Claims. (Cl. 62—5)



1. In refrigeration apparatus of the two-pressure absorption type having a plurality of interconnected parts to form a system for circulation of a refrigerant and an absorption solution, means for transferring non-condensible gases from a part of the system at one pressure to another part of the system at a different pressure, a vacuum pump connected to said other part for removing non-condensible gases from the system, and means responsive to pressure in said other part for causing operation of said vacuum pump when the pressure in said other part is within a predetermined range and stopping said operation when the pressure is below or above said range.

2,344,246
MATERIAL DIGGING AND HANDLING APPARATUS
Stephen Grubich, Milwaukee, Wis.
Application April 22, 1942, Serial No. 439,979
20 Claims. (Cl. 214—100)



1. A material handling apparatus embodying a runway; a support therefor; a bucket adapted to traverse said runway during a portion of its cycle of operation; actuating means adapted to move said bucket in its aforesaid cycle; rigid arm means engageable with said bucket and operable responsive to said actuating means for lifting said bucket and guiding it to and from said runway; and devices for disengaging said lifting means from the bucket during the travel of said bucket on said runway.

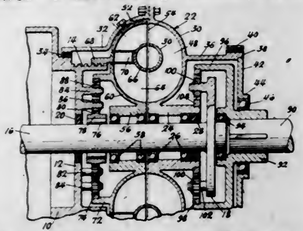
2,344,247
PILE FABRIC CLEANING METHOD AND MATERIAL
Giles E. Hopkins, Washington, D. C., James N. Dow, Longmeadow, Mass., and Robert I. Peters, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
No Drawing. Application April 3, 1943, Serial No. 481,748
6 Claims. (Cl. 15—269)

1. The method of cleaning a pile fabric having soil deposited to a depth below the surface equal to only a portion of the pile height, which consists in enveloping said portion of the pile tufts with a mixture of absorbent and solvent while avoiding any substantial deposit of material below said depth by applying to the surface of the pile a thin layer of a mixture of finely divided colloidal clay powder of a size between approximately 100 and approximately 325 mesh and a volatile, water-immiscible grease solvent, which does not form a jell with the clay, in proportions to moisten the powder without forming a paste, and brushing the mixture into the pile until most of it has disappeared from the surface thereof, thereafter allowing the solvent to evaporate and finally removing the dry absorbent and with it the dirt absorbed thereby.

2,344,248
FLUID DRIVE
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application May 31, 1941, Serial No. 396,132
8 Claims. (Cl. 74—189.5)

1. A transmission comprising a driving shaft and a driven shaft, fluid power transmitting means, torque changing means connecting the

driving shaft to the driven shaft and to the fluid power transmitting means, and torque



multiplying means connecting the power transmitting means to the driving shaft.

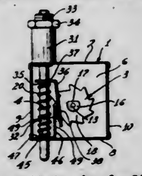
2,344,249

ELECTRIC SWITCH

Elmer E. Johnson, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan

Application March 3, 1941, Serial No. 381,478

18 Claims. (Cl. 200—6)



1. An electric switch including, a casing, a ratchet wheel rotatably mounted on said casing, a rod slidably mounted on said casing with its axis arranged transverse to the axis of rotation of said ratchet wheel, a carrier carrying contacts mounted on said casing, a bridge member movable with said wheel for engaging said contacts, a pawl carried by said rod having an arm portion provided with a recess receiving at least one tooth on said wheel, a separate locking element carried by said rod having a portion extending toward said pawl, and resilient means carried by said rod, the extremities of said means acting on said pawl and on said element whereby when said rod is actuated in one direction said element will engage said tooth to prevent rotation of said wheel when the recess in said pawl is in the act of receiving an adjacent tooth, and when moved in the opposite direction said pawl will engage said adjacent tooth to rotate said wheel to a predetermined position whereupon said element will be positioned to engage said tooth to prevent rotation of the wheel when the rod is again moved in said one direction.

2,344,250

TRANSMISSION FILM FOR GLASS

Frank L. Jones, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application June 13, 1941, Serial No. 397,938

6 Claims. (Cl. 88—1)



1. The method of improving the optical properties of a substantially colorless glass article having a body formed of a glass which normally contains at least one monovalent alkaline oxide, image forming light rays being passed through said body, said method comprising the steps of immersing the article in a bath held at a temperature below that of the softening point of said glass and which contains a melted silver salt to cause silver atoms from the bath to replace the monovalent alkaline element of any monovalent alkaline oxide in a surface layer of the body to a depth of at least four-tenths of a micron, withdrawing the article from the bath and immersing the article in an acid bath to remove acid soluble oxides in said layer until a purple film is formed on the surface of said article.

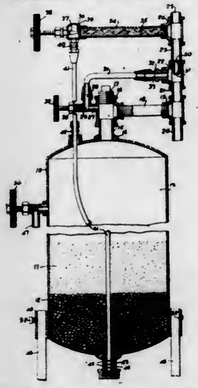
2,344,251

WATER SOFTENING SYSTEM

Edmund A. Kathe, Springfield, Ohio, assignor to The Rainflo Manufacturing Company, Springfield, Ohio, a corporation of Ohio

Application August 21, 1941, Serial No. 407,753

4 Claims. (Cl. 210—31)



1. A water softening system comprising a main water flow conduit for conducting the full flow of water from a supply line to a service line, a by-pass conduit for by-passing a part of the main water flow through a tank containing a water softening agent including an inlet and an outlet conduit connected to said main flow conduit and tank means disposed between the inlet and outlet conduits for said by-pass conduit for receiving a water soluble softening agent that settles to the bottom of said tank means, said inlet conduit extending to the bottom of said tank and said outlet conduit connecting with the top of said tank, an ejector in said main flow conduit through which the full flow of the main conduit passes for causing a pressure differential to be produced within the main flow conduit between opposite ends of said by-pass conduit for causing flow of water under pressure through said inlet conduit of said by-pass circuit for circulating water upwardly through the water softening agent in the bottom of said tank to maintain a saturated solution of the softening agent in the top of said tank and for establishing a positive low pressure area in said main flow conduit at the discharge side of said outlet conduit of said by-pass conduit for withdrawing a saturated solution of water softening agent from the top of said tank, and means having a variable orifice in said by-pass conduit for regulating the quantity of water circulating through said inlet conduit of said by-pass conduit to control the quantity of solution removed from said tank by said ejector.

2,344,252

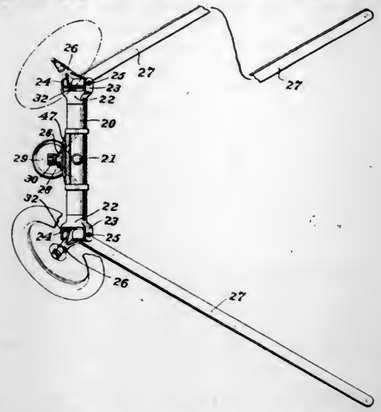
GUN CARRIAGE

Piao Kiang, Washington, D. C.

Application August 18, 1942, Serial No. 455,253

11 Claims. (Cl. 89—40)

8. A gun carriage comprising a body for supporting a gun, normally aligned stub axles pivoted to said body, wheels on said axles for supporting said body, means other than the wheels for supporting said body, the pivoting axes of said axles being so disposed that when said body is supported by said other means the axles can be swung in paths having a substantial upward component so that the wheels will be elevated, trails in pivotal connection with said body, and connections between said trails and axles respectively whereby spreading of the trails will cause the axles to swing as aforesaid.



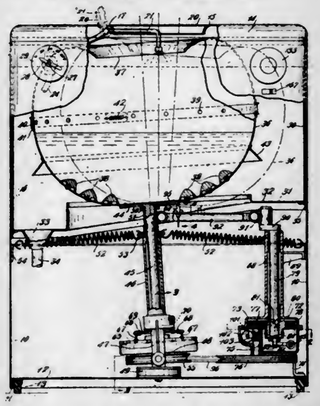
2,344,253

LAUNDRY MACHINE

James B. Kirby, West Richfield, Ohio, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio, a corporation of Ohio

Application February 6, 1941, Serial No. 377,693

8 Claims. (Cl. 68—12)



1. In a laundry device of the class described, an upstanding pivotally mounted housing supported for gyratory movement, a shaft journaled in said housing, a combined washing and extracting container mounted on said shaft, means including a connecting rod for oscillating said shaft in a plane for washing clothes within said container, means for rotating said shaft and the container supported thereby for extracting purposes, and means for permitting the free movement of said connecting rod with said rotating shaft upon cessation of the oscillating means.

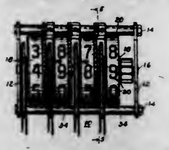
2,344,254

TELEMETERING APPARATUS

Ward Leathers, Brooklyn, and Hugo Panissidi, Jamaica, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application January 27, 1943, Serial No. 473,725

6 Claims. (Cl. 234—1.5)



2. In an apparatus for indicating at a remote point the relative position of a movable member, a plurality of coding circuits, means for selectively establishing one or more of said circuits according to the various positions capable of being assumed by said member, a reading line leading to the remote point, means for successively connecting said coding circuits in the reading line, means establishing a predetermined fixed resistance in said reading line, a source of current supply for the reading line establishing a predetermined voltage drop across said resistance, a perforator at the central station including a plurality of perforating magnets connected in parallel and having a common return circuit, a normally open relay-actuated switch in said circuit, a solenoid operable upon energization thereof to close said switch, means responsive to a predetermined increased voltage drop across said resistance for energizing said solenoid, means operable when an established coding circuit is connected in the reading line for increasing the current flow in said line to an extent sufficient to establish said increased voltage drop, and means operable in phase with said connecting means for successively establishing circuits through said perforating magnets, said latter circuits being adapted to be completed under the influence of said common return circuit.

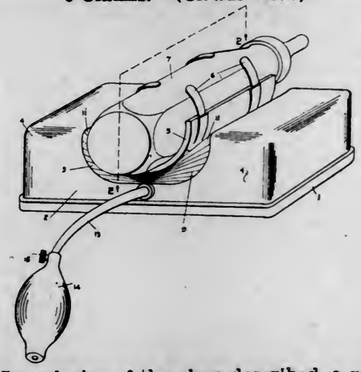
2,344,255

BOTTLE HOLDER

Martin H. Lichter, Honolulu, Territory of Hawaii

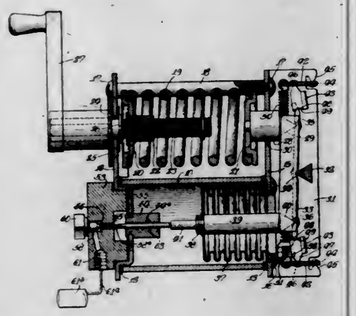
Application March 8, 1943, Serial No. 478,373

6 Claims. (Cl. 248—106)



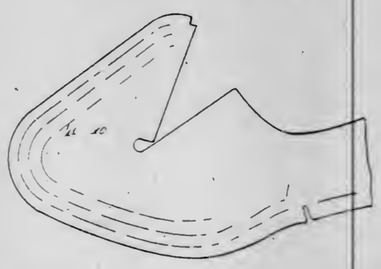
6. In a device of the class described, a resilient base having a transverse depression, a bottle support above the depression, an expandible chamber in the depression between the bottle support and the base, a collapsible chamber in said base adjacent the depression forming an air pressure means connected to the expandible last mentioned chamber and adapted to adjust the position of the bottle holder.

2,344,256
TIRE INFLATER
La Verne Dean Lyon, Goshen, and John J. Rothwell, Elkhart, Ind., assignors to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application January 26, 1942, Serial No. 428,270
13 Claims. (Cl. 221—73.5)



1. In a tire inflater, an air service line, means for discharging air in successive charges through said line comprising a valve therein, a lever, pressure actuated operating means therefor including a chamber having an opening and an operating pin in said chamber, said valve having a stem extending through said opening into said chamber and operated by said operating pin, the clearance between said stem and opening constituting a restricted passage for subjecting said last means to pressure in the air line on the outlet side of said valve, said lever being operatively connected with said valve through said operating stem and said valve stem, toggle lever and spring means for imparting snap action movement to said lever and thereby snap action to said valve, means acting on said lever in resistance to the air pressure thereon, and a check valve connection between said chamber and said outlet, said check valve connection opening toward said outlet.

2,344,257
METHOD AND APPARATUS FOR STENCILING
John Miglarese, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application April 7, 1941, Serial No. 387,238
3 Claims. (Cl. 101—127)



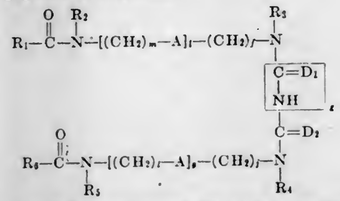
1. The method of stencil marking articles, which consists in providing a thin flexible metal stencil plate, then forming a stencil pattern thereon with a sewing machine having a needle and thread, and thereby punching openings in the stencil plate and extending looped threads through the openings and below the stencil plate, and at the same time extending a bobbin thread through the loops on the under side of the stencil plate, and whereby the openings formed by the needle are substantially larger than the diameter of the thread passed through them, saturating a pad with a thin viscous marking ink and rubbing said pad over the stencil plate and at the same time pressing it against the stencil plate and thereby forcing up ink through the openings and around the threads therein and upon the bobbin thread below the plate, and at the same time forcing each part of the flexible stencil plate against the article to be marked as the pad is rubbed over it and pressed against it.

2,344,258
CONVERSION OF HYDROCARBONS
Francis T. Miles, Anniston, Ala., assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application February 22, 1943, Serial No. 476,770
10 Claims. (Cl. 260—668)

5. The process for producing diphenyl and benzene comprising mixing hydrogen gas and terphenyl in the proportions of from one-half mol to twenty mols of hydrogen per mol of terphenyl and heating the mixture by contact with molten lead heated to a temperature between 600° C. and 900° C. then cooling the mixture, and recovering diphenyl and hydrogen therefrom.

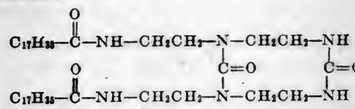
2,344,259
ALKALI SALTS OF FATTY CARBAMINO COMPOUNDS
Willard L. Morgan, Edgewood, and Earle Davis McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated, a corporation of Rhode Island
No Drawing. Application April 14, 1941, Serial No. 388,558
26 Claims. (Cl. 260—239)

1. A substituted carbamyl compound of the following general formula:



where R_1 and R_6 represent hydrocarbon radicals of at least six carbons and in which the carbamyl groups D_1 and D_2 are selected from the group consisting of oxygen and imido groups, the number of which groups being as g ranges from 0 to 3; while in the side chains the letter A represents a material selected from the group consisting of an amino —(NH)—, a simple alkyl or alkylol substituted amino of less than five carbons, oxygen, and sulphur, and the integers f, j, m, and t each vary from 2 to 6 while e and l vary from 0 to 6, and in which at least one of the groups R_2, R_3, R_4, and R_5 is an alkali metal, while the remainder of such groups are selected from the group consisting of hydrogen, a simple alkyl of less than five carbons and a similar hydroxy alkyl radical, excepting that R_3 and R_4 also can further represent a second acid amide chain derived from an acid and a polyamine.

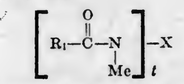
5. The carbamyl compound having the following formula:



in which one of the hydrogens attached to an amide nitrogen is replaced by an alkali metal.

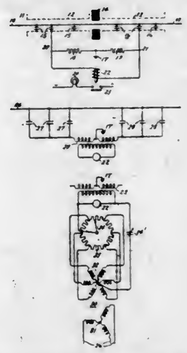
2,344,260
ALKALI SALTS OF FATTY AMINO COMPOUNDS
Willard L. Morgan, Edgewood, and Earle Davis McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated, a corporation of Rhode Island
No Drawing. Application April 14, 1941, Serial No. 388,559
14 Claims. (Cl. 260—404.5)

1. A substituted amino compound of the following general formula:



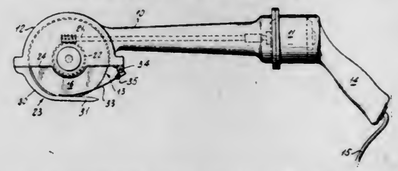
in which Me represents an alkali metal, t is a small whole integer being 1 or 2, and in which R_1 represents a hydrocarbon radical of at least six carbon atoms and in which X is an alkyl group carrying a group selected from the groups consisting of hydroxyl, carboxyl, and amino groups.

2,344,261
DIELECTRIC MONITOR SYSTEM
Joseph R. Mortlock, Kenton, and Kenneth J. R. Wilkinson and Geoffrey W. Carter, Rugby, England, assignors to General Electric Company, a corporation of New York
Application June 27, 1942, Serial No. 448,860
In Great Britain August 11, 1941
3 Claims. (Cl. 175—294)



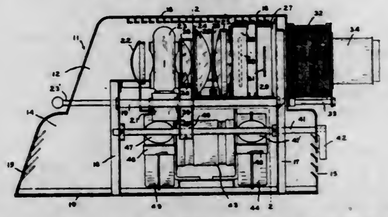
1. An electric protective arrangement for a high voltage electric conductor, having a sectionalized metal sheath encasing said conductor and insulated therefrom by dielectric means, an impedance connected between one section of said sheath and earth, a second impedance connected between another of said sections and earth, whereby said impedances and the capacitances existing between said sections and said conductor form a balanced bridge circuit under normal conditions of the dielectric means separating said sections from said conductor, means connected between said sections and responsive to a change in voltage between the balance points of said bridge circuit to indicate a deterioration in the insulation value of said dielectric means separating one of said sections from said conductor, and means for determining, when the protective means has responded, which of the capacitances formed by said conductor and said sections of said sheath insulated therefrom has deteriorated comprising switching means for selectively isolating the capacitances whereby the faulty dielectric may be ascertained.

2,344,262
SURGICAL CAST CUTTER
Ernest Odierna and Angelo Procario, New York, N. Y.
Application November 10, 1943, Serial No. 509,652
4 Claims. (Cl. 30—167)



1. In a surgical cast cutter of the character described the combination with a rotary cutter and a housing therefor, of a guard detachably fastened to the housing, said guard comprising a plate having a slot for passage of the cutter, a pair of opposed downwardly extending movable arms pivotally secured to the plate, said arms having overlapped forked ends that together form a slot in which the bottom edge of the cutter rotates, and a spring bearing on one of the overlapped arms to press both arms down against the surface of the cast.

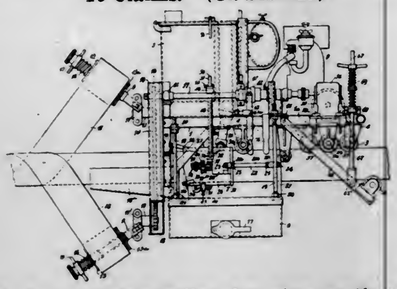
2,344,263
PROJECTOR
Willard T. Perkins, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 10, 1942, Serial No. 450,434
5 Claims. (Cl. 88—24)



1. In a projector having a frame provided with a pair of spaced parallel rods the longitudinal axes of which lie in substantially the same plane and condenser lens means carried by and supported above said rods in a position wherein the optical axis of the lens means is substantially parallel to the longitudinal axes of said rods, the combination of a supplementary condenser lens, a mount on one of said rods for said supplementary lens, and means operatively connected to said mount for selectively positioning said supplementary lens in alignment with said condenser lens means and said optical axis and in an inoperative position with respect to said lens means, said positioning means comprising an actuating shaft rotatably carried by said frame below said rods in substantially parallel relation to the

rods, link means pivoted on one of said rods and pivotally connected to said mount, other link means pivotally connected to said mount and fixed to said operating shaft to cause the supplementary lens to be moved between said rods towards and away from said optical axis in accordance with the rotation of said actuating shaft.

2,344,264
PIPE COATING AND WRAPPING
Lewis Perrault, Tulsa, Okla., assignor of one-half to Ainslee Perrault, Tulsa, Okla.
Application January 17, 1941, Serial No. 374,916
16 Claims. (Cl. 242—11)



6. A smoothing collar for pipe coating machines comprising a substantial arcuate body providing bottom and side walls, a roller pivoted to the body disposed to bear against the pipe, and means for adjusting the roller relatively to the body.

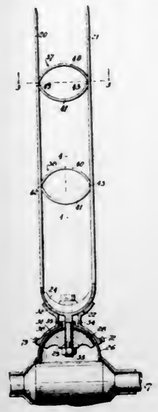
11. A pipe coating and wrapping machine adapted to be moved along a pipe line comprising a main frame supported on traction rolls, a supply tank on the frame for coating material, a coating collar suspended beneath the pipe, means for feeding the coating material from the tank to the pipe above the collar, a wrapping applying mechanism rotatably mounted on the frame, and means interposed between the wrapping applying mechanism and the pipe for returning the coating drip to the tank.

2,344,265
METHOD OF HYDROLYSIS
Walter W. Plechner, Metuchen, and Joseph M. Jarmus, East Orange, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 24, 1940, Serial No. 371,588
5 Claims. (Cl. 23—202)

1. A process for hydrolyzing a titanium salt solution which comprises dividing the said titanium salt solution into a major portion and a minor portion, hydrolyzing the said major portion, without further addition of titanium salt solution, until the titanium values of said major portion are partly precipitated, mixing the minor portion of said titanium salt solution with the partly hydrolyzed major portion and then hydrolyzing the mixture until the titanium values contained therein are substantially completely precipitated.

2,344,266
AIRCRAFT PROPELLER CONSTRUCTION
Hans Reissner, Chicago, Ill.
Application June 27, 1941, Serial No. 399,963
14 Claims. (Cl. 170—162)

1. A propeller particularly for aircraft comprising a hub, twin blades mounted on the said hub, each blade being directly supported thereon, the blades having airfoil shaped cross sections extending in a substantially parallel relation to each other on both sides of the plane of rotation passing through the hub center, being located in spaced relation from each other



at such a distance that the combined principal moments of inertia of both blades are of substantially equal order of magnitude though varying in the longitudinal direction of the blades, and means to permanently maintain the said relations of the cross sections during operation of the propeller.

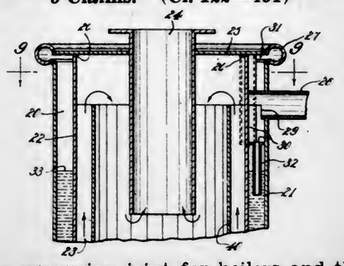
2,344,267
PROTEINOUS COMPOSITIONS AND THEIR PROCESS OF PRODUCTION
Henry C. Reitz, Berkeley, Calif., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application March 10, 1943, Serial No. 478,665
15 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of producing sulfated proteins containing in excess of 2 percent sulfur, comprising reacting a prolamine with chlorosulfonic acid in the presence of a tertiary amine at a temperature of from about 60° to 90° C.

2,344,268
CLEANING COMPOSITION
Harry D. Rench, Racine, Wis., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
No Drawing. Application March 11, 1942, Serial No. 434,299
3 Claims. (Cl. 252—163)

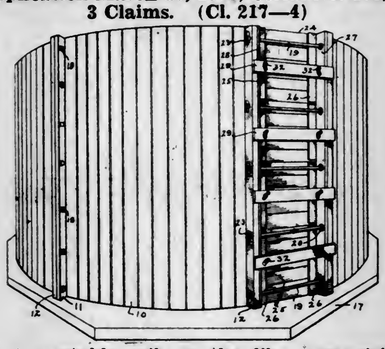
1. A cleaning composition for removing from fabrics dirt adhered thereto by grease which consists of a mixture of approximately 200 mesh bentonite, approximately 60 mesh wood flour and a petroleum distillate grease solvent, the solvent being present in an amount between 4 and 7 gallons of solvent per 100 pounds of combined dry clay and wood flour to impart a moist powder consistency to the composition and the wood flour being present in an amount less than one-half the weight of the bentonite to inhibit lumping of the composition during storage.

2,344,269
EXPANSION JOINT
Felix Saco, Jr., West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application May 29, 1941, Serial No. 395,785
5 Claims. (Cl. 122—491)



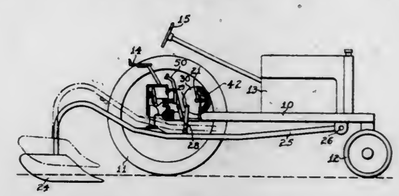
4. An expansion joint for boilers and the like having a generally cylindrical shell and an end header at substantially right angles thereto, comprising a toroidal tube of substantially circular cross section and provided with an asymmetrical slot, one edge of which is aligned with the shell and the other edge of which is aligned with the header, said tube being welded to the shell at one side of the slot and to the header at the other side of the slot.

2,344,270
PORTABLE CRIB
Milton V. Schubert, North Manchester, Ind., assignor to The Schubert Company, North Manchester, Ind., a firm comprised of Milton V. Schubert and Albert E. Cottey
Application March 10, 1943, Serial No. 478,685
3 Claims. (Cl. 217—4)



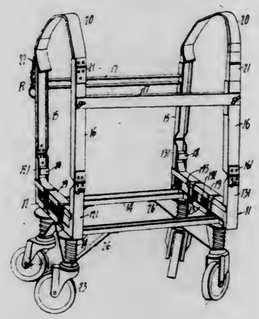
1. A portable crib or the like, comprising a plurality of side wall sections one secured to the other, each of said sections comprising a plurality of vertically disposed wall members each having parallel edges substantially normal to the inner faces of said members; end members in each wall section each having its inner face flush with the inner faces of said wall members, and having an outer portion extending beyond the outer faces of the wall members; a plurality of wires extending under tension through all of said wall members and said end members between their inner and outer faces; means interengaging the ends of said wires with said end members to retain said wires under tension to cause original abutment between and throughout said wall member edges, whereby bending of said wall sections into arcuate form will increase said wire tension and abutment pressure along one portion of said edges; and bolts passing through a pair of each juxtaposed end members outside of the plane of the outer faces of said wall members.

2,344,271
POWER HOISTING DEVICE FOR TRACTOR TOOLS
Harold A. Scott, Boylston, and Eric W. Carlson, Auburn, Mass.
Application November 19, 1941, Serial No. 419,662
4 Claims. (Cl. 97—50)



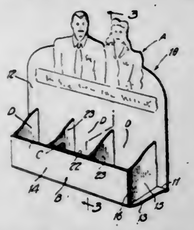
1. A hoisting device for a tractor tool comprising a power driven shaft, a rotary member connected to lift the tool, a friction clutch for connecting the shaft with said rotary member for lifting the tool while the clutch is connected, a locking device for holding the tool for an indefinite time in an elevated position, a control lever for connecting and disconnecting the clutch, a latch mechanism connected to the clutch operating lever which is movable on the forward motion of the lever to disconnect the lock and cause the plow to descend and which is movable on the return motion of the clutch lever to engage the lock mechanism and be in position for unlocking the same upon a further forward motion of the clutch control lever, whereby a single control lever serves to elevate the tool to any position and to lower the same at a controlled rate.

2,344,272
GRIP OR CONTAINER VEHICLE
Arthur Sestan, Hoboken, N. J.
Application April 23, 1942, Serial No. 440,168
7 Claims. (Cl. 280—35)



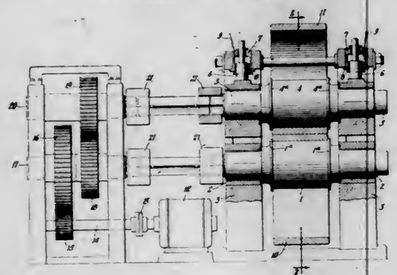
1. In a portable vehicle, a wheeled chassis having a horizontally disposed rectangular frame, a plurality of housed caster wheels mounted thereon, spring means mounted on the frame engaged with said mounted wheel housings, side-upward-integral-channel-extensions on the four corners of the frame having a hinge on each upper extension end, right and left H-shaped frame sides each having lower ends respectively mounted on said right and left extension hinges, said right H-frame having a hinge on each of the other two ends, a tie member mounted on each latter hinge and having a coupling means on its free end removably engageable with, cooperative tie means on said left H-shaped frame upper end.

2,344,273
DISPLAY STAND
Herbert A. Simon, Brooklyn, N. Y.
Application October 5, 1943, Serial No. 505,011
3 Claims. (Cl. 211—72)



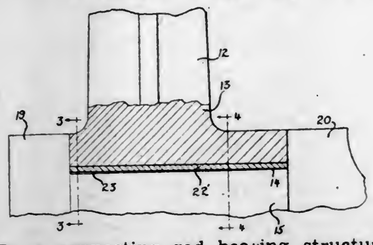
1. A folding cardboard display stand comprising a display panel, a bottom wall integral with the bottom of the display panel and hingedly connected thereto along a hinge score, a front wall hingedly connected to the front of the bottom wall, end walls integral with the ends of the front wall and connected thereto along hinge scores, and locking tongues integral with the free side edges of the end walls and extending therefrom, said display panel having slots therein for interfittingly receiving the respective tongues, said bottom, front, end walls, and panel cooperating to provide a forwardly extending tray relative to said display panel.

2,344,274
ROLLER PRESS
Matthew J. Stacom, Flushing, N. Y.
Application August 3, 1940, Serial No. 351,095
14 Claims. (Cl. 100—47)



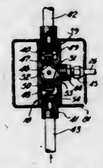
1. A roller press comprising a ring, a roller positioned within said ring, a cylindrical surface normally contacting the outer surface of the ring along a line opposite the line of contact of the inner roller and in the common plane passing through the axes of the ring, roller and cylindrical surface, said cylindrical surface being of substantially the diameter of the outer surface of the ring, and one of said roller and cylindrical surface being resiliently mounted and the other being mounted on a relatively fixed axis, and means for forcing said roller and cylindrical surface toward each other with great but yielding force, said ring being sufficiently rigid and free from rigid resistance to movement such as would displace its axis that upon introduction of material into the curvilinear angle between it and the cylindrical surface its axis will move to pry the roller and cylindrical surface apart against the resistance of said yielding force, and to advance the apex of the curvilinear angle, relative to the line of applied pressure, in the direction of travel of material through the roller press.

2,344,275
BEARING
Joseph C. A. Straub, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application April 8, 1941, Serial No. 387,460
3 Claims. (Cl. 308—37)



2. In a connecting rod bearing structure, a sleeve-like bearing member having an inner generally cylindrical bearing surface, a crank-throw bearing member having an outer generally cylindrical bearing surface journaled in the inner bearing surface, one of said surfaces being slightly conical from one of its ends to the other to provide a clearance gradient between said surfaces increasing in radial extent as an end of said bearing members is approached, and a connecting rod disposed in force-transmitting relation with said sleeve-like bearing member at an axial position thereon nearer to the end at which said bearing surfaces clearance is greatest.

2,344,276
FLUID PRESSURE ACTUATED MECHANISM AND CONTROL FOR THE SAME
Robert H. Thompson, Inyokern, Calif.
Application April 19, 1940, Serial No. 330,627
1 Claim. (Cl. 121—44)



Mechanism of the character described including a cylinder and piston means, a pipe leading from the cylinder of said means, a source of fluid under pressure, a discharge, valves controlling communication of said source and discharge with the pipe, means tending to close the valves, opposing stems on the valves, a turnable polygonal member between the stems formed to have one of its corners in valve opening engagement with one of the stems when one of its sides is at the other stem where the valve of the last named stem is closed, ratchet means operable to turn the member a distance substantially equal to one-half the width of its sides at each operation to reverse the positions of the valves, a turnable manual operating member remote from the ratchet means, and a flexible element connecting the ratchet means with the manual operating member to be operated thereby.

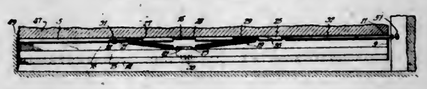
2,344,277
METHOD OF DRILLING LATERAL BORES
John A. Zublin, Los Angeles, Calif.
Application January 27, 1942, Serial No. 428,409
2 Claims. (Cl. 255—1.6)

1. The method of producing a bore having curved and straight portions which comprises rotating and advancing a drilling bit while resiliently and continuously urging the bit against one side wall of the bore to cause the bit to advance along a curved path to form the curved portion of the bore, and rotating and advancing



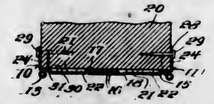
the bit while resiliently urging the bit radially outward from the axis of the bore and progressively changing the outward radial direction in which the bit is resiliently urged to cause the bit to form the straight portion of the bore.

2,344,278
AUTOMATIC DOOR BOTTOM
William E. Balousek, Chicago, Ill., assignor to W. J. Dennis & Company, Chicago, Ill., a corporation of Illinois
Application August 22, 1941, Serial No. 407,899
6 Claims. (Cl. 20—68)



1. In a weatherstrip, the combination of a supporting member, a closure member movably related thereto, an elongated helical spring, one end of which is secured to the supporting member, said spring being rigidly connected adjacent an intermediate portion thereof to said closure member, means related to the free end of said spring for moving the latter toward the fixed end thereof, a guide means connected with said closure member at a point substantially coincident with the connection of said intermediate portion of the spring with said closure member, and coacting with means on said supporting member to vertically guide the said closure member during the operation thereof.

2,344,279
PLASTERING BASE
Ebbe Beerthuis, Chicago, Ill.
Application January 12, 1942, Serial No. 426,532
3 Claims. (Cl. 72—121)



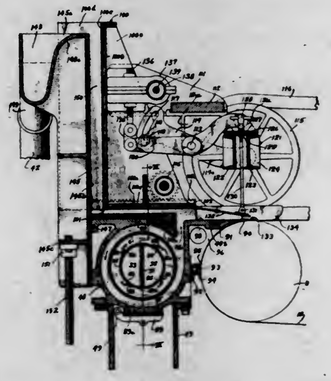
1. A plaster base comprising a pair of complementary sections adapted for mounting with their contiguous margins overlapping, each of the said sections including a sheet of essentially stiff material having one side edge rolled to provide a bead, a laterally projecting channel formed in the sheet parallel and contiguous with the bead, the said sheet having lines of severance cut therein defining knockout tabs extending inwardly of the sheet from the bead, said tabs being adapted for bending at their juncture with the bead to positions projecting laterally therefrom for connection of the sections with a support.

2,344,280
LEAD-IN ARRANGEMENT
James E. Beggs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 11, 1942, Serial No. 438,559
4 Claims. (Cl. 250—27.5)



1. A lead-in arrangement comprising a body of fusible vitreous material, and a rigid cylindrical lead-in conductor sealed through the vitreous material and having a portion extending on one side of said vitreous material to form a contact prong, said conductor being fluted longitudinally at the region of its union with the vitreous material thereby providing means for preventing rotation of said conductor and for providing heat dissipation means.

2,344,281
STOCK FEED FOR PAPERMAKING MACHINES
Earl E. Berry and Lloyd Hornbostel, Beloit, Wis., assignors to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application January 20, 1939, Serial No. 251,887
27 Claims. (Cl. 92—44)



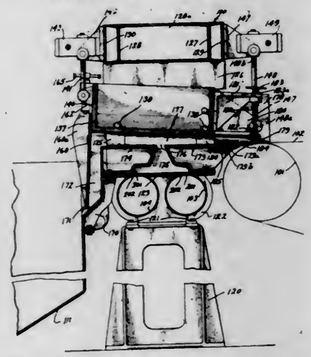
1. A stock feed device for paper making machines comprising an open ended housing defining an elongated cylindrical chamber, a stock conduit extending through said chamber in spaced relation from the walls of the housing, end caps disposed around said conduit closing the ends of the housing, annular bearings in said end caps having their inner peripheries in spaced relation from the conduit, cooperating annular bearings disposed around the conduit, a foraminous drum mounted between the cooperating pairs of bearings and extending along the

housing in spaced relation from the housing walls and from the conduit, said bearings sealing the interior of the housing from the end caps, said conduit having openings along the length thereof between said bearings, a ring gear in one of said end caps secured around the end portion of the recticular drum and a spur gear meshed with said ring gear for driving the drum in the housing around the conduit.

2,344,282
STOCK INLET FOR PAPERMAKING MACHINES

Earl E. Berry and Lloyd Hornbostel, Beloit, Wis., assignors to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin

Application July 31, 1939, Serial No. 287,506
38 Claims. (Cl. 92—44)

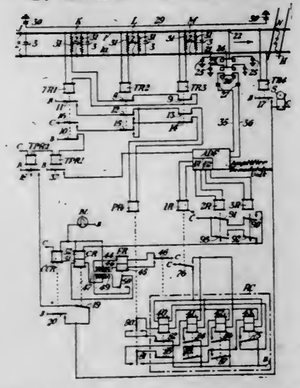


1. A stock inlet for a paper making machine having a web forming surface which comprises a plurality of longitudinally orificed stock conduits extending transversely across the width of the paper making machine, means for flowing stock in opposite directions through said conduits for ejection from the conduits along the lengths thereof and means defining a stock passageway having a width as great as the width of said web forming surface for directly receiving stock ejected from said conduits.

2,344,283
RAILWAY SIGNAL APPARATUS

Paul N. Bossart, Cheswick, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 30, 1941, Serial No. 409,046
17 Claims. (Cl. 246—130)

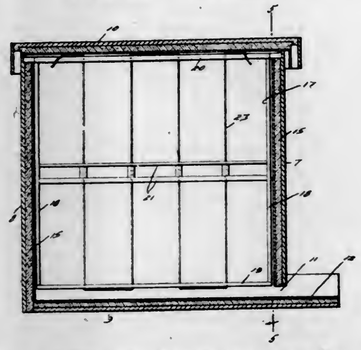


1. In combination, a stretch of railway trackway and a traffic controlling device located in said trackway, a train to travel said track, means carried on said train for transmitting to the trackway oscillations modulated in accordance with the train speed, means in the trackway receiving said oscillations, and means jointly governed by the position of said train in said trackway and by the received oscillations for selectively controlling said traffic controlling device to establish a substantially uniform time of operation of such device upon the approach of a train regardless of the train speed.

2,344,284
COMB FRAME FOR BEEHIVES

Omer A. Colley, Astoria, Long Island, N. Y.

Application February 4, 1941, Serial No. 377,383
4 Claims. (Cl. 6—10)

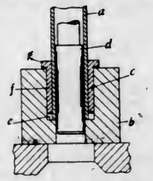


1. In a comb foundation support for a bee hive, a substantially rectangular shaped composition frame including vertical members and horizontal upper and lower members and intermediate and spaced horizontal members, a supporting wire laced through the intermediate members and the upper and lower horizontal members of the frame, said upper member of the frame and the lowermost of the intermediate horizontal members having grooves with the grooves of each member in communication with each other and with one groove opening outwardly through one of the vertical members of the frame, one groove of each of said members receiving a standard comb foundation with the lower edges of said foundations resting on the uppermost longitudinal member and the lower member of the frame with the runs of the wire impressed within said foundation.

2,344,285
UPSETTING OF METAL TUBES, RODS, OR THE LIKE

William John Cormode, Erdington, Birmingham, England, assignor to T. I. (Group Services) Limited, Birmingham, England

Application April 6, 1943, Serial No. 482,061
In Great Britain June 23, 1942
1 Claim. (Cl. 78—63)

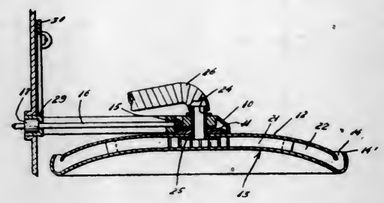


Means for upsetting a metal tube, rod, bar, extruded section or like work-piece, comprising the combination of a die adapted to accommodate the portion of the work-piece on which the upset is required, and a work support by which the surface of the work-piece adjacent to the upset is continuously supported during an endwise pressing operation on the work-piece, and which is slidable relatively to the work-piece while the upset is being formed.

2,344,286
AIRPLANE WING CONSTRUCTION

Carl M. Cosand, Cottonwood, Idaho

Application October 14, 1940, Serial No. 361,171
3 Claims. (Cl. 244—39)

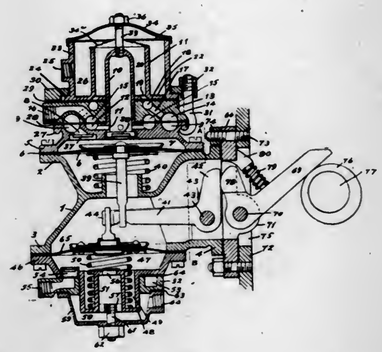


1. An airplane comprising an airplane body, a hollow concavo-convex wing supported at each side of the airplane body, said wings having ports adjacent their peripheral edges, a conduit rotatably supporting the center of each wing and adapted to supply heated gases thereto, blades in each wing adapted to force the gases toward the ports for discharge therefrom, said conduit having a discharge opening in advance of its connection with the wing, a closure for said opening normally maintained in closed position and means for rotating the wings.

2,344,287
PUMPING MEANS

John L. Creveling, Tucson, Ariz.

Application March 15, 1939, Serial No. 261,937
10 Claims. (Cl. 103—150)



1. Pumping means including fluid pressure varying means, a lever for operating said varying means, a pivot supporting said lever, an element extending upon opposite sides of said pivot adapted to transmit motion to said lever and causing said lever to move in a single direction when said element is moved by pressure applied to said element in the same linear direction on either side of said pivot.

2,344,288
METHOD FOR SOLUBILIZING TITANIFEROUS ORES

Roy Dahlstrom, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 12, 1942, Serial No. 430,634
7 Claims. (Cl. 23—117)

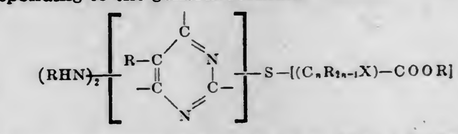
1. Method for preparing sulfuric acid solutions of titaniferous ores which comprises reacting a titaniferous ore with strong sulfuric acid to form water-soluble sulfates, dissolving said sulfates in aqueous media, separating the resultant sulfate solution from the solid residue contained therein, heating said residues separately and as such at temperatures from about 200° C. to about 1300° C., admixing the heated residue with fresh titaniferous ore and reacting the mixture with strong sulfuric acid.

2,344,289
COMPOSITION CONTAINING A DIAMINO DIAZINYL SUBSTITUTED - ALKYL SULPHIDE

Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

No Drawing. Application May 21, 1942, Serial No. 443,978
20 Claims. (Cl. 260—42)

1. A composition comprising an acid-curing, thermosetting resin carrying a curing agent therefor comprising a compound selected from the class consisting of (1) compounds corresponding to the general formula



where n represents an integer and is at least 1 and not more than 2, X represents a halogen atom, and R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals; and (2) soluble, fusible aldehyde-reaction products of the compounds of (1).

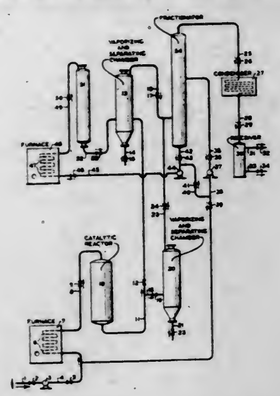
2,344,290
HYDROCARBON CONVERSION

Roland B. Day and Elmer R. Kanhofer, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application August 26, 1940, Serial No. 354,183
7 Claims. (Cl. 196—49)

1. A process for the conversion of hydrocarbon with a mass of cracking catalyst, fractionating the resulting cracked vapors to form light reflux oil which comprises passing vapors of said hydrocarbon oil at a cracking temperature in contact condensate, and a heavier reflux condensate, supplying at least a portion of said light reflux condensate to the catalytic conversion step, commingling the remaining portion of said light reflux condensate with said heavier reflux condensate and subjecting the mixture to non-catalytic thermal cracking treatment, supplying cracked

vapors from said non-catalytic thermal cracking treatment to the fractionation step and therein



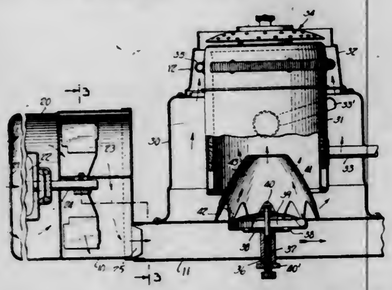
fractionating the same in combined state with the first mentioned cracked vapors, and finally condensing the fractionated vapors.

2,344,291

LIQUID FUEL STOVE

Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application January 27, 1940, Serial No. 316,040
10 Claims. (Cl. 158—94)



1. A liquid fuel stove comprising a wick-type burner, a blower for blowing air to the burner to maintain combustion at the surface of the wick under forced draft, and an air valve past which air must pass to supply the burner, the valve being maintained open by the pressure reaction of the moving air and being quickly self-closing in response to loss of said pressure reaction upon the cessation of said forced draft to immediately discontinue the supply of air from the blower to the wick surface and consequently extinguish the burner flame.

2,344,292

METHOD OF FINISHING GEARS

Joseph C. Drader, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware

Application June 24, 1940, Serial No. 342,042
6 Claims. (Cl. 90—1.6)

1. The method of finishing teeth of a gear disposed adjacent to a gear of a cluster which includes the steps of, mounting a gear and tool with the axes crossed at an angle less than 10 degrees to avoid interference with said adjacent gear, and machining by the relative movement in rotation between the gear and tool with cutting



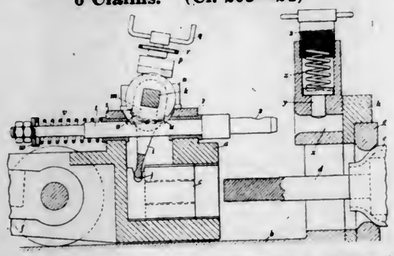
edges on the face of the flanks of the tool teeth disposed at an angle of substantially 25 degrees to the plane of the roll to machine involute forms on the gear teeth flanks.

2,344,293

DRAWBENCH GRIPPER CARRIAGE

David William Thomas Evans, Sutton Coldfield, England, assignor to T. I. (Group Services) Limited, Birmingham, England

Application November 17, 1942, Serial No. 465,876
In Great Britain November 21, 1941
6 Claims. (Cl. 205—24)



1. A draw bench gripper carriage of the kind specified having in combination a pair of gripper jaws slidably supported by the carriage, a lever pivoted on the carriage and adapted to engage the jaws, a slidable bar mounted on the carriage and adapted to actuate the lever, and means whereby the bar is temporarily engaged and held stationary during the initial part of the movement of the carriage away from the die.

2,344,294

ELECTROMAGNETIC INDUCTION APPARATUS

Thomas M. Evans, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application December 18, 1940, Serial No. 370,691
8 Claims. (Cl. 175—356)



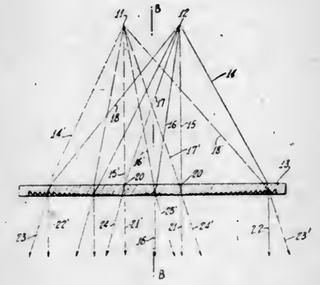
2. Polyphase electromagnetic induction apparatus comprising a plurality of conductive-winding structures, each adapted to be connected to one of the phases of a polyphase electrical system and a plurality of wound-strip magnetic cores equal in number to the number of conductive winding structures, said winding structures being side by side in a row with parallel winding legs and with parallel magnetic axes perpendicular to the winding legs, each winding structure having a window for the reception of magnetic core material, each leg having a substantially flat-sided cross-section, one of said cores surrounding a winding leg of one of the end winding structures together with the adjacent winding leg of the adjacent winding structure, the second of said cores surrounding a second winding leg of the second of said winding structures together with the adjacent leg of an adjacent third winding structure, each of said magnetic cores with the exception of one of them, referred to as the last magnetic core, thus surrounding a pair of winding legs of adjacent conductive winding structures and said last magnetic core surrounding the other magnetic cores, each winding window having two cores passing therethrough.

2,344,295

LUMINAIRE

Kurt Franck, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware

Application March 11, 1942, Serial No. 434,267
6 Claims. (Cl. 240—106.1)



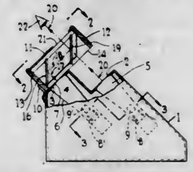
2. A luminaire comprising a source of luminosity of substantial dimension and having its dominant light output coming from two regions on opposite sides of an axis of symmetry and equally spaced therefrom, and a lens whose profile is symmetrical on opposite sides of said axis of symmetry, each side of the lens having a system of prisms which accepts direct rays from the entire source of luminosity and produces non-centrally located, continuously and progressively displaced regions of luminosity and wherein the refracting power of the said prisms decreases for a finite distance from said axis to a region of zero refracting power and then increases but with the opposite sign beyond said zero region to a substantially greater amount than at said axis and being such that direct rays originating in the corresponding region of the source of luminosity and not crossing the axis of symmetry are concentrated into parallelism with one another and the axis of symmetry, and direct rays originating in the opposite remote region and crossing the axis of symmetry are concentrated into parallelism with one another and emitted in directions slightly divergent from the axis of symmetry, whereby the light output of the luminaire is characterized by an absence of convergent light and consists of a bundle of substantially parallel rays of substantially the area of the lens for producing a very intensely lighted region adjacent the axis of symmetry and slightly divergent light rays providing light fringes of gradually lesser intensity; the zero regions of the lens being aligned substantially with the two regions of dominant light output of the source of luminosity.

2,344,296

MEANS AND METHOD FOR CATHODE RAY OSCILLOSCOPE OBSERVATION AND RECORDATION

Frederick W. Frink, New York, N. Y.

Original application January 25, 1938, Serial No. 186,794. Divided and this application November 29, 1940, Serial No. 367,707
9 Claims. (Cl. 171—95)



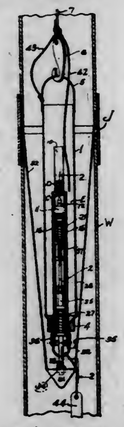
1. The combination with a plurality of cathode ray tubes having screens adapted to become luminous under the influence of the cathode rays, each of said tubes having pairs of deflection plates for deflecting the cathode rays, said pairs of plates being displaced from each other angularly about the axis of the tube, of means for impressing voltages from different sources upon pairs of said deflection plates in different tubes, means for impressing "sweep" voltages of the same frequency upon the other pairs of deflection plates in said tubes respectively, and light-deflecting means for causing the lines of the luminous traces upon said screens to appear to the vision of the observer to be superposed, said deflecting means being non-diffusing whereby each of said luminous lines as traced upon said screen shall be preserved in its original definition to the vision of the observer.

2,344,297

DEEP WELL FIRING MECHANISM

Howard H. Greene, Oklahoma City, Okla.

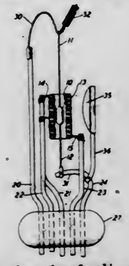
Application August 3, 1940, Serial No. 350,528
8 Claims. (Cl. 102—20)



1. In a deep well firing device, a member having upwardly and outwardly inclined yielding elements for sliding freely down a well but resisting movement of said member upwardly in the well, a frame slidable relative to said member, a firing hammer movably mounted on said frame, a spring having an upwardly facing seat on said frame and thrusting said hammer upwardly, a spring having an upwardly facing seat on said frame and supporting said member, jaws on said member yieldingly engaging said hammer to hold it against the initial thrust of said hammer spring but re-

leasing their hold on said hammer when said hammer spring is sufficiently compressed, a detonator carried on said frame and adapted to be exploded by said hammer when said hammer is released from said jaws, and means for lifting said frame in the well while the well-engaging elements of said member are functioning.

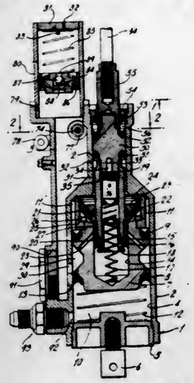
2,344,298
RESISTOR DEVICE
Charles B. Green, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 21, 1942, Serial No. 427,535
1 Claim. (Cl. 219—19)



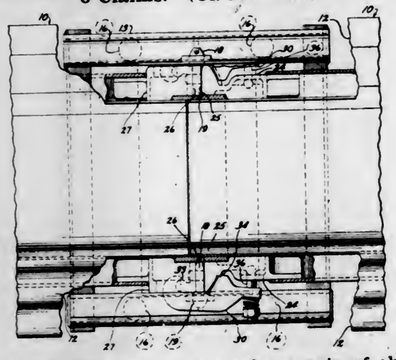
In a resistor device including a small resistor unit having a pair of leads projecting oppositely therefrom, an orificed, radiant heater, and an envelope for enclosing the unit and heater, means for supporting the unit and heater within said envelope comprising a plurality of conductors sealably mounted in spaced relation through a portion of said envelope, said heater comprising a plurality of turns of wire wound in a cylindrical coil with a center tap and end connections, said coil impregnated with an insulating material rendering it relatively rigid, the axial length of said coil exceeding the length of the unit in the direction of the projecting leads, the heater having its end connections and center tap secured respectively to three of said conductors spaced approximately 120 degrees apart around the axis of said coil, one of the leads of said resistor unit being connected to a portion of another of the supporting conductors, said portion lying approximately at right angles to the axis of the coil, and the other of said leads connected to a bowed spring member having one end in line with said axis and the other secured to still another of the support conductors, said right angle conductor portion and spring member being adjusted to apply a slight tension to the leads and to suspend the resistor unit within the orifice of said heater approximately at its center.

2,344,299
HYDRAULIC ACTUATING MECHANISM
Martin V. Groves, Brooklyn, N. Y., assignor of one-half to Arthur Wilde and Arthur Hull-Ryde, both of Bayside, N. Y.
Application March 28, 1942, Serial No. 436,584
3 Claims. (Cl. 60—54.6)

1. In a liquid compressor the combination of a cylinder having a discharge port for communication with a hydraulic device to be actuated, a piston in said cylinder for discharging liquid through said port, a liquid reservoir in communication with said cylinder, a piston rod for actuating said piston, a locking cylinder rigidly secured to said first cylinder as a longitudinal extension thereof and through which said piston rod passes, a relatively fixed liquid seal between said rod and locking cylinder, a locking piston cooperatively disposed in liquid sealing engagement within said locking cylinder and secured against axial movement relative to said rod and movable with said rod and first piston, said fixed seal and said locking piston jointly providing with said locking cylinder a liquid space, a passage interconnecting said liquid reservoir with said space and a valve for closing said passage to thereby hydraulically lock said first piston in pressure position.

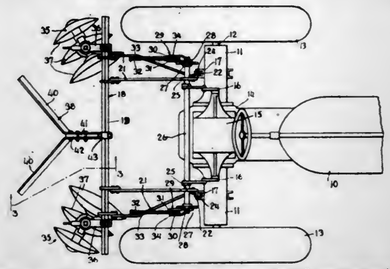


2,344,300
SHAKER CONVEYER TROUGH CONNECTING MEANS
Loy D. Hagenbook, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 18, 1943, Serial No. 472,668
8 Claims. (Cl. 198—220)



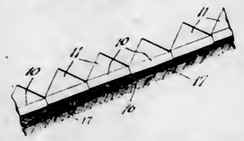
1. In a connecting means for a pair of shaker conveyer troughs, a connecting member projecting laterally from one end of one of said troughs, another connecting member projecting laterally from an adjacent end of said other trough, an interengaging connection between said members, and a clamping member having engaging connection with oppositely disposed faces of said members, one of said faces serving as a fulcrum for said clamping member, and said clamping member having a concave engaging surface adapted to pivot about said face forming the fulcrum for said clamping member, and having another spaced facing concave engaging surface having slidable wedging engagement with said opposite face, so that movement of said clamping member about said fulcrum and towards said other connecting member will draw said troughs together.

2,344,301
AGRICULTURAL IMPLEMENT
Frederick E. Hand, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 23, 1940, Serial No. 362,362
5 Claims. (Cl. 97—47)



1. In combination, a tractor, a tool-supporting frame connected to the tractor and including a transversely extending tool bar, a pair of bedding tools connected to the tool bar, the respective bedding tools being arranged on the bar in opposing and spaced relationship with respect to each other, and a device for leveling off the dirt on the top of the bed formed by the bedding tools connected to the tool bar between the respective bedding tools.

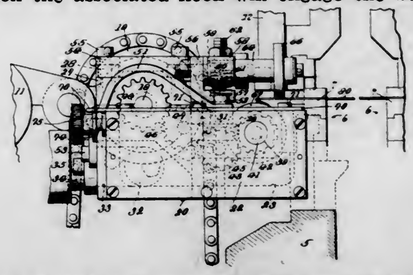
2,344,302
REVETMENT AND BLOCK THEREFOR
Leroy F. Harza, Highland Park, Ill.
Application June 30, 1939, Serial No. 282,057
3 Claims. (Cl. 61—37)



2. A revetment comprising a layer of aggregate covering a surface to be protected from water action; a plurality of concrete blocks supported by the layer and spaced with open joints no wider than the particle size of the aggregate; and each block comprising an equilateral right angled prismatic base of a height which allows opposed bottom side edges of adjacent blocks to shift relatively, either upwardly or downwardly without exposing the layer beneath; and each block having a pyramidal superstructure rising centrally from its base to break up said water action.

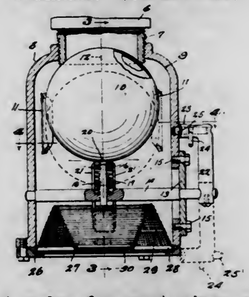
2,344,303
CONTAINER SIDE SEAM SEALING COMPOUND APPLYING APPARATUS
John Henchert and Clayton P. Ball, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 5, 1943, Serial No. 481,922
14 Claims. (Cl. 91—51)

1. A sealing compound applying apparatus for body makers wherein container body blanks are fed along, each with a lateral edge thereof disposed in the direction of feed and equipped with a seam hook and a lap portion endwise of each hook end, an applicator roller rotating in a plane traversing the path of travel of said blank lateral edges and having a generally cylindriform periphery terminating in the direction of feed of said blanks in an abrupt drop shoulder and merging in the opposite direction into a hook lifting bevel, and means for maintaining a film of sealing compound on said roller periphery, said roller being disposed to contact said blank lateral edges whereby each leading lap portion will first engage said periphery and be coated thereby, then the associated hook will engage the bevel



and be deflected outwardly with respect to the roller axis to place the hook in drag contact with said periphery for collecting sealing compound therefrom, and then said hook will abruptly pass over said abrupt shoulder and cause the associated trailing lap portion to engage and be coated by said periphery.

2,344,304
VENT PIPE VALVE FOR FUEL OIL TANKS
Frank B. Hooper, Newport News, Va.
Application December 30, 1942, Serial No. 470,617
3 Claims. (Cl. 137—69)

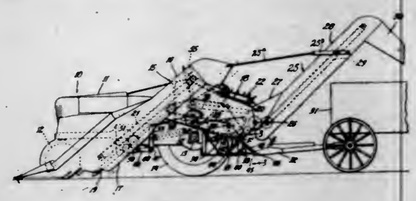


1. A vent valve for vent pipes of oil tanks, comprising a valve housing having a valve seat nipple, a ball float valve within the housing adapted to engage the said valve seat, closing the vent valve, a manually controlled valve support embodying a rotatable shaft and a spring pressed member mounted on the shaft, said valve adapted to rest on the spring pressed member, said spring pressed member providing a cam adapted to move the valve to its seat when the shaft is rotated to one position, and said ball valve adapted to move from its seat against the action of the spring member, relieving gas pressure in the seat nipple.

2,344,305
CORN PICKER
Benjamin M. Hyman, Moline, and Edward M. Melin, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 21, 1941, Serial No. 403,322
5 Claims. (Cl. 56—18)

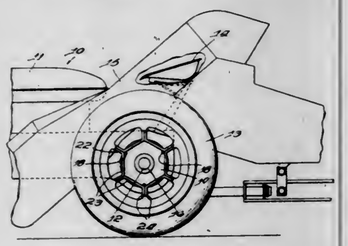
5. In combination, a tractor having a rear axle, a supporting structure secured to the tractor to the rear of the rear axle, a harvester ex-

tending longitudinally of the tractor from the front thereof over the rear axle to the supporting structure, and mounting means having one pivotal connection with the supporting structure



and another pivotal connection with the rear end of the harvester spaced from the said one pivotal connection, said mounting means serving to provide the rear end of the harvester with a shiftable mounting.

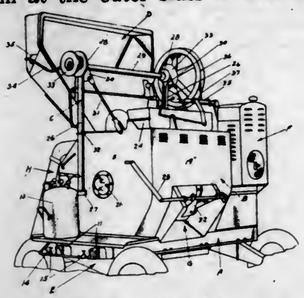
2,344,306
HUB EXTENSION FOR MOUNTING TRACTORS
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 27, 1942, Serial No. 444,693
13 Claims. (Cl. 280—165)



1. In an assembly comprising a tractor having a body, an axle extending from one side thereof, a seat at the rear of the body generally over the axle, a wheel at the end of the axle spaced from the said one side of the tractor body, and an implement positioned over the axle in the space between the tractor body and the wheel, the combination therewith of means for assisting an operator to climb over the implement into the seat, said means comprising an object having an outer periphery upon which an operator may step and which is of generally circular shape with outwardly extending projections spaced thereabout, and means fixing the object to the wheel in spaced relation to the outer side thereof with its center approximately coincident with the axis of the wheel.

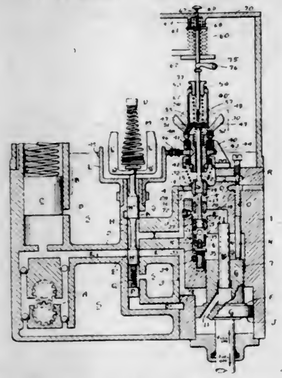
2,344,307
MIXING MACHINE
Daniel C. Jones, Port Washington, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 9, 1942, Serial No. 430,126
5 Claims. (Cl. 259—167)

1. In a mixer of the class described, in combination, a base frame, an upwardly open mixing drum engaged therewith and comprising the lower portion of a hoisting frame, charging means for said drum, supports carried by the ends of said drum at the outer sides of said ends and



hoisting instrumentalities for the charging means engaged with said supports comprising the upper portion of said hoisting frame.

2,344,308
GOVERNOR
Albert Kalin, Cleveland, Ohio
Application April 1, 1942, Serial No. 437,122
15 Claims. (Cl. 121—42)

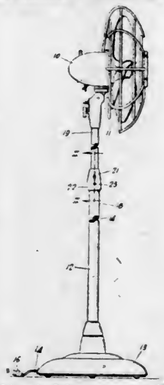


1. In a hydraulic relay governor, comprising a pilot valve and a regulating servo-motor controlled by said valve and having differential pressure areas so arranged that pressure fluid maintained continuously at one pressure area causes regulating movement of the servo-motor in one direction upon pilot-valve-controlled relief of pressure at an opposed relatively larger pressure area of the servo-motor and pressure fluid applied at the effectively larger pressure area under control of the pilot valve causes regulating movement in an opposite direction, the combination therewith of a three port valve operatively interposed between the pilot valve and servo-motor and having plug means operable first to close a port leading to the pilot valve whereby to block fluid communication between the pilot valve and said effectively larger pressure area and then to open another port while the first port remains closed and a third port maintains communication between said three port valve and the effectively larger pressure area, whereby to vent pressure fluid from adjacent said latter area, and means for actuating said three port valve.

10. In a hydraulic relay speed governor, speed-responsive pilot valve mechanism, a hydraulic regulating servo-motor controlled by said mechanism, a subservient control valve including a valve plunger arranged in the hydraulic system of the servo-motor and adapted to be moved

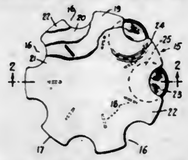
axially for subservient control of the servo-motor, a low-speed-responsive ballhead mechanism having flyballs operatively connected with the valve plunger, and a rod axially aligned with the valve plunger and supported independently of the ballhead for operating the valve plunger independently of the ballhead mechanism.

2,344,309
AIR TRANSLATING APPARATUS
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1941, Serial No. 398,863
2 Claims. (Cl. 248—161)



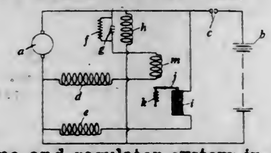
1. In an adjustable support for a fan including an electric motor and fan blades driven thereby, the combination of a substantially vertical column, said column including a tubular portion and a second portion telescopically adjustable in said tubular portion and rotatable therein, a collar connected to said tubular portion and surrounding a portion of said second portion, said collar having a recess therein located adjacent said second portion, a fibre member between said collar and said second portion to prevent injuring the surface of said second portion when it is adjusted, a resilient member located in said recess in said collar and bearing against said fiber member, and means for applying pressure to said resilient member to cause it to hold said second portion in adjusted position.

2,344,310
PURSE STRUCTURE
Otto Kominik, New York, N. Y.
Application May 22, 1943, Serial No. 488,069
3 Claims. (Cl. 150—37)



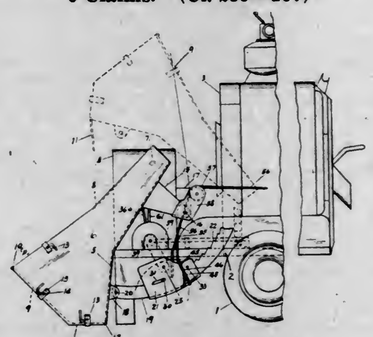
1. A purse for holding coins comprising a plurality of coextensive superimposed layers of yieldable, but relatively stiff and friction-producing material forming together a unitary structure of inner layers and outer layers, all layers being provided at their outer boundary with coextensive inwardly extending spaced apart notches, spaced apart attaching means for joining said inner layers to each other at locations positioned adjacent and laterally of said notches, whereby pockets are formed each having an opening along each notch and between adjacent parts of said inner layers, each of said pockets being laterally confined by two adjacent attaching means, said outer layers covering said joined inner layers and being connected thereto to reinforce said structure, said attaching means laterally confining a pocket being spaced a predetermined distance to limit the depth of each pocket for the reception of a coin, when inserted in one of the pockets, said coin being concealed in said one pocket and extending to said boundary for gripping engagement by the fingers of a hand of a person.

2,344,311
DYNAMO AND REGULATING MEANS THEREFOR
John Andrew Laird, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application September 11, 1942, Serial No. 458,009
In Great Britain October 31, 1941
1 Claim. (Cl. 171—223)



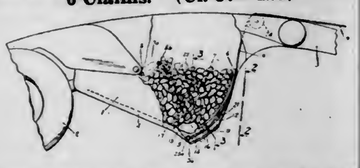
A dynamo and regulator system in which the dynamo is provided with a pair of field windings, and in which the regulator comprises in combination vibratory contacts in series with one of the windings, a carbon pile in series with the other winding, an electromagnet for actuating the contacts in response to a condition associated with the dynamo, and another electromagnet for actuating the carbon pile in response to current in the first mentioned field winding.

2,344,312
SKIP OR HOPPER AGITATING AND RAISING MEANS
Erich H. Lichtenberg, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application May 20, 1942, Serial No. 443,796
9 Claims. (Cl. 259—167)



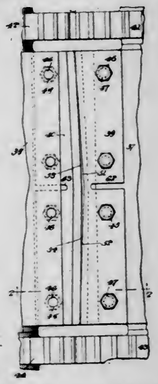
1. In combination, a skip adapted to receive and deposit aggregate, means for raising the skip, including a ratchet bar connected to the skip, a holding dog, a lifting dog, and intermittently operating gear means actuating said lift dog to move said ratchet bar and raise the skip.

2,344,313
FRONT APRON CONSTRUCTION
Erich H. Lichtenberg, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application May 20, 1942, Serial No. 443,797
6 Claims. (Cl. 37—129)



1. Dirt engaging and moving body construction, including a body having a forwardly movable scraper, and an apron unit supported thereby, movable toward and from the scraper and comprised of superposed apron members arranged to close the body adjacent to the scraper to retain dirt in the body, and means for independently or simultaneously operating each of said members to and from positions engaging the scraper.

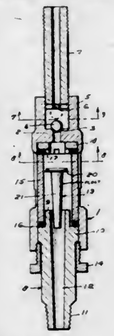
2,344,314
METHOD OF PRODUCING ROTARY CUTTERS
Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application January 30, 1942, Serial No. 428,846
8 Claims. (Cl. 76—101)



1. The herein described method which consists in bending a resilient flat bar at an intermediate point in the plane of its greatest cross sectional dimension, developing a straight cutting edge along one side of the bent bar from end to end thereof and allowing the bar to spring back to its normal position to form two oppositely inclined straight cutting edges along said side of the bar.

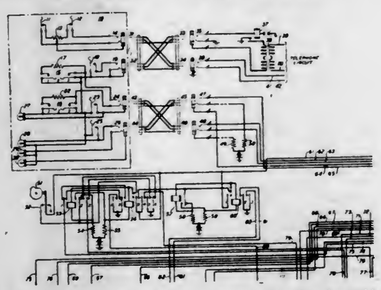
2,344,315
OIL LEAKAGE INDICATOR
Alvin E. McCawley, Mont Belvieu, Tex., assignor of one-half to Darrell E. Williams, Mont Belvieu, Tex.
Application July 8, 1942, Serial No. 450,175
1 Claim. (Cl. 73—51)

An oil leakage indicator having the form of an elongated sectional unit adapted to be interposed in upstanding position in an oil line feeding oil under pressure, said unit comprising a tubular sleeve section provided with longitudinally extending sight slots therein, a back pressure valve in the upper end of said sleeve section, a tubular bottom section slidably fitted in the lower end of the sleeve section and depending therefrom, said bottom section having an upwardly flaring bore, a tubular sight glass fitted in said sleeve section and retained therein by said bottom section, a gland nut threaded into the lower end of the sleeve section and retaining the bottom section in the sleeve section, and an indicator member



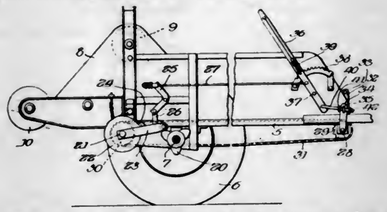
having a tapered shank normally depending in said bore with a clearance and a flat enlarged head normally seating on the upper end of the bottom section, said check valve comprising a gravity seating ball, and said sleeve section having an annular flange in its upper end forming a seat for said ball, and a spider in the upper end of said sleeve section for limiting opening movement of said ball and formed to pass oil out of said sleeve section.

2,344,316
TESTING SYSTEM
Burton McKim, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1942, Serial No. 427,866
11 Claims. (Cl. 179—175.11)



1. In a testing system, a control circuit having electrically operable equipment, a plurality of devices in said control circuit for effecting different characters of operations of said equipment, selecting relays, means for operating or releasing certain of said selecting relays for selectively operating said devices, a current source supply circuit for said electrically operable equipment normally established through the contacts of a current supply relay, a tube for creating a circuit for energizing said current supply relay to open said current source supply circuit and contact means in said selecting relays for causing a breakdown of said tube responsive to the operation or the release of one of said selecting relays.

2,344,317
CONTROL MEANS FOR MANURE SPREADERS
Raymore D. MacDonald, Battle Creek, Mich., assignor to International Harvester Company, a corporation of New Jersey
Application February 13, 1942, Serial No. 430,778
10 Claims. (Cl. 275—5)



1. For a material spreader having a longitudinal wheeled body, a longitudinal feeder apron for moving material to the rear of the body, disengageable cam and ratchet means for driving the apron, distributor means, and means for driving the distributor means including a chain driven by a wheel of the spreader: the combination of single control means for controlling both the cam and ratchet means and the distributor-driving means in sequence comprising a transverse rock-shaft, an arm rigid on the rock-shaft, means for disengaging the chain from the wheel, means operatively connecting said means and the arm on the rock-shaft, a second arm rigid on the rock-shaft, a control lever movably carried on the spreader body, means connecting the lever to the cam and ratchet means, and means including a lost-motion connection connected between the lever and the second arm on the rock-shaft whereby operation of the lever first disengages the cam and ratchet means and then operates the chain-disengaging means.

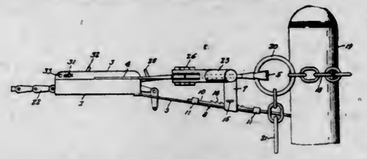
2,344,318
TREATMENT OF HYDROCARBONS
William J. Mattox, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 28, 1939, Serial No. 311,306
8 Claims. (Cl. 260—673.5)

1. A process for producing aromatic hydrocarbons from aliphatic hydrocarbons containing at least six carbon atoms in straight chain arrangement which comprises dehydrogenating and cyclicizing said aliphatic hydrocarbons under dehydrocyclization conditions of temperature and pressure in the presence of a dehydrocyclization catalyst comprising essentially a major proportion of thorium oxide and relatively minor proportions of magnesium oxide and an oxide of an element selected from the members of the left-hand column of group 6 of the periodic table.

2,344,319
METHOD FOR THE PURIFICATION OF TITANIUM TETRACHLORIDE
Walter F. Meister, Elizabeth, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 11, 1942, Serial No. 457,970
5 Claims. (Cl. 23—87)

1. Method for purifying titanium tetrachloride which comprises admixing with crude titanium tetrachloride a small amount of a hydrated ferrous sulfate which yields water of hydration at temperatures below about 136° C., boiling the mixture under refluxing conditions and then distilling the so-treated titanium tetrachloride.

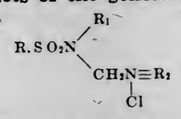
2,344,320
WIRE STRETCHER
George F. Nidiver, Des Moines, Iowa
Application February 20, 1943, Serial No. 476,586
5 Claims. (Cl. 254—74)



1. A wire stretcher for attachment to a fence post comprising an elongated housing, a pair of laterally spaced grappling bars extending from one end of the housing and terminating in a pair of grappling hooks, a chain adapted to be looped around said post and for attachment to said hooks to anchor said bars and housing to the post to extend horizontally from one side thereof, a stretcher chain movable lengthwise through said housing step by step and adapted for the attachment of wire thereto for stretching under such movement thereof, manipulative means to move said stretcher chain step by step, and means extending between said housing and post to maintain the housing and grappling bars against sagging out of horizontal position.

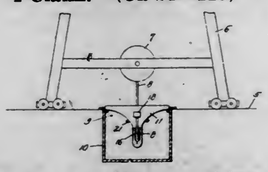
2,344,321
CONDENSATION PRODUCTS OF SULPHONIC ACID AMIDES AND SULPHONIC ACID HYDRAZIDES AND A PROCESS OF PREPARING THEM
Ludwig Orthner, Frankfort - on - the - Main, Gerhard Balle, Frankfort-on-the-Main-Sud, and Heinz Schild, Frankfort-on-the-Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 23, 1938, Serial No. 247,395. In Germany December 24, 1937
9 Claims. (Cl. 260—296)

1. The products of the general formula:



wherein R stands for an aliphatic hydrocarbon radical of at least 4 carbon atoms, R_1 stands for a member of the group consisting of hydrogen and alkyl radicals and $N{\equiv}R_2$ stands for a tertiary base.

2,344,322
CABLE ANCHOR
Lafayette H. Peevey, Alameda, Calif.
Application December 11, 1942, Serial No. 468,739
1 Claim. (Cl. 24—115)



An anchor for a cable comprising a funnel-shaped box-like structure having flat front and rear walls, the rear wall embodying a depending central tail-like extension, means for attaching a

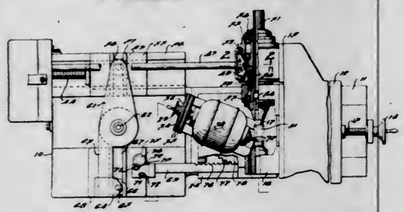
cable to the lower end of the extension to extend upwardly out of the structure, and comprising a tubular upright clamp pivotally mounted at its lower end on said extension for swinging between said walls parallel therewith to compensate for swinging movement of the cable between said walls, said structure having upwardly flaring edge walls to obviate sharp bends in the cable between said walls, and a cover for said structure through which said cable slidably extends, said cover being slidably mounted on said walls for compensating movement with said cable.

2,344,323

TOOTH RELIEVING MACHINE

Harry Pelphrey, Detroit, Mich.

Application October 24, 1940, Serial No. 362,489
4 Claims. (Cl. 90—3)



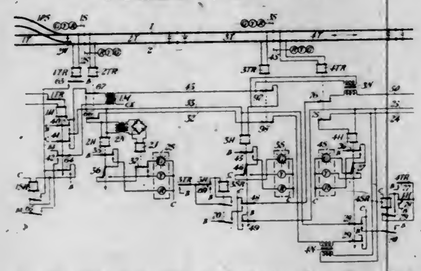
1. In a machine for relieving the flanks of the thread of a globoidal type worm, a support for the worm, means for rotating said support, a rotatable table mounted for rotation upon an axis coinciding with the axis of the wheel with which the worm is adapted to mesh, a reciprocable rack member for rotating said table, a feed screw, means for rotating said feed screw synchronously with rotation of said worm and a lever mechanism interconnecting said feed screw and rack member to effect rotation of said table synchronously with said worm, but at a speed different from the speed of rotation of the worm wheel with which said worm is adapted to mesh.

2,344,324

RAILWAY SIGNALING SYSTEM

George R. Pflasterer, Greenville, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 14, 1942, Serial No. 426,745
6 Claims. (Cl. 246—33)



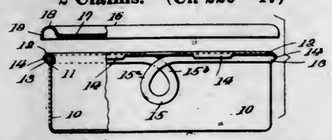
1. In combination, a stretch of railroad track having a first and a second passing siding which are connected by a single track portion over which traffic moves in both directions, the rails of the single track portion being divided by insulated joints into a plurality of successive block sections, each block section having at the end thereof nearest the first passing siding a signal governing entrance into the block section of trains moving from the first to the second passing siding, the signals each being capable of displaying a plurality of indications, the signal for the block section adjacent the first passing siding being capable of providing a clear indication and at least one restrictive indication, each section having means governed by traffic conditions in said section and controlling the signal for such section, and means responsive to occupancy of the portion of the track stretch beside the second passing siding and controlling the signal for the block section adjacent the first passing siding in such manner as to permit the display of the clear indication by said signal only when the portion of the track stretch beside the second passing siding is vacant or is occupied by a train entering said track portion from the single track portion.

2,344,325

WIRE OPENING CONTAINER

William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application September 15, 1941, Serial No. 410,921
2 Claims. (Cl. 220—47)



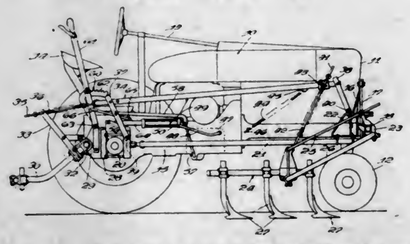
1. A sheet metal container comprising a body having the upper edge of the side walls thereof bent inwardly and outwardly to form a recess, a cover stripping member disposed in said recess and extending all the way around the body, said body wall having projecting lugs overlying said stripping member for holding the same in said recess, said stripping member between a pair of holding lugs having a depending portion normally extending downwardly adjacent the side wall of the container body, a cover for said container having a depending flange adapted to be bent sufficiently beneath the lugs and stripping member for firmly securing the cover to the container body, said cover flange being disposed so as to engage said depending portion of the stripping member whereby when said depending portion is turned from a position adjacent the side wall toward a position approximating right angles thereto said cover will be forced off from the container body.

2,344,326

TRACTOR-MOUNTED IMPLEMENT

Ralph A. Ratcliff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application August 22, 1942, Serial No. 455,735
5 Claims. (Cl. 97—50)



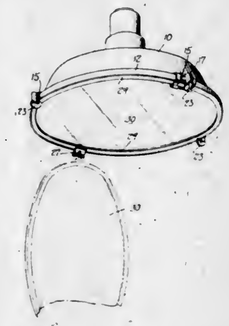
1. In combination, a tool-supporting structure having an underbody portion, a working tool located in vertical alinement with the underbody portion, means for connecting the working tool to the tool-supporting structure for vertical movement from its working position to its transport position on the tool-supporting structure, a power arrangement for lifting the working tool to its transport position and including a power-extensible device connected to the tool-supporting structure to react thereagainst and adapted to be extended the same amount when operated whereby the working tool will be lifted always to within the same distance from the underbody portion, said extensible device including relatively extensible parts, and adjustable stop means including a sleeve slidable on one of said parts and engageable with another of said parts for limiting the amount of collapse of the extensible parts whereby the working position of the working tool may be adjusted.

2,344,327

CLOSURE

Richard M. Runge, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application September 26, 1940, Serial No. 358,412
9 Claims. (Cl. 220—55)



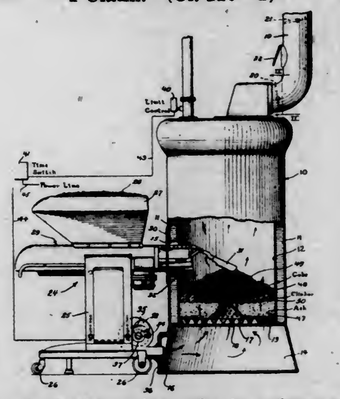
1. In a closure, a generally flat frame shaped to form a closed figure and adapted to receive from its front face the open mouth of an article and to be secured to said article with the article protruding into said frame a predetermined distance, the frame having a plurality of openings spaced outside its inner margin and having their axes substantially normal to the plane of the frame, a shaft slidably and rotatably carried in each opening, each shaft carrying a laterally extending pressure finger spaced forwardly of the inner edge of the frame and of the protruding portion of the received article and movable from an inner position opposite the inner edge of the frame and of the received article to an outer position, a spring acting on each shaft to move it axially and urge the finger thereon rearwardly toward the frame and article, a second frame of similar contour to the first receivable between the shafts and carrying a closure plate, the second frame being disposed behind the fingers when in their inner positions and adapted to be pressed thereby against the lower face of said article, the dimensions of the parts being such that the springs create pressure between the frames and mouth of the article, the adjacent surfaces of the first frame and each pressure finger being formed to provide cooperable cam surfaces effective on turning the pressure finger to swing it outwardly to move the said finger forwardly and separate it from the second frame.

2,344,328

COKE BURNING METHOD

Franklin R. Schrage, Riverside, Ill., assignor to Interlake Iron Corporation, Chicago, Ill., a corporation of New York

Application April 17, 1940, Serial No. 330,152
1 Claim. (Cl. 110—1)



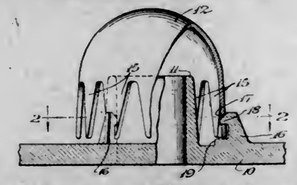
A method of burning coke in a furnace which comprises forming a fire bed having a layer of ashes and a layer of burning coke above the ashes and a layer of unburned coke above the burning coke, and alternately maintaining a low draft and a high draft through said fire bed, said low draft being scarcely sufficient to maintain combustion of said coke and said high draft being sufficient to maintain combustion of said coke at a temperature above the clinker-forming temperature.

2,344,329

FRACTIONATING EQUIPMENT

Allen M. Shoresman, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Substituted for application Serial No. 311,310, December 28, 1939. This application February 28, 1942, Serial No. 432,747
3 Claims. (Cl. 261—114)



1. In combination with a deck or tray of a fractionator having a plurality of spaced vapor risers, a removable bubble cap disposed over each of said risers, said bubble caps each having a skirt portion provided with spaced openings, and spaced lugs on said deck having projecting portions constructed and arranged to be inserted in said openings for retaining the caps in place on the deck.

2,344,330

CONVERSION OF HYDROCARBONS

John F. Sturgeon, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 5, 1942, Serial No. 433,443
11 Claims. (Cl. 260—673.5)

2. A process for the treatment of an aliphatic hydrocarbon containing at least six carbon atoms

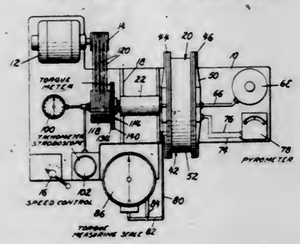
in straight chain arrangement to produce aromatic hydrocarbons therefrom by dehydrogenation and ring closure which comprises subjecting said hydrocarbon to contact with a catalyst prepared by forming mixed metal oxide hydrogels containing at least one component having a dehydrogenating catalytic activity in a partially dehydrated condition, filtering the hydrogels to separate mechanically removable water, freezing and then thawing the filtered hydrogel to destroy its gelatinous structure, filtering, drying and washing to remove water soluble impurities, forming into particles and calcining to produce an active catalyst.

2,344,331

FRICTIONAL RESISTANCE TEST APPARATUS

John Frederick Swift and Raymond J. Miller, Detroit, Mich., assignors to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application August 22, 1941, Serial No. 407,992
4 Claims. (Cl. 265—10)



1. A testing apparatus for determining frictional resistance imposed on a mass when rotated in liquid comprising a support, a hollow shaft mounted for limited rotative movement thereon, a case for the reception of liquid fixedly secured to the hollow shaft, a reaction torque measuring instrument connected to the case, a shaft mounted for rotation in the hollow shaft, a speed indicating instrument connected to the shaft, a spindle on the shaft extended into the case for support of an element to undergo test, a torque measuring device connected between the shaft and the hollow shaft, and means for driving the shaft through the torque measuring device including means for regulating the speed of rotation of the shaft.

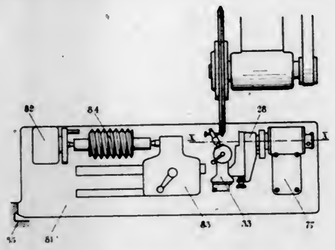
2,344,332

APPARATUS FOR TRUING GRINDING WHEELS

Fernand Turrettini, Geneva, Switzerland, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland

Application September 10, 1943, Serial No. 501,858
In Switzerland October 2, 1942
8 Claims. (Cl. 125—11)

1. Apparatus for truing a grinding wheel, more particularly a grinding wheel intended for dressing high pitch threads, characterized by a shaft mounted in its bearings in such a way as to be able to rotate and to slide axially, the axis of this shaft being intended to occupy in relation to the grinding wheel the same relative position as the axis of the piece to be ground, by a diamond carried by the shaft and mounted in such a way as to be able to slide parallel with the sides of this grinding wheel, by a supporting plane disposed transversely to the axis of the shaft, by control means enabling to adjust the inclination of this plane in relation with said axis, by a stopping device pressed between the plane and the shaft by means of a spring, and by a mechanism of transmission of movement linking the stopping device to the shaft and such that, when the latter revolves, the device moves along the slope of the



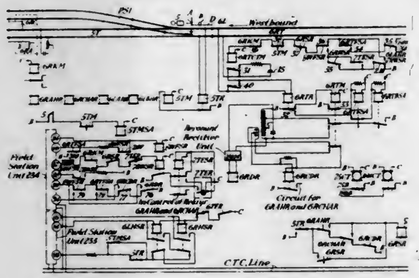
supporting plane, the whole in such a way that when one operates the shaft and the diamond, the latter describes a portion of helicoid corresponding to that part of the thread to be dressed which comes in contact with the grinding wheel, the pitch of this helicoid being determined by the inclination of the supporting plane.

2,344,333

RAILWAY TRAFFIC CONTROLLING APPARATUS

James J. Van Horn, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 25, 1941, Serial No. 412,279
52 Claims. (Cl. 246—3)



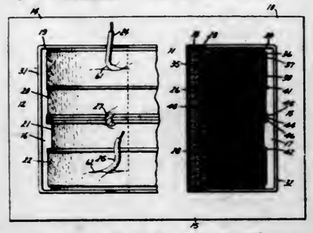
1. In combination with a stretch of single track over which traffic may move in either direction, said stretch being divided into a plurality of track circuit sections, an eastbound and a westbound traffic direction control relay adjacent the east and the west end respectively of said stretch, means effective when said eastbound traffic relay is deenergized and said stretch is unoccupied for relaying uncoded rail current over said sections from said east end to said west end for providing an unoccupied block indication, a stick relay adjacent said east end, a track relay adjacent said west end responsive to said uncoded current, means effective for energizing said stick relay to thereby interrupt the supply of said uncoded rail current and release said track relay, means for energizing said westbound traffic direction relay, means effective when said track relay is released and said westbound traffic relay is energized for relaying coded rail current over said sections from said west end to said east end, and traffic governing means responsive to the receipt of said coded rail current at said east end.

2,344,334

HIGH VOLTAGE WINDING

Jacob J. Vienneau, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application August 2, 1940, Serial No. 349,516
7 Claims. (Cl. 175—362)



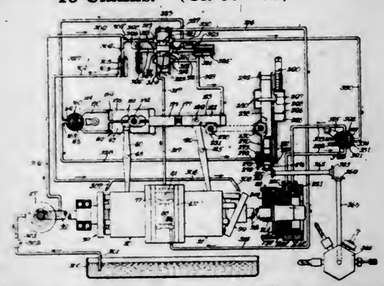
1. A winding for electrical induction apparatus including a pair of adjacent coaxial cylindrical coils, the inner end turns of said coils being connected together, an insulating member having a flange portion extending across an axial surface of one of said coils and an integral ring portion extending over the end of said one of said coils remote from the second of said coils, and a wrapping of insulating material on said one of said coils providing a relatively long creepage path between the adjacent outer turn layers of said coils, said wrapping substantially covering said ring portion and the outer surface of said one of said coils and fitting snugly against the coil surface facing the second of said coils.

2,344,335

HYDRAULIC TRANSMISSION

Gunnar A. Wahlmark, Rockford, Ill.

Application September 12, 1939, Serial No. 294,470
18 Claims. (Cl. 60—53)



9. The combination of a variable speed motor, means for adjusting the speed thereof comprising a speed control element movable to any one of a plurality of positions, means for determining said positions comprising adjustable devices associated with said control element and effective selectively to determine the position of the control element and an adjustable dashpot device operable to delay the shifting of said control element from one position to another in the lower range of motor speeds, said dashpot having a bypass port rendering the dashpot ineffective in the higher range of motor speeds.

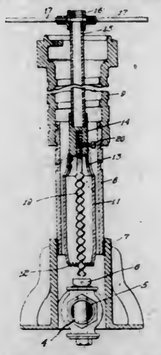
2,344,336

EXCAVATING TOOL

Henry K. Weinstein, Pittsburgh, Pa.

Application September 24, 1942, Serial No. 459,486
2 Claims. (Cl. 255—67)

1. An excavating tool for cleaning curb boxes and the like, comprising a tubular cutter having a cutting edge on its lower end, a stem connected to the upper end of the cutter for rotating the same, an auger bit disposed within the cutter and having connection with said stem, a scraper



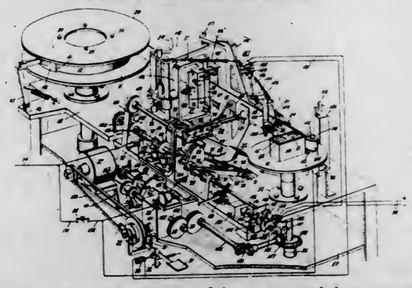
disposed within the cutter and extending longitudinally thereof, and means for moving the scraper to dislodge dirt from the inner wall of the cutter.

2,344,337

CORE WINDING MACHINE

Theodore L. Winestock, Lenox, Mass., assignor to General Electric Company, a corporation of New York

Application May 20, 1941, Serial No. 394,333
13 Claims. (Cl. 242—4)



1. A coil winding machine comprising a rotatively driven turntable, a mandrel removably secured thereto, a supply roll for feeding strip material to the mandrel as it is rotated, mechanism for intermittently placing spacers against the inner surface of the strip material before it reaches the mandrel and an electromagnet having pole pieces in proximity to the strip material for magnetizing it and holding the spacers against the inner surface of the strip material until the spacers are wound into the coil of strip around the mandrel.

2,344,338

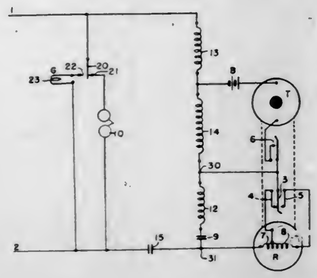
SUBSTATION CIRCUIT

Albert E. Woodruff, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Application August 5, 1942, Serial No. 453,618
8 Claims. (Cl. 179—81)

1. In a substation circuit, a line, a transformer having three windings, a receiving circuit including a volume control receiver switch and receiver connected in series with a first and a second winding of said transformer and the conductors of said line, a third winding of said transformer and a condenser in serial relation connected in shunt of said receiver for forming

an anti-side tone circuit; a transmitter and a local battery in series connected in shunt of said second winding of said transformer, a winding in said receiver and means including said



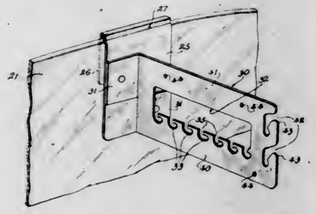
volume control receiver switch for including all the turns of said receiver winding or only a portion of the turns of said receiver winding in said receiving circuit.

2,344,339

AUTOMOBILE WINDOW SUPPORTED HAT-RACK AND COAT HANGER DEVICE

Nicholas Zwald, Philadelphia, Pa.

Application February 28, 1940, Serial No. 321,341
2 Claims. (Cl. 211—86)



1. A rack device for the uses described comprising a base having a substantially U-shaped part constructed to receive the edge of a window light therein and having an upper part constructed and adapted to engage in the top groove of a window framing, and a single arm extending normally therefrom presenting a free outer end, said arm being a substantially planiform member stamped from sheet metal having a longitudinally extended slot, the lower edge of said slot having a plurality of hook-retaining slots therein, for reception of garment supporting elements.

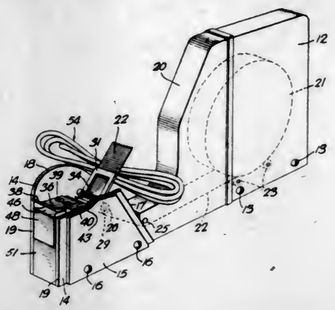
2,344,340

APPARATUS FOR APPLYING TAPE UPON ARTICLES

Robert T. Adams, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 29, 1942, Serial No. 445,094
20 Claims. (Cl. 216—33)

1. Apparatus for applying a heat-sealing tape upon articles, which comprises means for supplying such a tape, means for guiding the tape from the supplying means to a position where it may readily be applied to an article, a combined tape tearing arm and detent adjacent to the tape applying position, and a heated member adjacent to the tearing arm against which member the tape may be pressed to seal it, said tape tearing arm being adapted to be engaged by the tape to tear the tape and being movable during the tear-



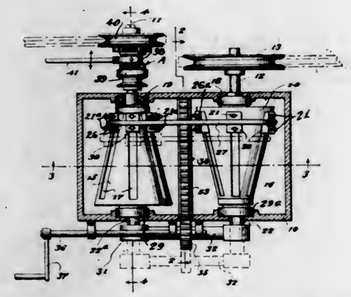
ing operation to cause the detent to prevent movement of the tape through the guide means during that operation.

2,344,341

SPEED CHANGING DEVICE

Joseph C. Coen, Pomona, Calif., assignor of one-third to Victor Gutzwiller and one-third to Cecil Jane Coen, both of San Bernardino, and one-third to Ethel B. Williams and Kenneth R. Williams, both of Pomona, Calif.

Application November 18, 1941, Serial No. 419,630
2 Claims. (Cl. 74—230.21)



1. A speed changing device of the class described comprising a support, a pair of parallel cone-like guides carried by the support, a driving shaft connected to one guide, a driven shaft connected to the other guide, a yoke shaft slidably mounted through each guide, a shifting yoke connected to each yoke shaft, each yoke shaft being mounted for rotatable movement in engagement with the yoke, each cone-like guide having a plurality of longitudinally extending and converging slots, pulley blocks anchored upon the yoke shafts and movable longitudinally of the slots, a flexible driving element passing around the pulley blocks of one guide and also passing around the pulley blocks of the adjoining guide for transmitting power from one guide to the adjoining guide, the blocks being shiftable as to position upon the guides to vary the speed of the driven shaft with respect to the speed of the driving shaft, each pulley block comprising a slidable element, anchoring pins secured to the yoke shafts and slidable through the pulley blocks, and spring means engaging the blocks for yieldably holding the pulley blocks in slidable engagement with the guides.

2,344,342

FILTER FOR CIGAR- AND CIGARETTE-HOLDERS

Alberto de Bary, Buenos Aires, Argentina

Application July 11, 1941, Serial No. 401,904
1 Claim. (Cl. 131—187)



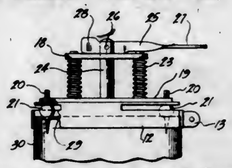
A cigar or cigarette holder comprising an elongated hollow body having an opening at each of its opposite ends, the hollow body comprising readily separable sections, a filter within the hollow body consisting of a shell neatly fitting the entire inner wall surface of the hollow body, and a filtering material disposed in an intermediate portion of the shell, said shell having openings at its opposite ends alining with the openings in the hollow body, said hollow body at one end being adapted to receive an end of a cigar or cigarette, the shell terminating at one end adjacent the last-mentioned opening in the body to substantially completely house the inserted end of the cigar or cigarette and having its end edge in engagement with and retained by a shoulder portion of said hollow body, the hollow body being tapered at its opposite end to form a mouth piece, the shell likewise being tapered adjacent the mouth piece and neatly filling said tapered mouth piece.

2,344,343

SANITARY COVER FOR CANS

Stephen N. Donner, Detroit, Mich., assignor of one-half to Joseph Cosgriff, Detroit, Mich.

Application July 10, 1943, Serial No. 494,441
2 Claims. (Cl. 220—51)



1. Cover for cans of the kind described comprising a circular plate having two diametrically opposed apertures at its rim, a circular flange depending therefrom to grip the top of the can on which the cover is seated, a movable horizontal bar, having at each end on its under-side a ball with a spike projecting from it downwardly and over the respective aperture in the plate, an upright column on said bar and having a perpendicular slot in its upper end, a stationary yoke above and parallel to the movable bar, being supported at each end by a post mounted on the plate and having a centrally located passage for the upright column, a coiled spring around each post to keep the bar and the yoke in a yieldingly spaced relation to each other, a two-armed lever fulcrumed in the slot of the column, one arm of said lever slidingly bearing against the upper surface of the stationary yoke to bring the movable bar with its spikes into or out of engagement with the top of the can.

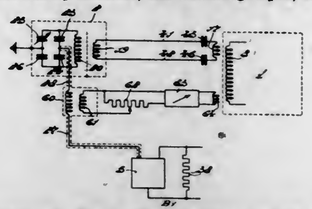
2,344,344

DEVICE FOR OSCILLOGRAPHING ELECTRICAL OR MECHANICAL PROCESSES

Cornelis Dorsman, Maximilien Felix Reynst, and Romijn Veldhuizen, Eindhoven, Netherlands; vested in the Alien Property Custodian

Application February 26, 1941, Serial No. 380,744
In the Netherlands January 13, 1940
3 Claims. (Cl. 171—95)

1. A device for oscillographing variable quantities occurring at a measuring point, comprising means for generating a high-frequency current, an A. C. bridge arrangement comprising a plurality of impedances, one of said impedances being variable in accordance with said quantities, means to connect one diagonal of said bridge to said generating means, an oscillograph, a conduc-



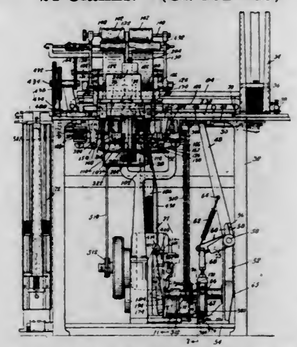
tor connecting said oscillograph to the other diagonal of said bridge, and means to compensate for unbalances of the impedances of said bridge, said latter means comprising a source of voltage having the same frequency as said high-frequency current, means to modify the phase and amplitude of said voltage and means to introduce the modified voltage into said conductor.

2,344,345

ADDRESSING MACHINE

Harmon P. Elliott, Watertown, Mass.

Application July 2, 1941, Serial No. 400,769
24 Claims. (Cl. 101—48)



20. In an addressing machine, two printing mechanisms operative separately and in continuous succession, means for advancing a succession of printing devices into and out of the action of said printing mechanisms only after printing operations by both mechanisms, and means for advancing a succession of sheets in partially overlapping relation into the action of said printing mechanisms and thence out of said printing mechanisms, each sheet receiving a printing impression from the same printing device by each of the printing mechanisms.

2,344,346

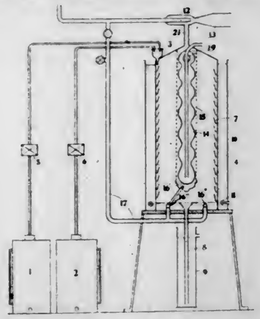
PREPARATION OF CHLORINE DIOXIDE

Cyril Harry Evans, Woodford Green, England

Application February 1, 1939, Serial No. 254,117
In Great Britain February 1, 1938
12 Claims. (Cl. 23—152)

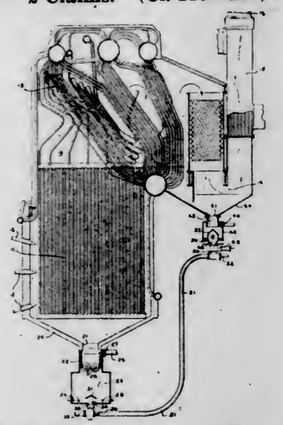
1. A method of producing chlorine dioxide, consisting in contacting a solution of a chlorate with an acid reactant and constraining the reaction mixture so formed to flow in an open stream without further addition of any reagent whereby throughout the reaction for the production of chlorine dioxide the reaction mixture at any position in the stream is prevented from con-

tact and admixture with the reaction mixture at any other position in the stream at which the reaction is at a different stage, and removing



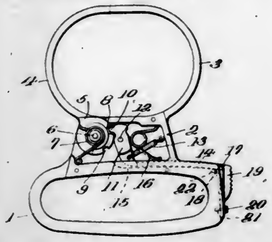
the gaseous reaction products from contact with all parts of the reaction mixture as they are liberated.

2,344,347
MATERIAL HANDLING APPARATUS
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1942, Serial No. 439,021
2 Claims. (Cl. 110—171)



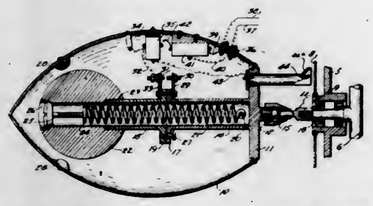
1. In a refuse disposal system for a pulverized-fuel-fired furnace and boiler installation; a separator for fly ash disposed in the flow path of gases from the boiler, a hopper beneath the separator adapted to receive fly ash removed from the gases by the separator, a tank below the hopper, means for supplying water to said tank, means for maintaining a predetermined level of water therein, means providing an airtight passageway for gravitational discharge of fly ash from the hopper to the body of water within the tank, a main refuse discharge conduit, first valve-controlled means providing for periodic discharge of mixed water and fly ash from the tank to the main discharge conduit, a slag pit having an inlet opening in its top in airtight communication with a slag discharge opening in the bottom of the furnace, means for supplying water to the slag pit, means for normally maintaining a predetermined level of water in the slag pit, and second valve controlled means providing for periodic discharge of mixed water and slag from the pit to the main discharge conduit.

2,344,348
HANDCUFF
Frida Victoria Forsell, Stockholm, Sweden
Application May 24, 1943, Serial No. 488,220
In Sweden April 15, 1942
3 Claims. (Cl. 70—17)



1. In a handcuff, a handle, a movable claw mounted on said handle and capable of being moved to opened and closed position, means for locking said claw in either of said positions, a spring adapted to actuate the claw for moving the same to closed position, and a trigger mounted on the handle and adapted to actuate the locking means, said trigger being mounted for movement first in one direction and then in a direction at about right angles to the first-mentioned direction.

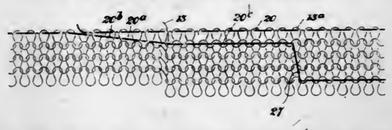
2,344,349
WHEEL BALANCING MACHINE
Earl N. Forster, Arcata, Calif.
Application November 6, 1942, Serial No. 464,797
3 Claims. (Cl. 73—53)



1. In a wheel balancing machine, a disk having indicia on its face mounted to rotate with the hub of a wheel to be balanced, an extension shaft on a member on which the wheel is mounted to rotate, a housing having a coupling into which the shaft extends, a high tension electric lamp mounted at the end of the housing in position to reflect light on the face of the disk, a sectional tube extending inwardly from the end of the housing having the said coupling, one section of the tube being stationary with the housing and the other section being movable with relation to the stationary section, a spring in the tube, one end of which is anchored to the stationary section of the tube, the said spring extending past the joint between the sections, a weight on the end of the movable section, said weight having a hole extending through the weight and communicating with the interior of the sectional tube, a screw rotatable in the said hole, a member threaded on the screw to which the spring is connected whereby rotation of the screw determines the tension of the spring, an electric switch member carried by one of the tubular sections, an electric switch member operating in conjunction with the first mentioned switch member mounted on the other section of the tube, whereby movement of one section of the tube establishes or breaks

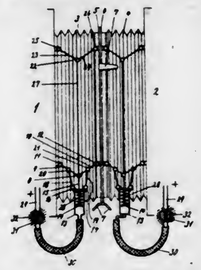
a circuit, a source of electricity, and means for supplying current from the said source through the said switch to the said lamp, whereby the indicia on the disk is illuminated at the location of the defective balance of the wheel.

2,344,350
HOSIERY
James Louis Getaz, Maryville, Tenn.
Application April 14, 1938, Serial No. 201,861
8 Claims. (Cl. 66—172)



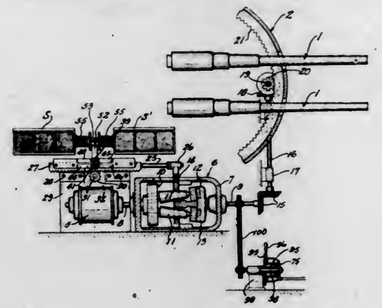
1. A selvage or anti-ravel edge for the top of a seamless circular plain knit article of hosiery which consists of a seamless circular knit body yarn course and an elastic yarn extending through all of the loops of said body yarn course, and being under sufficient tension to draw the said loops into close relation with each other around said elastic yarn, and materially reduce the diameter of the edge in the undistended condition, the frictional engagement of said closely associated loops with said elastic thread holding the latter against loss of tension when the edge is distended, said elastic thread under tension extending through subsequent courses of the fabric and being united to the fabric at spaced points in said courses and floated between said points on the inner face of the fabric.

2,344,351
GANGWAY CONNECTION BETWEEN TWO VEHICLES COUPLED TO EACH OTHER, PARTICULARLY FLEXIBLE GANGWAY BELLOWS FOR RAILWAY CARRIAGES
Herbert Goy, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian
Application June 3, 1940, Serial No. 338,670
In Germany May 25, 1937
8 Claims. (Cl. 105—11)



1. Means for operating a bellows-type gangway connection between adjacent railway cars, said gangway connection including a pair of bellows each having upper and lower toggle connections connected between them and the related car, a rod operatively connecting the upper and lower toggle connections for assuring their similar and simultaneous operation, a link connected to the lower toggle connection, and manually controlled pressure means for operating said link, said pressure means comprising a cylinder suspended from the lower toggle connection, a piston working in the cylinder and operatively connected to said link, and manual means for admitting pressure into the cylinder.

2,344,352
REVERSIBLE POWER DRIVE
Louis A. Graham, Milwaukee, Wis., assignor to Graham Transmissions, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 4, 1942, Serial No. 441,683
7 Claims. (Cl. 74—388)

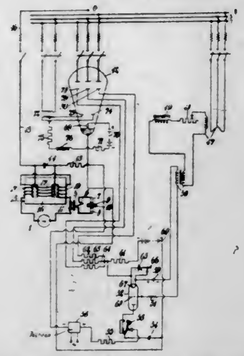


1. The combination with a member to be trained mounted upon a reversely movable support, of a continuously running motor, a variable speed planetary transmission having input and output shafts, a rotary carrier actuated by the output shaft, an inclined planetary roller supported on the carrier for rotation therewith and with respect thereto, an internal ring gear connected to the output shaft, a planet pinion fixed to the roller and meshing with said internal end gear, said input shaft being connected to and driven by the motor, gearing between the output shaft and said support, a control ring adjustable axially of said roller to regulate its motion, a rack bar connected to the control ring, a pinion meshing with the rack bar, a pilot motor for reversely operating said pinion, a circuit for the pilot motor including a reversing switch having contacts mounted on the rack bar, movable contacts cooperable with said rack bar contacts, an arm carrying said movable contacts, a pair of solenoids having a common plunger, said arm being carried by the plunger, springs normally biasing said arm to a position wherein said reversing switch is open, a circuit for the windings of the solenoids, and a positioning rheostat incorporated in said circuit and including an adjustably supported resistance element for each solenoid winding and also a rheostat arm with which the resistance elements are selectively engageable, said arm being synchronized in its action with the output shaft.

2,344,353
CONTROL SYSTEM FOR RESISTANCE WELDING
Gerhard Hagedorn, Berlin-Halensee, Germany; vested in the Alien Property Custodian
Application June 22, 1938, Serial No. 215,248
In Germany June 30, 1937
1 Claim. (Cl. 250—27)

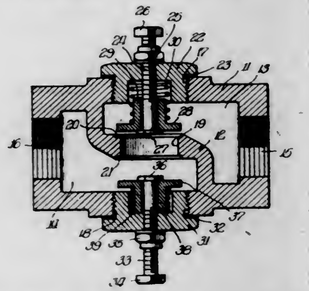
In a control system for resistance welding wherein the welding electrodes are supplied with alternating current through a reactance coil adapted to be influenced by direct current, a source of alternating current of a given frequency, a rectifier tube having a cathode, a plate-cathode circuit for said tube controlling the passage of rectified current from said alternating current source through the reactance coil, a grid for said tube, a direct current source permanently biasing said grid negatively with respect to said cathode, an auxiliary tube rendered conductive in

synchronism with the frequency of said alternating current source, a condenser, a second source of direct current, a manually operable switch normally connecting the condenser to the second direct current source to charge the condenser, a circuit connected to said switch and said auxiliary



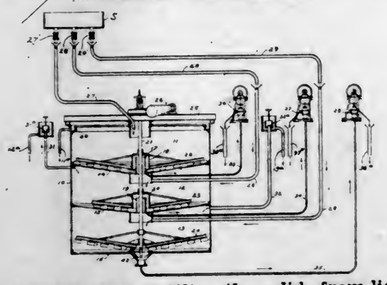
tube adapted to be closed upon manual operation of said switch so that the condenser may discharge through the auxiliary tube in synchronism with the frequency of said alternating current source, and means for biasing said grid positively upon discharge through the auxiliary tube.

2,344,354
VALVE CONSTRUCTION
Harold Hallerstrom, Evanston, and Charles Letsche, Chicago, Ill., assignors to Hanna Engineering Works, Chicago, Ill., a corporation of Illinois
Application January 16, 1942, Serial No. 426,972
2 Claims. (Cl. 277—71)



1. A two-way check valve construction including a substantially tubular valve body having an opening in each end thereof, a partition wall dividing the interior of the valve body into two chambers communicating with the end openings respectively, said partition wall having a valve opening therein, a valve member in each chamber disposed adjacent its respective side of the valve opening, each valve member including a disc portion for closing the valve opening and a rearwardly extending sleeve, control means for each member extending through the sleeve and disc portion thereof and having a stop to retain the valve member on the control means, means adjustably mounting each control means in the wall of the valve body, and a resilient spring encircling the sleeve of each valve member and being confined between the valve member and the valve body for yieldingly maintaining the member against its particular stop, whereby upon adjustment of each control means its particular valve member may be positioned a predetermined distance from the valve opening against the tension of said resilient means.

2,344,355
SEDIMENTATION APPARATUS
Viggo Harms, The Hague, Netherlands; vested in the Alien Property Custodian
Application December 3, 1938, Serial No. 243,687
2 Claims. (Cl. 210—55)



1. Apparatus for settling the solids from liquids having solids in suspension, which comprises a tank structure divided by a partition into a lower compartment and an upper settling compartment vertically disposed immediately above the lower compartment, each compartment adapted to have established therein a sludge bed of settled solids, said partition having a central opening, an upcast boot surrounding said opening and rising from said partition, a hood encircling the boot and constituting therewith hydraulic communication means between the upper and the lower compartment, which communication means is adapted to have trapped therein a substantially stationary column of sludge comprising settled solids, rotary sediment raking mechanism comprising a vertical rotary shaft extending through said boot and said hood and having arms adapted to impel settled solids over said partition to discharge, individually operable means for continuously feeding separately to each compartment liquid having solids in suspension, means for withdrawing settled solids material from the bottom of the upper compartment to a point of discharge from the tank outside the apparatus at a rate low enough to maintain a trapped body of settled solids in said communication means, means for overflowing supernatant liquid separately from each compartment and for discharging said liquid from the apparatus, and means for adjusting the overflow levels with respect to each other and in a manner to control the effective height of the trapped sludge column, said compartments thus being operable in parallel.

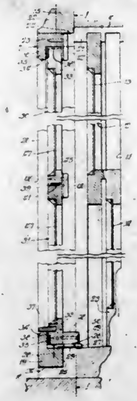
2,344,356
CHEMICAL COMPOUNDS β-(META-HYDROXYPHENOL)-ISOPROPYLAMINES
Gustav Hildebrandt, Mannheim, Germany, assignor to E. Bilhuber Inc., Jersey City, N. J.
No Drawing. Application December 27, 1937, Serial No. 181,988. In Germany January 2, 1937
3 Claims. (Cl. 260—570.8)

1. The chemical compounds β-(meta-hydroxyphenyl)-isopropylamines of the formula

$$HO-C_6H_4-CH_2-\underset{\displaystyle HN.R}{\underset{|}{CH}}-CH_3$$

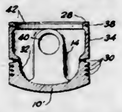
wherein R is a lower alkyl radical.

2,344,357
AUXILIARY WINDOW CONSTRUCTION
Chester G. Kilkis, Chicago, Ill.
Application December 1, 1941, Serial No. 421,136
2 Claims. (Cl. 160—128)



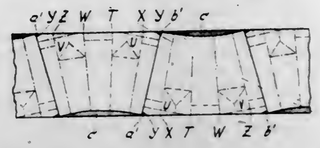
1. In a window construction of the class described embodying an auxiliary frame surrounding a window exterior and a plurality of removable interchangeable window inserts for said frame one being a summer insert carrying screen and another a winter insert carrying glass, that improvement therein wherein the frame has a combined ventilation and drainage slot provided in its extreme lower exterior edge and communicating with an opening in the interior of the frame offset from the inserts, a foraminous closure for said opening fixed in said frame, and a pivoted flap closure for said opening adapted to selectively cover or uncover said opening while permitting ready interchangeability of the inserts.

2,344,358
METHOD OF MAKING FORGED PISTONS
Alexander H. King, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 13, 1940, Serial No. 318,721
6 Claims. (Cl. 29—156.5)



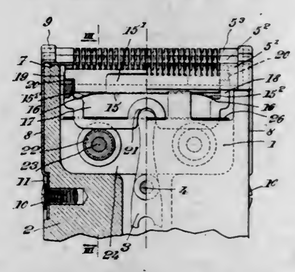
1. The method of manufacturing a blank for an engine piston which comprises, forging a billet to a cup-shaped blank having a closed end, a flared annular portion, and integral wrist pin bosses on the interior of said annular portion extending to near the open end thereof, said annular portion including skirt portions between said bosses, portions over the ends of said bosses thicker than said skirt portions and external radial extensions at the open end thereof between said thickened portions over the ends of said bosses, said blank having in general an elliptical contour at its open end, and reforging said blank to reduce the flare of said annular portion, change the elliptical contour of said open end to a substantially circular contour and move said external radial extensions into substantial circumferential alignment with the thickened portions of said annular portion over said bosses without materially disturbing the material of said thickened portions, to provide a blank having an open end portion thicker than said skirt portion the parts of which between said bosses are constituted by flange portions having a return bend and the parts of which over said bosses are constituted by said thickened portions without a return bend.

2,344,359
PAPER CONTAINER BLANK
Harry Lehmann, Dusseldorf, Germany; vested in the Alien Property Custodian
Application March 7, 1939, Serial No. 260,391
In Germany March 7, 1938
3 Claims. (Cl. 229—37)



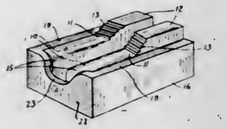
1. A one-piece blank adapted to be folded to form the body of a container having a bellows-like closure at the top and downwardly converging sidewalls, said blank having four spaced converging fold lines defining a tapered mid panel and two adjacent tapered side panels on each side thereof, said panels increasing in length from the mid panel to the side panels and the panels converging toward the bottom forming end of the blank, the blank on the closure forming end terminating in a straight line, said blank when folded to form the body of the container having its side edges brought together to form a seam medially of one side.

2,344,360
SHAVING APPARATUS
Salustiano Loinaz, Biarritz, France; vested in the Alien Property Custodian
Application March 11, 1939, Serial No. 261,386
In France December 16, 1938
18 Claims. (Cl. 30—43)



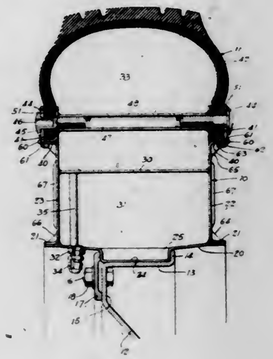
15. A shaving apparatus of the type described which comprises, in combination, a handle, an outer comb, carried by said handle in fixed position and constituted by at least two parallel and adjacent series of transverse cutting teeth, said series being staggered along the whole width of said outer comb and so closely juxtaposed that the teeth of one series begin immediately where the teeth of an adjacent series end, inner combs adapted to cooperate respectively with said series of cutting teeth and to reciprocate in contact therewith in a direction perpendicular to that of said teeth, driving means for said inner combs, located in said handle and transmission means adapted to be actuated by said driving means for operating said inner combs.

2,344,361
BIT FORMER
Harold Edward McKeen, Sheep Creek, British Columbia, Canada
Application March 24, 1942, Serial No. 436,055
3 Claims. (Cl. 76—95)



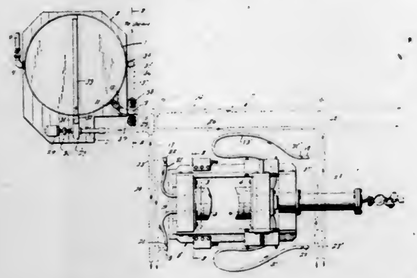
1. In a bit former die the combination of a holding frame having spaced parallel slots in its bottom wall at one end, a pair of former blocks adapted to fit in said frame having raised portions on their upper and lower faces at opposite ends, the raised portions on the lower faces being adapted to seat in the slots in the bottom of said frame whereby the former blocks are held in spaced parallel relation, said raised portions having a series of steps at their inner ends to receive the working edge of the bit when placed on the upper faces of the former blocks.

2,344,362
PNEUMATIC TIRE VEHICLE WHEEL
Frank J. McNulty, Los Angeles, Calif., assignor of forty per cent to Marguerite Talbot, Macon, Mo.
Application December 17, 1942, Serial No. 469,313
1 Claim. (Cl. 152—398)



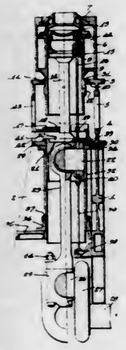
A vehicle wheel comprising: a body having a rim portion adapted to be mounted on a hub member, and spaced side walls projecting from the rim portion; the body having rigid spacers spanning said side walls at circumferentially spaced intervals; a tire casing having bead portions; locking rings; threaded fastening members extending through said locking rings and bead portions and screwed into said spacers to clamp the bead portions to the body and define a chamber adapted to receive air under pressure to directly inflate the casing; said side walls having laterally outward projecting flanges provided with recesses; said locking rings having lugs provided with neck portions entering said recesses, and hooks projecting from the neck portions in hooked engagement with said flanges; and valve means through which air is supplied to said chamber.

2,344,363
METHOD AND APPARATUS FOR COOLING METAL MOLDS
Henry E. McWane, Lynchburg, Va.
Application January 3, 1942, Serial No. 425,569
6 Claims. (Cl. 22—177)



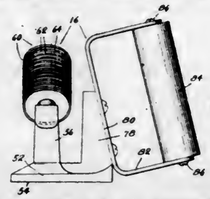
1. A method of cooling water jacketed metal molds comprising introducing a cooling liquid from an open reservoir thereof into the water jacket wherein the hydrostatic head of the liquid in the jacket is equal substantially to the hydrostatic head of liquid in the reservoir, and withdrawing liquid from the jacket by suction to reduce the pressure in the jacket to a pressure below atmospheric.

2,344,364
INTERNAL COMBUSTION ENGINE WITH CROSSHEAD
Ove Petersen, Gentofte, near Copenhagen, and Mads Lindberg-Nielsen, Copenhagen, Denmark; vested in the Alien Property Custodian
Application January 29, 1942, Serial No. 428,778
In Denmark May 31, 1941
4 Claims. (Cl. 123—197)



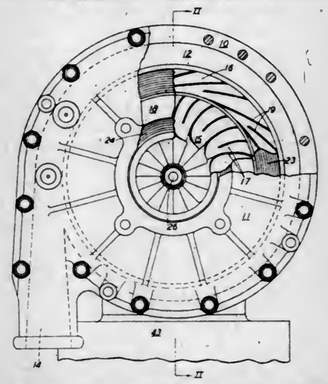
3. In an internal combustion engine, a rigid frame structure including a girder having an opening therein, an engine cylinder supported on said girder in line with said opening, a piston in said cylinder, a crosshead connected with said piston, a cylinder guide for said crosshead fixed at one end to one part of said frame structure and slidably engaged at its other end with another part of said frame structure, said engine cylinder and guide being located at opposite sides of said opening and said opening having a diameter sufficient to enable the crosshead to be removed therethrough and a removable closure for said opening.

2,344,365
BOWLING PIN RECONDITIONING APPARATUS
Harold F. Phillips, Belmont, Mass.
Application October 31, 1941, Serial No. 417,319
8 Claims. (Cl. 142—56)



1. A hand turning tool comprising a frame having a flat horizontally extended supporting base permitting the frame to have free sliding movement on its base in all horizontal directions on a flat surface adjacent a rotating work piece, said frame having a shaft projected upwardly at an angle of approximately 45° with respect to said supporting base, and a cutting member freely rotatable on said shaft and having cutting peripheries, said frame having a vertical handle which projects upwardly in a vertical plane which is at an angle of approximately 90° with respect to a vertical plane including said shaft.

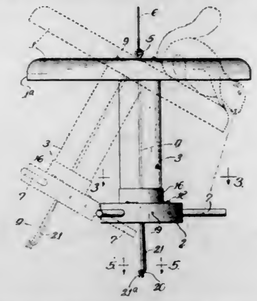
2,344,366
COUNTERROTATING SUPERCHARGER
Nathan C. Price, Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application March 21, 1941, Serial No. 384,539
10 Claims. (Cl. 230—131)



3. In a centrifugal fluid compressor, the combination comprising a rotatable impeller having forwardly inclined vanes with leading discharge edges and an adjacent coaxially positioned counter-rotatable diffuser rotor having rearwardly inclined vanes to receive fluid discharged from said impeller, and means to impart counter-rotation between said impeller and diffuser rotor.

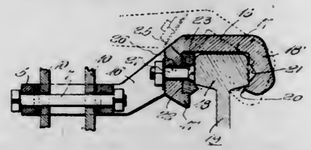
2,344,367
BIRD FEEDER
Paul Pueschel, Glencoe, Ill.
Application November 2, 1942, Serial No. 464,203
15 Claims. (Cl. 119—52)

1. A bird feeder comprising a cover member, a rod member having a swing connection at one end thereof, means for directly fastening said cover centrally to said rod member in close proximity to said swing connection, a feed trough mounted upon said rod member for slide movement therealong beneath said cover, releasable means for holding said trough in a predetermined position along said rod member, and a feed receptacle mounted upon said rod member



and normally confined in closed condition by and between said cover and trough, said rod being of a length extending below said trough and said releasable means being adapted to be released to permit said trough to be slid from its said predetermined position downwardly along said rod.

2,344,368
RAIL CLAMP
David Rich, Rice Lake, Wis.
Application March 30, 1942, Serial No. 436,873
2 Claims. (Cl. 254—43)

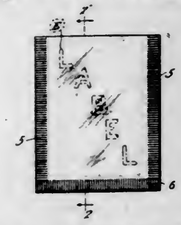


1. A rail clamp comprising an arm having inner and outer jaws for engaging opposite sides of a rail head, the lower edge of the outer jaw having an inwardly projecting lip for engaging the underside of the rail head, a removable shim block secured in a recess formed in the inner jaw having a projecting lip at its lower edge adapted to engage the underside of the rail head, the lip of the outer jaw and the lip of the shim block being normally spaced a distance less than the width of the rail head, said outer jaw having a V-notch above the lip to receive the lower edge of the rail head when applying the clamp to the rail head.

2,344,369
PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application February 14, 1942, Serial No. 430,893
10 Claims. (Cl. 229—53)

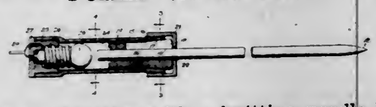
1. A bag comprising spaced opposed walls of packaging material sealed together in certain zones to form a commodity receiving compartment between them and an open mouth for said compartment between the edges of juxtaposed marginal portions of said walls, at least one of said walls including a sheet of packaging material folded upon itself to form two juxtaposed approximately co-extensive layers with the fold

connecting said layers forming a relatively thick lip at the edge of the corresponding said mar-



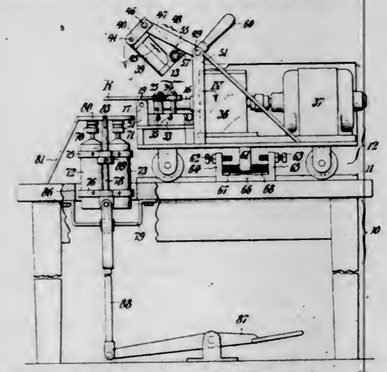
ginal portion at said mouth, said layers being sealed together and to the other wall in said zones.

2,344,370
ILLUMINATED KNITTING NEEDLE
Samuel Shapiro, Brooklyn, N. Y.
Application March 27, 1942, Serial No. 436,474
1 Claim. (Cl. 240—6.46)



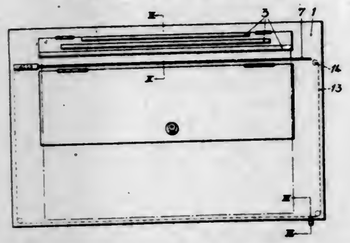
The combination with a knitting needle having a tip end and a blunt end made of plastic having the characteristic of transmitting light therethrough, of a lighting means positioned adjacent the blunt end of said needle, said lighting means including a housing, an adjustable chuck engaging the blunt end of said needle, a light in said housing, a battery source, a flexible wire running from said housing to the battery source, and means for positioning said battery source on the arm of the knitter or adjacent said knitter.

2,344,371
RING GRINDING MACHINE
Ralph M. Shaw, Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 8, 1943, Serial No. 493,822
10 Claims. (Cl. 51—88)



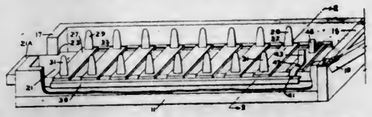
1. In a machine for grinding piston rings and the like, means for supporting a ring with an arcuate portion thereof in the clear and for rotating it about its axis while so supported; a pair of grinding wheels spaced by a distance somewhat greater than the thickness of the ring and between which the free arcuate portion of the ring is passed as the latter rotates; and means for laterally moving the ring-supporting means and the two grinding wheels alternately in opposite directions relative to each other to cause contact between the outer and inner peripheral surfaces of the ring and the respective grinding wheels.

2,344,372
MEANS FOR EASILY DELIVERING PAPER, SUCH AS WRAPPING PAPER
Anton Johan Sikström, Stockholm, Sweden, assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden
Application October 22, 1940, Serial No. 362,206
In Sweden October 17, 1939
1 Claim. (Cl. 242—55.4)



In a wrapping paper dispensing device, the combination of a work table having a flat top provided with a plurality of slots for the passage of paper and a groove running parallel to said slots, rollers for rolls of paper rotatably supported beneath said table, the paper unwinding from said rolls passing through said slots, respectively, over said groove and upon the table top, cutting means guided in and traversing said groove, said cutting means including a knife disposed partly above said table top to sever the paper drawn thereover, a cable running through said groove and along the sides and front of said table top in a substantially horizontal plane below the upper surface of said table top, said cable having its ends attached to said cutting means, and a handle attached to the portion of the cable running along the front of the table top for operating the cable to draw the knife through the groove.

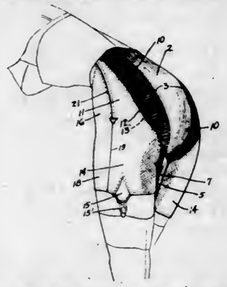
2,344,373
ELECTRIC COOKER
Clyde E. Stainbrook, Memphis, Tenn.
Application February 12, 1942, Serial No. 430,582
3 Claims. (Cl. 219—19)



1. A cooking device, comprising a housing and a self-contained cooking assembly removably disposed therein, said assembly including a base member of insulating material having at one end a handle portion of reduced width, said base member carrying a plurality of electrically energizable units, a pair of plug fingers, and circuit leads from said finger to said units; said housing including an open top box adapted to receive and house said assembly, one end of said box being cut away to allow said handle portion to extend thereoutside, means within said box adapted to longitudinally center said assembly and particularly said plug fingers, and a cover, hingedly secured to said box oppositely to said cut-away end,

cooperating with said box to complete an enclosure for said assembly, socket means, complementary to said plug fingers, carried by said cover adjacent said hinged end, and circuit leads connected to said socket means, said socket means being alined by said cover with said plug fingers and movable with said cover into circuit completing contact therewith, to complete circuits to said units on closure of said cover, said cover being openable to completely deenergize said units and to permit access to said units, and to allow removal and replacement of said base member and parts carried thereby.

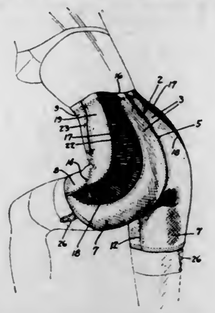
2,344,374
LADY'S UNDERGARMENT
Zoma A. Stephens, Minneapolis, Minn., assignor to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application March 29, 1943, Serial No. 480,962
5 Claims. (Cl. 2—43)



5. A pantie-girdle comprising a body provided with a rear central panel of one-way stretch material, stretchable in a vertical direction only, said rear panel extending from the waistline to the crotch and having its opposed side edges curving inwardly from the upper portion of the panel to the crotch, a crotch piece secured to the lower end of said rear panel, a front panel extending downwardly from the waistline and having its lower end secured to the front of the crotch piece, said crotch piece comprising leg-forming portions, a pair of narrow, elongated, curved sections composed of two-way stretch elastic fabric, said narrow, elongated, two-way stretch sections having their inner concave edges secured to the outwardly curved edges of the rear panel and extending from the waistline to the crotch and having their lower terminals secured to the crotch piece, said narrow, two-way stretch sections substantially uniform in width from the waistline to the crotch, rear side sections stitched to the outer curved edges of said elongated, two-way stretch sections and having leg-forming portions secured to the crotch piece, and front side sections secured to the front panel and to the rear side sections along the sides of the garment, said front sections having leg-forming portions secured to the crotch piece and said rear side sections to complete the formation of the leg portions of the body of the garment.

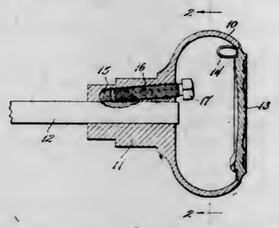
2,344,375
LADY'S UNDERGARMENT
Zoma A. Stephens, Minneapolis, Minn., assignor to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application March 29, 1943, Serial No. 480,963
4 Claims. (Cl. 2—43)

1. A garment of the class described comprising a body provided at its rear with a central panel of one-way stretch material, stretchable in a vertical direction and having concave side edges extending downwardly from the waistline from a point near the central portion of the garment and curving outwardly and terminating at the sides of the garment, a narrow, elongated, curved two-way stretch elastic fabric section disposed at each side of said rear panel and each having a rear convex edge and a forwardly directed con-



cave edge, suitable stitching securing the convex edges of said curved two-way stretch sections to the concave side edges of the rear panel, and side sections having convex edges secured to the concave edges of said curved two-way stretch sections, said curved sections overlying the buttocks of the wearer and permitting ample stretch in the rear of the garment in all directions to allow for expansion of the wearer's body, when in a stooping or sitting position.

2,344,376
DOORKNOB
Nathaniel B. Stone, Washington, D. C.
Application November 13, 1941, Serial No. 418,965
3 Claims. (Cl. 292—350)

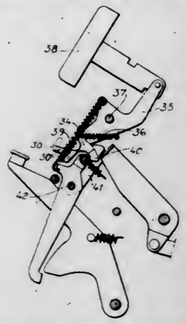


1. In combination with a hollow door knob of the character described, a removable cover plate in the shell of the knob; a set screw opening in the shank of the knob extending at a small acute angle to the longitudinal axis of the spindle opening; and a set screw in the opening having end threads adapted to engage and bite into the outside, plain surface of a spindle when the knob is adjusted thereon and the screw is tightened.

2,344,377
KEY LOCK AND INTERLOCK FOR CASH REGISTERS
Karl Matts Vigborg, Stockholm, Sweden, assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden
Application April 11, 1941, Serial No. 388,130
In Sweden March 19, 1940
3 Claims. (Cl. 235—130)

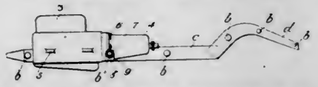
2. In a calculating machine having a series of special keys, and a start key for unlocking the

normally locked main driving shaft of the machine, the combination of a lever capable of being shifted from a normal driving shaft locking position to a driving shaft release position, a member displaced from a normal position upon depression of the start key, an element pivoted to said member and being resiliently held in a position in which one portion thereof, upon displacement of said member, cooperates with a portion of said lever to shift the same to said shaft release position, a movable stop capable of assuming alternatively a first position in which



it projects into the path traversed by a second portion of said pivoted element upon displacement of said member, so as to cause a rocking of said element whereby it does not act upon said lever, and a second position in which it does not interfere with the normal drive shaft releasing cooperation between said pivoted element and said lever, means to shift said stop from said first to said second position when any key in said series is depressed, and means to restore said stop to its first position at the end of each working stroke of the machine.

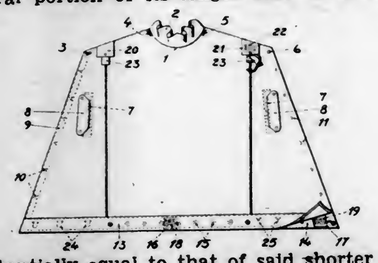
2,344,378
CHASSIS, ESPECIALLY FOR MOTOR VEHICLES
Max Wagner, Stuttgart, Germany; vested in the Alien Property Custodian
Application March 22, 1939, Serial No. 263,333
In Germany April 22, 1938
24 Claims. (Cl. 280—106)



1. A chassis for motor vehicles with tubular longitudinal members, comprising longitudinal members composed on the one hand of at least one practically straight section with tubular cross-section and on the other hand of a strongly bent section to form a closed cross-section, the end of the tubular section of the longitudinal member being introduced into the upwardly bent built-up section at an angle and welded thereto.

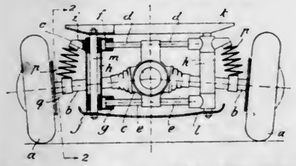
2,344,379
ARTICLE INTENDED FOR SPORT
Ernst Harald Wallin, Arvika, Sweden, assignor to Cajs-Marie Nygren, Stocksberg, Stocksund, Sweden
Application January 13, 1942, Serial No. 426,581
In Sweden February 25, 1941
5 Claims. (Cl. 2—89)

1. A rain cape comprising a piece of flexible waterproof material having substantially the shape of an isosceles trapezoid, said piece of material being provided with a semicircular neck opening cut out centrally of its shorter base and having fastening elements arranged along a central portion of its longer base of a length



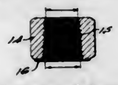
substantially equal to that of said shorter base whereby said central portion of said longer base can be secured to a corresponding central base portion of a second similar piece of material for forming a tent.

2,344,380
WHEEL SUSPENSION
Karl Wilfert, Sindelfingen, and Béla Barényi, Vaihingen-Rohr, Germany; vested in the Alien Property Custodian
Application October 8, 1941, Serial No. 414,147
In Germany June 19, 1940
4 Claims. (Cl. 180—73)



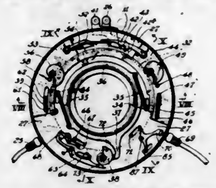
1. A vehicle having an axle aggregate, a pair of chassis members, upright supports connecting said members, upright sleeves surrounding said supports, rubber rings connecting the extremities of said sleeves with said supports, tubular extensions adjacent each end of said sleeves, one of such extensions being arranged longitudinally of the vehicle and another laterally of the vehicle, the axle aggregate having upper and lower vertical projections, lateral arms extending in opposite directions from said projections with their free extremities entering said laterally arranged tubular extensions of said sleeves, and rubber cushions within such tubular extensions and surrounding the free ends of said lateral arms.

2,344,381
NUT
Leonard A. Young, Detroit, Mich.
Original application May 3, 1940, Serial No. 333,191. Divided and this application January 17, 1942, Serial No. 427,089
2 Claims. (Cl. 151—37)



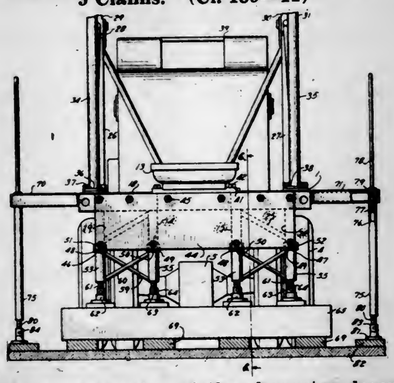
1. A metal lock nut comprising a jointed, work-hardened body portion having frusto-conical work-hardened threaded interior and spaced concentric work-hardened sharp annular locking flanges extending downwardly from the base of said body portion adjacent the largest diameter of said threaded opening.

2,344,382
CAMERA
Thomas McG. Aiken, Pittsburgh, Pa.
Application November 14, 1941, Serial No. 419,101
16 Claims. (Cl. 95—63)



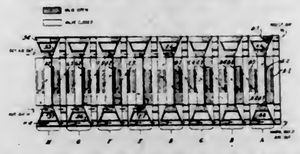
1. Exposure apparatus for cameras, comprising shutter blades, a member movable to open and close the blades, a spring for normally yieldably urging said member to open-shutter position, a second set of shutter blades, a member movable to open and close these blades, a spring for normally yieldably urging the last-named member to closed-shutter position, a latch for holding the first-named member in closed-shutter position, against its spring tension, a latch for holding the second-named member in open-shutter position, against its spring tension, and a tripping device for automatically releasing the second-named latch after release of the first-named latch.

2,344,383
SHORING FOR PORTABLE DRILLING RIGS
Emmett Lee Alexander and Albert W. Braithwaite, Enid, Okla., assignors to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma
Application January 9, 1941, Serial No. 373,775
5 Claims. (Cl. 189—11)



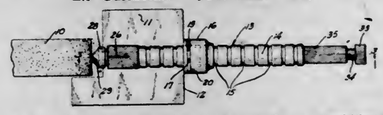
5. In an apparatus of the character described including, a wheel supported frame adapted to support a shiftable load having spaced longitudinal inner sills arranged to support the load when the load acts upon the frame between said sills and having spaced longitudinal outer sills arranged to support the load when the load is shifted to act upon the sides of the frame, shoring units adapted to be disposed under opposite sides of the wheel supported frame, each having longitudinal channel members forming seats for seating longitudinal sills, tubular posts fixed to ends of said longitudinal members, means interconnecting the tubular posts, screw shafts, and foot members having swivel connections with the screw shafts, said screw shafts being independently rotatable to bring said longitudinal members into supporting engagement with said sills whereby said units provide common supports in either of said load positions.

2,344,384
AIR CONDITIONING
Edmund Altenkirch, Neuenhagen, near Berlin, Germany; vested in the Alien Property Custodian
Application January 6, 1938, Serial No. 183,581
In Germany January 6, 1937
16 Claims. (Cl. 183—4.7)



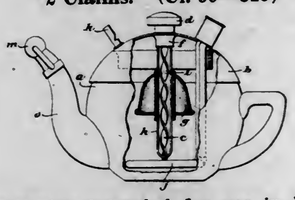
11. Air conditioning apparatus for an enclosure comprising a unitary fixed housing, a plurality of cells in said housing interconnected by passageways for the passage of air streams serially therethrough, material for changing the condition of an air stream in said cells, conduits for two independent air streams leading to said fixed housing, and valve mechanism automatically operable to control the passage of said two independent air streams through said cells, said mechanism functioning to pass one air stream over part of the material to continuously and progressively recondition a plurality of said cells while passing the other stream over the material in other of said cells to condition the stream for use in the enclosure.

2,344,385
GRINDING WHEEL TOOL
George J. Beaudet, Milwaukee, Wis., assignor of one-half to Max B. Stein, Chicago, Ill.
Application December 14, 1942, Serial No. 468,886
12 Claims. (Cl. 125—11)



1. A tool, comprising a barrel, a cutting element axially movably carried by one end of the barrel, cutting element adjusting means carried by the barrel and engaging the cutting element to move the same in one direction and projecting from the other end of the barrel, and a gauge and guide member axially adjustably mounted on the barrel independently of the cutting element adjusting means.

2,344,386
APPARATUS FOR THE PRODUCTION OF DECOCTIONS, ESPECIALLY TEA OR COFFEE
Susannah Berger, née Keresztes, Budapest, Hungary; vested in the Alien Property Custodian
Application January 6, 1941, Serial No. 373,226
In Hungary October 22, 1940
2 Claims. (Cl. 99—319)



1. Apparatus intended for use in households, for the production of decoctions in a closed space,

particularly a tea or coffee boiler, consisting of a closed vessel fitted with a safety valve, and, further, of a filtering box capable of being opened for accommodating the material from which an extract is to be made, the said box being arranged in the interior of the said vessel, of a screw spindle, not displaceable in the vertical direction and journalled in a manner rendered tight against leakage on the lid of the vessel, which spindle enables the filtering box to be raised or lowered in the interior of the vessel and projects into the open beyond the lid of the vessel and ends in a turning headpiece and, further, of a heater fixed to the lid of the vessel and projecting into the lower part of vessel and, finally, of a closeable discharge tube, projecting into the closed vessel, through which tube the liquid can be forced out from the vessel by vapor or gas pressure, in which apparatus the strainer box, the raising spindle of the latter, the electric heater, the safety valve and the outlet pipe are fixed to the lid of the vessel so that when lifting off the lid it should be possible to remove them from the vessel jointly.

2,344,387

METHOD OF PRODUCING SOREL CEMENTS

Josef Berlek, Radenthein, Germany; vested in the Alien Property Custodian

No Drawing. Application June 20, 1939, Serial No. 280,215. In Germany July 21, 1938
1 Claim. (Cl. 106—105)

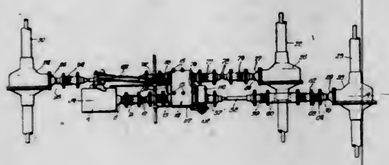
The method of producing a Sorel cement in which the basic magnesia constituent is made from naturally occurring crystalline magnesite having such a high ferrous iron content that Sorel cement containing the magnesia if produced from said magnesite by burning under oxidizing conditions, would be injured by the oxidation of said iron to the ferric state, which method comprises calcining such magnesite having such a high ferrous iron content at a temperature sufficiently high to produce caustic burned magnesia and continuously during such calcining operation introducing a stream of reducing gas to maintain the material in a reducing atmosphere and produce caustic burned magnesia in which substantially all of the iron due to reducing atmosphere, is present in the ferrous state, and mixing the so calcined caustic burned magnesia with a soluble magnesium salt to give a high quality of Sorel cement.

2,344,388

VEHICLE DRIVING MECHANISM

Leo A. Bixby, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application March 7, 1940, Serial No. 322,686
20 Claims. (Cl. 180—24)



1. An auxiliary transmission for a six wheel drive truck having one front and two rear driving axles, comprising transfer gearing mounted intermediate said front and rear axles and including an input shaft, a second shaft disposed below and substantially in the vertical plane of said input shaft, change speed gearing between said shafts for varying the driving ratio therebetween, and a third shaft means laterally offset from said second shaft and comprising axially alined shafts, selective clutch means therebetween, one of said last-named shafts being constantly driven by said second shaft, a driving connection between said second shaft and one of said rear axles, a driving connection between said one of said third axle shaft means and the other rear axle, and a driving connection between the other of said third shaft means and said front axle.

2,344,389

PROCESS FOR THE PREPARATION OF DYESTUFFS OF THE ANTHRACENIC SERIES

Robert Henri Léon Bretagne, Nogent-sur-Oise, France; vested in the Alien Property Custodian

No Drawing. Application April 3, 1941, Serial No. 386,742. In France January 22, 1940
6 Claims. (Cl. 260—264)

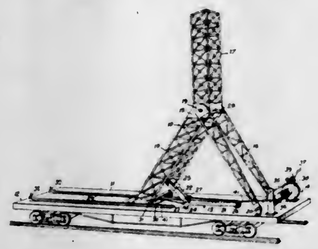
1. A process for the preparation of dyestuffs of the anthracenic series, by condensation, in an alkaline medium, of a compound of the group consisting of the 9-10 sulphuric di-esters of the beta-amino-leuco-anthraquinones, of the beta-acyl-amino-leuco-anthraquinone and of their halogenated derivatives in positions other than position 1, in which silver oxide is caused to act as condensation agent.

2,344,390

RAISING AND LOWERING MECHANISM

Harold Cohen, Elizabeth, N. J.

Application January 6, 1943, Serial No. 471,405
8 Claims. (Cl. 189—15)



4. The combination with a structure connected for movement between one position and another, of a bell-crank lever operable to partly move the structure out of one position, and means to operate said lever, one end of said lever being engaged by said means and its other end engaging said structure, said means also being connected with said structure to complete the movement of the structure into the other position.

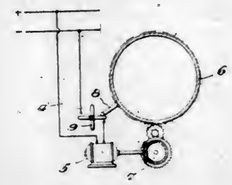
2,344,391

PROCESS FOR PREVENTING THE FORMATION OF CLINKER RINGS

Pierre Coiffu, Paris, France; vested in the Alien Property Custodian

Application April 22, 1941, Serial No. 389,810
In Germany June 5, 1939
2 Claims. (Cl. 263—53)

1. A process for preventing the formation of clinker rings in molten or clinkered materials such as cement in a rotary furnace comprising rotating said furnace about its axis constantly in



the same direction and then diminishing the turning speed at certain predetermined intervals of time.

2,344,392

CRANKCASE LUBRICANT AND CHEMICAL COMPOUND THEREFOR

Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 8, 1941, Serial No. 418,326
6 Claims. (Cl. 252—48)

1. A solution of a heavy metal salt of the dicapryl ester of dithiophosphoric acid in lubricating oil.

2. A solution of an alkaline earth metal salt of the dicapryl ester of dithiophosphoric acid in lubricating oil.

2,344,393

LUBRICATING OIL COMPOSITION

Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 18, 1942, Serial No. 431,366
6 Claims. (Cl. 252—37)

1. A lubricating oil composition comprising at least 0.1% by weight of a zinc salt of diamyl dithiophosphoric acid and a lubricating oil.

2,344,394

BARIUM DI(DIHYDRO ABIETYL) DITHIOPHOSPHATE AND THE METHOD OF MAKING THE SAME

Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 17, 1942, Serial No. 439,399
2 Claims. (Cl. 260—98)

1. Barium di(dihydro-abietyl) dithiophosphate.

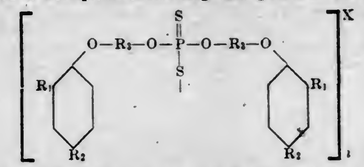
2,344,395

LUBRICATING OIL

Elmer William Cook, New York, N. Y., and William David Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 16, 1942, Serial No. 447,273
7 Claims. (Cl. 252—39)

1. A lubricating oil composition containing a major portion of a lubricating oil and 0.1–3.0 per cent of a compound having the general formula:



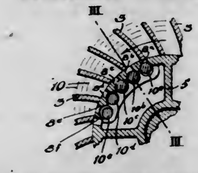
in which R_1 and R_2 are members of the group consisting of hydrogen and alkyl radicals at least one R being an alkyl radical the total carbon atoms in R_1 and R_2 being at least eight, R_3 is an alkylene radical containing 2–4 carbon atoms inclusive, X is a member of the group consisting of hydrogen and metal salt forming radicals and n is the valence of X.

2,344,396

COMPRESSION OR DEPRESSION PUMP OF THE LIQUID RING TYPE

Robert Léon Dardelet, Grenoble, France; vested in the Alien Property Custodian

Application January 9, 1941, Serial No. 373,839
In France January 22, 1940
10 Claims. (Cl. 230—79)



1. In a compression or depression pump of the liquid ring type comprising a stator, a rotor therein having displacement recesses and at least one circular surface coaxial with said rotor and having at least one inlet opening and one discharge opening extending therethrough, the displacement recesses in the rotor co-operating with said circular surface and with liquid contained in the stator to create a pressure difference between the said openings, said discharge opening including a member of elongated ports spaced apart in the direction of the rotation of the rotor, movable rod-shaped elements in register with at least a part of said ports, and arranged on the other side of said circular surface with respect to the rotor, guiding means mounting each of said elements for free displacement between a working position in which said element obturates the corresponding port, and a further position uncovering said port, whereby the said elements are directly exposed to the delivery pressure of the pump and the gases coming from the displacement recesses in the rotor and are only allowed to pass when their pressure exceeds the said delivery pressure.

2,344,397

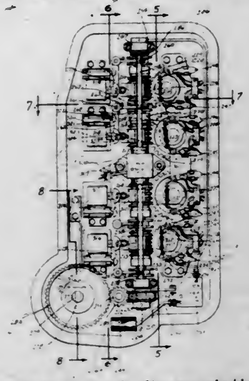
POWER AND CONTROL FOR ARTICULATED BEDS

Charles Drexler and Ralph H. Morgan, Indianapolis, Ind., assignors to Dr. Robert R. Freund, Mount Carmel, Ill.

Original application July 9, 1937, Serial No. 152,718. Divided and this application March 13, 1940, Serial No. 323,676
6 Claims. (Cl. 74—428)

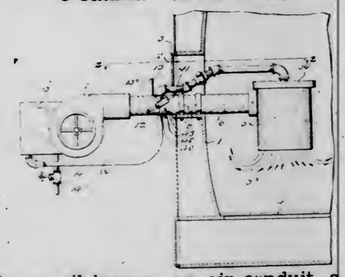
1. In a structure of the character described, a pair of shafts, meshing gears therebetween, one being rigid with one shaft, and the other gear being loose on the other shaft, said other gear including an annular channel in one face thereof,

a clutch member on said other shaft, and similarly channeled in its confronting face, a closely coiled clutch spring seated in said channels, a clutch collar slidable on said loose gear supporting shaft, means carried by the collar and associated with the clutch member arranged for



spring association and disassociation in collar sliding movement for effecting driving connection between the channeled members through said spring, travel limit means operatively associated with the clutch collar to effect cessation of rotation upon a predetermined amount of rotation of the rigid gear supporting shaft.

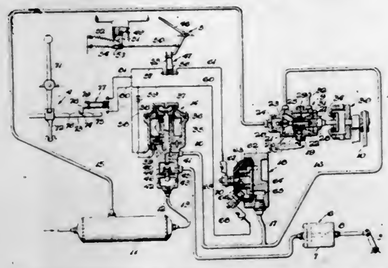
2,344,398
OIL BURNER
John East, Ira J. Shelton, and Hermann R. Harris, Detroit, Mich.
Application December 14, 1940, Serial No. 370,184
3 Claims. (Cl. 158—91)



3. In an oil burner, an air conduit, a hollow cylindrical head having its axis in a vertical position and being open at the bottom, the air conduit being connected thereto adjacent the top in a manner to discharge air tangentially thereinto, a vaporizing plate supported in the head between the point of discharge of air thereto and the open end thereof, the plate being provided with oil channels in its upper surface, means for supplying oil to the upper surface of the vaporizing plate, and a blower for discharge of air through the conduit into the head over the vaporizing plate.

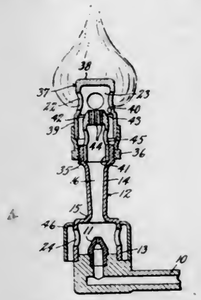
2,344,399
CLUTCH CONTROL MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application October 4, 1941, Serial No. 413,678
17 Claims. (Cl. 192—.01)

1. In an automotive vehicle provided with an internal combustion engine, an accelerator and a clutch, power means for operating the clutch to cause engagement and disengagement thereof, means for controlling said power means including accelerator-controlled mechanism for causing clutch-disengaging operation of the power means and for initiating clutch-engaging operation of the power means, said controlling means includ-



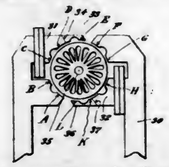
ing means responsive to engine speed for controlling the remaining clutch-engaging operation of the power means after the initiation of clutch engagement, and means responsive to operation of the last-named means above a predetermined engine speed for preventing operation of said accelerator-controlled mechanism in response to operation of said accelerator.

2,344,400
GAS BURNER
Bo Karl George Ehnbom, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application May 2, 1940, Serial No. 332,928
In Germany June 20, 1939
3 Claims. (Cl. 158—99)



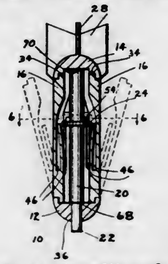
3. A gas burner including structure forming a first mixing chamber having gas and air inlets, said structure including a wall member having openings therethrough for permitting flow of the mixture of gas and air from said first chamber, a burner head secured to said structure and providing the side and top walls of a second mixing chamber which receives the mixture of air and gas from said first chamber through the openings in said wall member, the openings in said wall member being materially greater in length than in diameter, said wall member having one or more ports to provide a path of flow for the mixture of air and gas from said first chamber to said second chamber without passing through the openings in said wall member, said head having flame ports in said side wall, and said top wall being imperforate to baffle flow of combustible mixture in the line of the axis of the openings in said wall member.

2,344,401
HORSESHOE TYPE MOTOR
Clark Finch, West Palm Beach, Fla.
Application September 22, 1941, Serial No. 411,910
1 Claim. (Cl. 172—278)



A self-starting synchronized motor of the 400 R. P. M. style comprising a field magnet of a conventional horse-shoe type having opposed poles, a rotor mounted between and adapted to rotate between the poles, each pole having a notch formed in the face thereof adjacent the rotor, the rotor having a plurality of radiating spaced spokes to properly synchronize and operate in connection with said field magnet, an extension carried by each pole, one extension being located in an overlying position and the other extension being located in an underlying position relative to said rotor, the extension being adapted to be fixed in an adjusted position to create a maximum effect upon said rotor, each extension having a notch upon its face adjacent the rotor, said notches of said extensions and poles being spaced to match the spokes of said rotor, each pole and its extension spanning a distance of one-half of the number of spokes of the rotor, the poles and extensions thereof each constituting a field arm, the field arms being spaced one spoke gap apart at the top and bottom of the rotor, and each field arm of the field magnet being arranged so that its active points meet alternate spokes of the rotor.

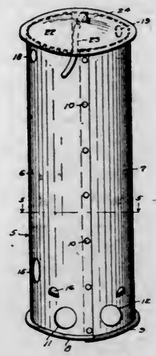
2,344,402
TOY BOMB
George L. Frady, Omaha, Nebr.
Application March 4, 1943, Serial No. 477,957
6 Claims. (Cl. 46—174)



1. In a toy bomb, a plurality of side wall sections, a shaft, said sections being arranged side by side about said shaft, a nose piece for securing one end of said sections together, resilient clappers carried by said sections disposed against said shaft normally urging the other ends of said sections away from each other and said shaft, and an assembly means for drawing said other ends together toward said shaft.

2,344,403
ORCHARD HEATER
John C. Gaffney and Edward L. Kane, Miami Beach, Fla.
Application September 8, 1941, Serial No. 410,100
2 Claims. (Cl. 126—59.5)

1. An orchard heater comprising a cylindrical body, having notches disposed circumferentially about a part of its upper edge and having its wall pierced opposite said notches, a cover, a strip secured to said cover and projecting beyond one side thereof to constitute a handle for the cover, said strip being dimensioned to engage in said

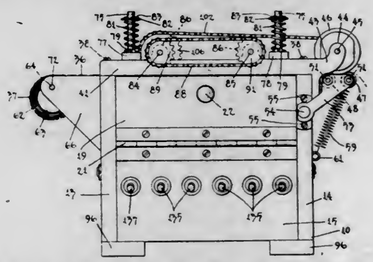


notches, and having its rear end depressed and shaped to engage in that opening of the wall of the body which lies opposite said notches and a grate arranged in the casing adjacent its lower end.

2,344,404
CORROSION PREVENTING AGENT
Franz Giloy, Dessau, Germany; vested in the Alien Property Custodian
No Drawing. Application October 17, 1940, Serial No. 361,581. In Germany October 21, 1939
6 Claims. (Cl. 167—22)

1. A composition substantially non-corrosive to metals comprising a solution of a small amount of a salt of an ether carboxylic acid in water containing metal corroding materials, said solution having a pH of at least 6.5.

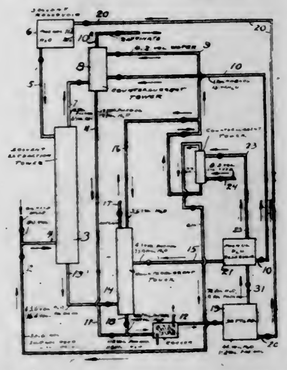
2,344,405
PHOTOGRAPHIC PRINTING MACHINE
Garrison P. Grover, Minneapolis, Minn.
Application November 17, 1941, Serial No. 419,455
8 Claims. (Cl. 95—75)



7. In a photographic printing machine, a support for a negative, a platen movable toward and from said support, means including a sprocket for so moving said platen intermittently to engage the same with a sensitized sheet overlying a negative on said support, a feed roll having a sprocket, a pressure roll intermittently engageable with said feed roll, means including a sprocket for actuating the pressure roll, said rolls cooperating to advance said sensitized sheet along said support at the time of disengagement of the platen from the sheet, electric illuminating means for causing the printing of said sensitized sheet through said support and the negative

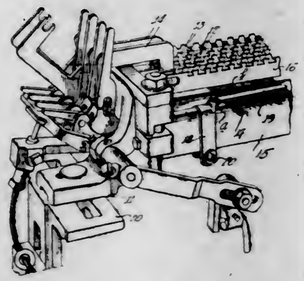
thereon, a circuit for energizing said illuminating means, said circuit including a switch, adjustable switch actuating means including a sprocket, and a single drive chain meshing with all of said sprockets and through the same causing the actuation of their said respective means.

2,344,406
REFINING OF MINERAL OILS
Henry J. Hibshman, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 16, 1942, Serial No. 451,119
4 Claims. (Cl. 196—13)



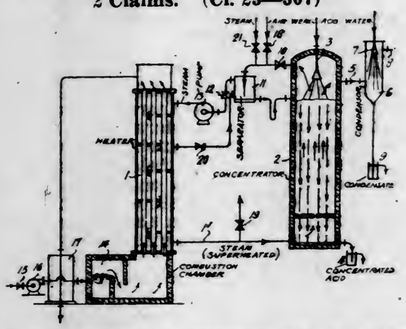
1. A method of refining a petroleum lubricating oil fraction which comprises extracting the same with a mixture comprising about 70% to about 74% by volume of phenol and about 26% to about 30% by volume of water at a temperature of about 300° to about 450° F. and under a pressure sufficient to maintain the contacting materials in the liquid phase, washing the extract thus formed with sufficient water containing not more than small amounts of phenol to produce, after separation of the oil therefrom, a mixture of phenol and water containing about 40% to about 60% by volume of water, cooling to ordinary temperatures to cause separation of phases, and returning the predominantly phenolic phase to the original extraction zone.

2,344,407
SELVEDGE GUARD FOR LOOMS
Luther Holloway, Jackson, Tenn.
Application February 15, 1943, Serial No. 475,888
5 Claims. (Cl. 139—3.5)



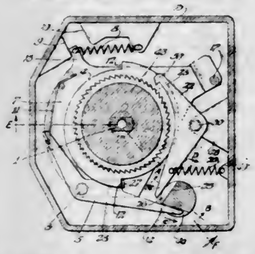
1. A selvedge guard for looms comprising a member consisting of a pair of relatively parallel legs adapted to straddle the front warp support of said loom, and a right angular extension integral with and elevated above the junction of said legs and adapted to overlie the selvedge warp threads advancing over said warp support, to damp excess vibration thereof.

2,344,408
CONCENTRATION OF SULPHURIC ACID
Mieczyslaw Joseph Kalous, Barn Croft, Shootersway, Berkhamstead, England
Application February 11, 1941, Serial No. 378,470
In Great Britain March 4, 1940
2 Claims. (Cl. 23—307)



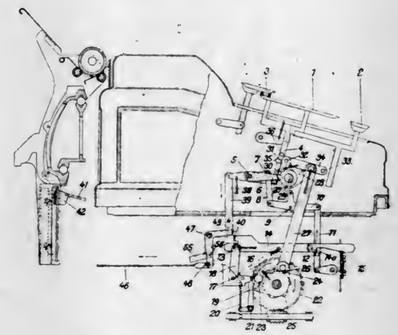
1. The process for concentration of sulphuric acid which comprises passing weak acid and superheated steam in counter-current flow and in direct contact through a concentrating tower where the steam gives up heat to the acid, passing the steam from the tower after such counter-current flow to a heating zone where heat on the order of that given up in the tower is added to the steam, passing the superheated steam from the heating zone back to the tower for recontact with weak acid, the flow of steam from the tower through the heating zone and tower being maintained as a closed circulating system, removing from the circulating steam an amount of steam corresponding with that generated in the tower by passage of the steam therethrough, and removing concentrated acid from the bottom of the tower.

2,344,409
PHOTOGRAPHIC CAMERA
Heinz Küppenbender, Dresden, Heinrich Eyth, Stuttgart-Sonnenberg, and Eugen Jörg, Stuttgart, Germany; vested in the Alien Property Custodian
Application June 15, 1940, Serial No. 340,750
In Germany June 15, 1939
5 Claims. (Cl. 95—31)



1. In a rollfilm camera, the combination of a shutter release means provided with a manually depressible member, a manually operable film advancing means provided with a ratchet, a rotatably mounted indicator carrying plate adapted to be rotated by said film advancing means to a position which indicates that an unexposed film section has been advanced to exposure position, a pawl rotatably mounted on said carrying plate and normally operatively connected with said film advancing means, said pawl being moved out of operative engagement with said film advancing means by said manually depressible member when the latter is depressed to release the shutter, spring means for moving said carrying plate out of its indicating position when said pawl has been actuated by said manually depressible member, a spring influenced holding pawl normally held out of engagement with said ratchet by said manually depressible member and engaging said ratchet to prevent an operation of said film advancing means when said depressible member is depressed, and means for preventing a return of said manually depressible member to its initial position and a release of said holding pawl from said ratchet when said depressible member is insufficiently depressed to cause a release of the shutter.

2,344,410
CLUTCH MECHANISM FOR ACCOUNTING MACHINES
Hermann Rauh, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian
Application December 8, 1939, Serial No. 308,262
In Germany January 17, 1939
5 Claims. (Cl. 192—33)

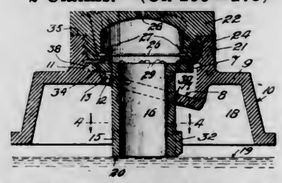


1. In an accounting machine having a main drive shaft, the combination with a power-driven clutch; of clutch-control mechanism normally latched in position to maintain the clutch disabled; a spring operable upon the clutch-control mechanism to free the clutch for operation; a starting key; means operable by the starting key on depression, thereof, to unlatch the clutch-control mechanism, to free it to the action of its spring; means to restore the clutch-control mechanism to its latched position during the first half revolution of the clutch; means operable during the first half revolution of the clutch to positively restore the starting key and said means operable thereby to their normal positions, and to release the starting key and its said means early in the second half revolution of the clutch, to enable the starting key to unlatch the clutch-control mechanism for operation by its spring, prior to the completion of the cycle of rotation of the clutch; and removable stop means to retain the released clutch-control mechanism against operation by its spring until the main drive shaft has substantially completed its movement.

2,344,411
TREATMENT OF CELLULOSIC MATERIAL TO INCREASE ITS REACTIVITY
Richard E. Reeves, Yonkers, N. Y., assignor to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application May 29, 1939, Serial No. 276,441
1 Claim. (Cl. 260—212)

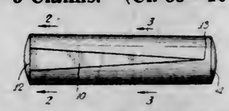
A method of modifying the chemical characteristics of cellulose, which comprises, subjecting the cellulose to the action of a 0.12–0.15 M. periodic acid solution, at room temperature for a period of less than 24 hours, to secure only partial oxidation of the cellulose.

2,344,412
CLOSURE FOR BATTERY BOX COVERS
Roland Reppert, Pelham Manor, N. Y., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application April 10, 1941, Serial No. 387,831
2 Claims. (Cl. 136—178)



2. The combination of a battery box cover including a top wall having an annular valve seat on an inclined plane surrounding an opening through the wall in which is a radially projecting notch terminating short of the periphery of the valve seat and a threaded neck rising from the wall surrounding the valve seat, with a valve member consisting of an annular valve adapted in one position to seat against the valve seat and close the opening through the wall, said valve having a downwardly extending tube projecting through the opening in the wall, the wall being provided beyond the uppermost point of the inclined valve seat with a horizontal ledge which is overlapped by the outer margin of the valve, and a vent cap having a downwardly extending threaded annular part adapted to be screwed into the threaded neck of the cover and contact with that portion of the margin of the valve extending over the horizontal ledge so as to bring the under surface of the contacted margin of the valve against the horizontal ledge and thereby lift the valve from the valve seat, the lower surface of the annular portion of the vent cap being provided with radial vent grooves.

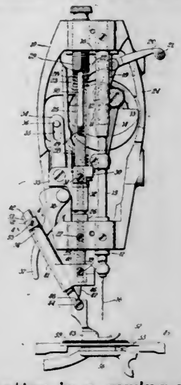
2,344,413
DRIVE FASTENER
Cecil C. Richards, West New York, N. J., assignor to Groov-Pin Corporation, Union City, N. J., a corporation of New York
Application August 1, 1942, Serial No. 453,231
5 Claims. (Cl. 85—10)



1. A drive pin having flats extending along a portion of the length thereof, the transverse cross-section of said fastener through said flats being inscribed in a regular polygon whose sides extend along the transverse dimension of the

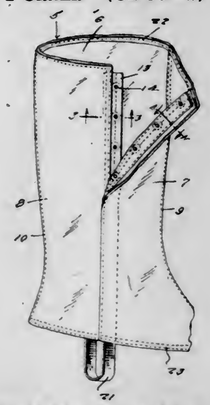
flats, each cross-section presenting curved spans connecting the flats, and bulging outward beyond the periphery of the smallest circle circumscribing said flats.

2,344,414
PRESSER MECHANISM FOR SEWING MACHINES
Herman Ritter, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 14, 1942, Serial No. 465,533
8 Claims. (Cl. 112—235)



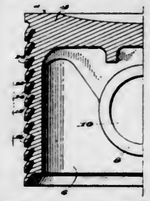
1. The combination in a sewing machine having a work-support, a head spaced from said work-support, and a needle-bar reciprocably journaled within said head and operable in a path substantially perpendicular to said work-support, of bearing means sustained by said head, a plunger journaled for endwise movement within said bearing means, said plunger being inclined relative to said work-support, a presser-foot secured upon the lower end of said plunger, and spring means in engagement with said plunger, said spring means exerting a thrust upon said plunger in a direction perpendicular to said work-support.

2,344,415
STOCKING PROTECTOR
Neva Ryan, Chicago, Ill.
Application July 7, 1942, Serial No. 450,042
1 Claim. (Cl. 36—2)



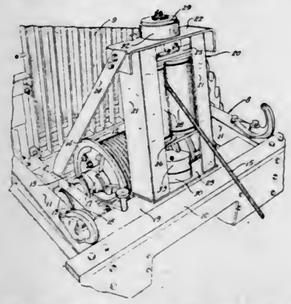
A stocking protector comprising a high rising anklet formed of relatively light weight moisture-proof material, said anklet comprising an inboard side section and an outboard side section, the front and rear edges of the sections being overlapped and secured together, the outboard section being formed of two sub-sections divided along a vertical line located substantially midway between the front and rear edges of the said sheet, the forward edge of the rear sub-section being turned inwardly and sewed, with a forwardly extending tape secured to the inner side of the sewed fold and extending forwardly of the forward edge of the rear subsection, the rearward edge of the front sub-section being inwardly folded, a pair of tubular tapes secured to the fold of the rear sub-section and to the fold of the front sub-section, respectively, to extend along said folds and overlap on the leg of the wearer, said tapes being provided within the same with interlocking male and female snap fasteners, respectively, spaced along the tapes, and said tapes being apertured on one side thereof opposite the fasteners therein to provide for introducing the fasteners in each tape into the other tape to interlock said fasteners.

2,344,416
PISTON
Alfred Scheibe, Dessau-Ziebigk, Germany; vested in the Alien Property Custodian
Application September 16, 1941, Serial No. 411,083
In Germany September 19, 1938
9 Claims. (Cl. 309—10)



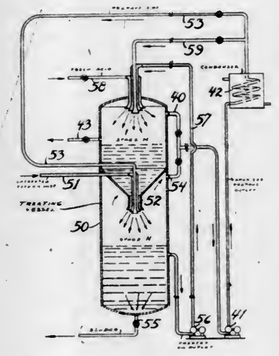
1. A piston having a length substantially no greater than its diameter and having a plurality of integrally formed elastic fins covering substantially the entire peripheral surface of said piston, the free ends of said fins being adapted to bear upon a cylinder wall.

2,344,417
FAIR-LEAD DEVICE FOR WINDING DRUMS
Harlow L. Schmidt, Milwaukee, Wis., and Robert T. Hendrickson, Chicago, Ill.; said Schmidt assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application October 8, 1942, Serial No. 461,278
3 Claims. (Cl. 254—166)



1. In combination, a self-propelled vehicle having a radiator, spaced longitudinal frame members extending forwardly of the radiator and a transverse bumper bar carried by the forward ends of said frame members spacedly from the front of said radiator, an open cradle spanning said frame members in the space between the radiator and bumper bar, a power operated winch including a horizontal drum carried by said cradle and extending into the opening thereof, and a cable fairlead device mounted vertically on said cradle forwardly of the winch drum and extending over the same, the greatest dimension of said device being in a vertical direction and all portions thereof being rearwardly of said bumper bar.

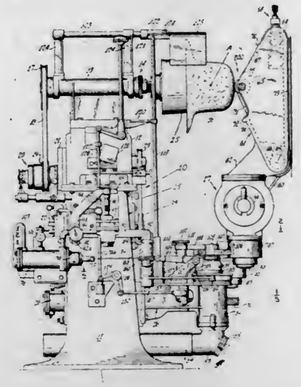
2,344,418
PROCESS FOR THE REMOVAL OF UNDESIRABLE SULPHUR COMPOUNDS FROM PETROLEUM OIL
Jackson R. Schonberg, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 5, 1940, Serial No. 359,840
1 Claim. (Cl. 196—31)



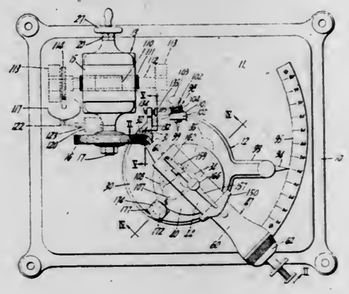
Process for the removal of undesirable sulphur compounds from petroleum oils boiling in the motor fuel boiling range under conditions to retain the major part of the unsaturated constituents in the treated oil, comprising treating said petroleum oil at a temperature in excess of about 65° F. with a mixture comprising sulphuric acid and a liquefied saturated normally gaseous hydrocarbon under conditions to vaporize said liquefied hydrocarbon throughout the mass and to remove the heat of reaction as it is formed so that temperatures above 70° F. are avoided, whereby excessive polymerization and side reactions are prevented.

2,344,419
METHOD OF AND APPARATUS FOR POUNCING HATS
Paul Schultze, Danbury, Conn., assignor to Doran Brothers, Incorporated, Danbury, Conn.
Application May 29, 1941, Serial No. 395,885
24 Claims. (Cl. 223—20)

1. A machine of the character described, in combination, a base, a hat support rotatably mounted on said base, a tool support, a tool operatively mounted on said tool support, means operatively connecting said tool support and said base for relative movement therebetween along a path extending substantially from the tip of a hat mounted on the hat support to the outer edge of the brim of the hat, a brim depressor pivotally associated with one of said supports, means for maintaining said depressor in a normally inoperative position spaced from the hat, and means for pivoting said brim depressor from said inoperative position into operative engagement with said hat brim as said tool passes thereover.

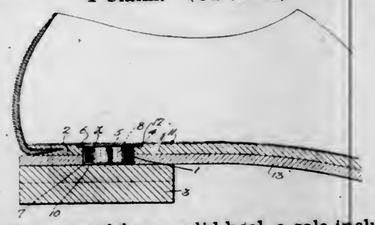


2,344,420
MACHINE TOOL
Arthur A. Schwartz, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application May 9, 1941, Serial No. 392,713
3 Claims. (Cl. 51—219)
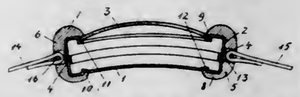


1. In a grinding machine, a base and a rotatable abrading implement carried thereby, supporting means likewise carried by said base and work holding means projecting from opposite ends thereof and journaled therein, one end of said holding means comprising a chuck for receiving a work piece and the other end of said holding means comprising a portion for manual manipulation, a cam secured to one of said means and a follower therefor on the other of said means, whereby the relative axial position of the holding means in the supporting means is automatically varied in response to manual rotation thereof, gage means carried by said base for engagement with the end of a work piece to be operated upon to align the same angularly on its own axis, said gage means being spaced from said abrading implement, and means providing pivotal movement of said work holding means whereby a work piece may be pivotally moved between said gage means and said abrading implement.

2,344,421
SHOE
Harold A. Schwartz, Philadelphia, Pa.
Application October 6, 1941, Serial No. 413,871
1 Claim. (Cl. 36—1)



A shoe comprising a solid heel, a sole including a rear portion overlying said solid heel, a receptacle removably mounted in a cavity formed in said rear portion of the sole above said heel, said receptacle including upper and lower plates substantially flush with the upper and lower surfaces respectively of said rear portion of the sole, and a rigid center post intermediate said plates and transmitting pressure applied to said upper plate to said heel underlying said receptacle, said upper plate being of relatively larger diameter than said cavity and resting on an annular shoulder formed in said rear portion of the sole below said upper surface thereof to support said upper plate adjacent its peripheral edge.

2,344,422
WATCHCASE
Helmut Sickinger, Pforzheim, Germany; vested in the Alien Property Custodian
Application March 12, 1941, Serial No. 382,857
In Germany March 4, 1940
2 Claims. (Cl. 58—88)



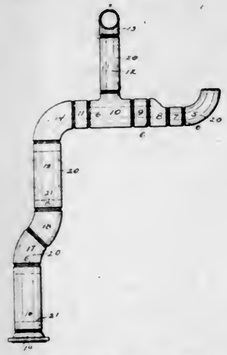
1. A watch case comprising top and bottom members, the top member having a bezel with a watch glass therein, the bottom member having notches in the bottom face thereof, a pair of clamps adapted to be respectively engaged with opposite sides of the top and bottom members, each clamp having a pair of resilient arms with a claw at the free end of each arm respectively engaged with the bezel of the top member and the notches in the bottom member, said claws which engage said bezel extending over the edges of the watch glass whereby the glass is resiliently held in the bezel.

2,344,423
FASTENER
John W. Simmons, Cleveland Heights, Ohio
Application May 4, 1943, Serial No. 485,607
14 Claims. (Cl. 85—36)



9. A fastener constructed of a piece of wire originally of the same cross sectional size and shape from end to end and comprising a base, and end portions turned back over and inclined away from the base to provide holding parts, the base having a formation at substantially its longitudinal center to provide clearance for an entering element that is adapted to be projected through the plane of the base for engagement between the aforesaid holding parts, the terminals of the aforesaid end portions being shaped to a cross section differing from the original to provide teeth and positioned for holding engagement with the opposite sides of said entering element, the original cross sectional size and shape of the piece of wire remaining unchanged throughout the remainder of the length of said end portions.

2,344,424
WELDED PIPE INSTALLATION
Howard S. Singleton, Alexandria, Va.
Application February 17, 1943, Serial No. 476,239
1 Claim. (Cl. 285—111)

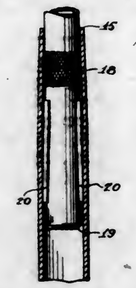


A plurality of threadless weldable pipe fittings complementally making up a run of threadless welded pipe, and wherein at least some of said fittings lie at an angle to the adjoining fittings in the length of said run, said fittings each having a plurality of indicating marks spaced equidistantly in degrees therearound and coacting with the marks of adjoining fittings to indicate the degree of angular offset in the line of any angularly disposed fitting, some of the fittings comprising straight nipples or pipe sections and said indicating marks upon the latter fittings extending from end to end of said fittings so that said marks will be present to perform their function of determining the angular offset of an adjacent fitting irrespective of the point at which such straight section or fitting may be cut off.

2,344,425
RADIO ANTENNA
Gerson Snyder, Philadelphia, Pa., assignor to Snyder Mfg. Company, Philadelphia, Pa., a partnership composed of Ben Snyder and Gerson Snyder
Application August 26, 1942, Serial No. 456,241
5 Claims. (Cl. 250—33)

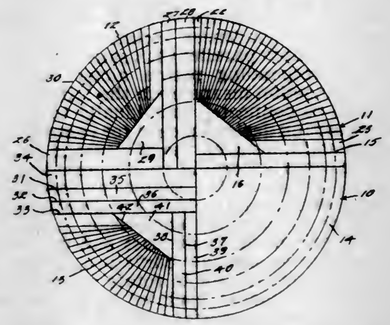
1. A radio antenna of the character described comprising an outer tubular metal section and a plurality of inner tubular metal sections all telescopically adjustable one within another and being spaced from adjacent sections substantially along their length, said sections each having an inwardly tapered neck portion at their upper end arranged snugly to embrace the exterior of the next inner section when the latter is extended, means for locking adjacent sections in fully extended relation against collapse thereof as a result of force exerted lengthwise of said sections comprising an upset portion externally

of each of said inner sections adjacent the lower end thereof operable to bite into and interlock with the tapered neck portion of the next outer section, said locking means being releasable to permit collapse of said sections by effecting relative rotation of adjacent sections with respect to one another, an inturned flange portion at the lower end of each of the inner sections extending into the path of the next inner section



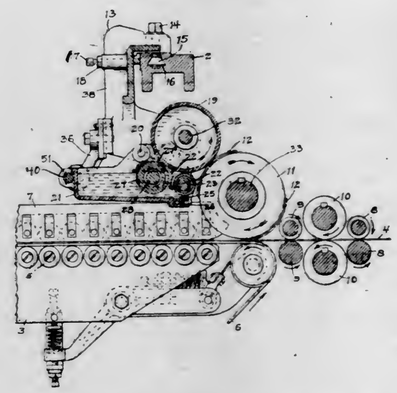
to prevent passage of the latter through the lower end of the outwardly adjacent section, and spring members secured at diametrically opposite sides of each of the inner sections between the lower end and upset metal portion thereof, said springs engaging the interior surface of the outwardly adjacent section to provide electrical connection between adjacent sections and firmly support the same free from rattling in any desired position to which telescopically adjusted.

2,344,426
BEVEL METHOD SAWING
Edward P. Stamm, Portland, Oreg.
Application January 12, 1942, Serial No. 426,501
2 Claims. (Cl. 144—309)



1. A method of cutting rectangular and beveled lumber from a quartered log having a pair of right angular flat faces which includes initially positioning the log with one flat face thereof horizontal and the other flat face thereof vertical and adjacent the saw, making at least one vertical cut parallel with said vertical face to thereby form rectangular lumber, rotating the log to position the heart portion thereof innermost with respect to the saw and with the remaining right angular faces disposed at an obtuse angle to the vertical, cutting a triangular heart portion, again shifting the truncated quartered log to position one of the remaining right angular flat faces horizontal and the other of the right angular faces vertical with the axial center of the log grain closely adjacent the cutting line, and finally making a series of cuts from the periphery of the log toward the obtuse face formed by removal of the heart section with the log rocked toward the saw after each cut to thereby form beveled boards, each beveled board having the configuration of a truncated V in section.

2,344,427
ADHESIVE APPLYING MECHANISM
Edwin G. Staude, Minneapolis, Minn.
Application September 21, 1942, Serial No. 459,088
6 Claims. (Cl. 91—50)

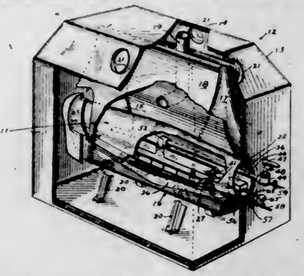


2. An adhesive applying mechanism including an adhesive applying means; an alhesive transfer means for transferring adhesive to the adhesive applying means; an adhesive reservoir; a revolving roller located within said reservoir adjacent to said adhesive transfer means; means for adjusting said revolving roller towards or from said adhesive transfer means for regulating the flow of adhesive to said adhesive transfer means; revolving means located within said reservoir near said revolving roller; said revolving means, said revolving roller and said adhesive transfer means being separated from each other to form a chamber between them, said revolving means being positioned to force adhesive into said chamber to cause said adhesive to contact said revolving roller and said adhesive transfer means; said revolving means and said adhesive transfer means being provided with a space between them to permit surplus adhesive within said chamber to return to said reservoir.

2,344,428
BURNER FOR FLUID FUEL
Edward L. Torrey, Oakland, Calif.
Application September 30, 1940, Serial No. 358,951
12 Claims. (Cl. 158—63)

1. A fluid fuel burner comprising a member arranged for its heating and providing an elongated cavity therein having its longitudinal axis horizontal and having air and fuel inlets and a side outlet for the discharge of the gaseous mixture resulting from the mixing of the inlet air and fuel, said outlet comprising an horizontal slit, and an open-ended tubular shell enclosing said member longitudinally of said slit in spaced relation from the member and provided with a bottom opening having its upper edge disposed

substantially in the same horizontal plane with the slit and arranged for the passage of the said



gaseous mixture beneath said edge for its combustion along the outer shell surface.

2,344,429

PROCESS OF PURIFYING SULPHURIC ACID SOLUTIONS

Dirk Willem van Gelder, Maasniel, Netherlands; vested in the Alien Property Custodian

No Drawing. Application April 3, 1941, Serial No. 386,748. In the Netherlands May 4, 1940

9 Claims. (Cl. 23—172)

1. A process of purifying sulphuric acid solutions from iron compounds which comprises concentrating sulphuric acid containing iron compounds while containing ammonium sulphate in an amount much more than the amount of said iron compounds, until a large part at least of the iron compounds present are precipitated in the form of ferric ammonium sulfate in a condition substantially insoluble in sulphuric acid, and separating the so precipitated iron compounds.

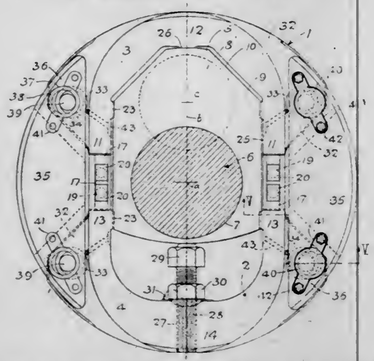
2,344,430

TORSIONAL VIBRATION DAMPER

Paul S. Vaughan, Auburn, and Arthur W. Infanger, Cayuga, N. Y., assignors to American Locomotive Company, New York, N. Y., a corporation of New York

Application July 22, 1943, Serial No. 495,710

5 Claims. (Cl. 74—604)



1. An engine crank shaft having a crank web, said crank web having opposite faces extending transversely of said crank shaft and a peripheral face connecting said transverse faces and extending longitudinally of said crank shaft; and a torsional vibration damper having a hub mounted on said crank web, said hub having an inner face opposed to said peripheral face and lips overlapping said transverse faces, said hub being formed of two parts, each part being substantially U-shaped providing two legs and a yoke connecting said legs, said legs of one of said parts being directed toward said legs of the other of said parts and interfitting therewith with tongue-and-groove connections, said interfitting legs having aligned orifices extending through the tongue-and-groove connection thereof parallel to the axis of said crank shaft, said damper further having bolts extending through said orifices securing said parts together.

2,344,431

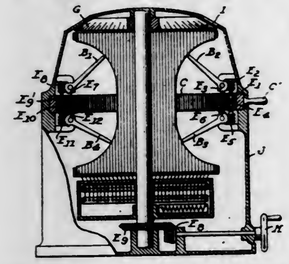
MICROPHONE PHASE COMPENSATOR

Raymond Villem, Paris, France; vested in the Alien Property Custodian

Application June 25, 1940, Serial No. 342,318

In France July 18, 1939

4 Claims. (Cl. 177—386)



1. In connection with one or more detecting devices intended to be disposed in contact with an exterior surrounding fluid capable of conducting sounds or mechanical vibrations and provided with a circuit having two parallel branches connected together by at least one resistor and adapted to be connected to a receiver, an artificial line conductor comprising a plurality of resistors connected at individual spaced portions of one branch of said circuit with one of the plurality in series with the first resistor, a plurality of condenser means connected to said spaced points parallel with said first resistor and to corresponding points along the other branch, connection means upon the latter branch adapted to be connected individually to a group of said detecting devices, means for compensating the phase shifts between the currents in the different branches according to the direction and velocity of travel of the sounds or mechanical vibrations, said means including in combination a commutator or collector comprising a body of revolution exhibiting in at least one part of its profile a concave circular curvature, means for causing said commutator to rotate about its axis of revolution, segments insulated from each other occupying the active surface of the commutator with the projections of said segments in adjacent parallel planes perpendicular to the axis of rotation of the commutator having the shape of parallel bands, a group of pivoted contact members individually adapted to be connected to said detecting devices and mounted to be swingable so as to make contact with different portions of the curved surface of said collector, means for causing each of said contact members to pivot in a radial plane passing through the axis of said collector around the center of the circular curvature thereof, a connection between each of said group of resistors and a corresponding segment on said collector, and means for adjusting the contact members with respect to the collector so that the projections of the same in a plane perpendicular to the axis of rotation

of said collector form a geometrical figure similar and corresponding to the relative projected distances of the corresponding detecting devices in the sound conducting fluid which are connected to said contact members and said other branch of said circuit.

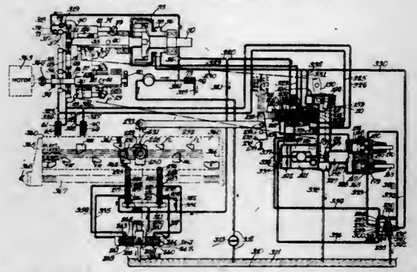
2,344,432

MECHANISM FOR ACTUATING MACHINE TOOL SUPPORTS

Gunnar A. Wahlmark, Rockford, Ill.

Application August 3, 1940, Serial No. 350,475

23 Claims. (Cl. 90—21.5)



1. A machine tool having, in combination, a movable support, pressure fluid operated means for moving said support, and means for controlling the supply of pressure fluid to said means comprising a main valve, an operating member connected to said valve and located adjacent to one longitudinal edge of said support, a first set of dogs on said support adapted to move said member in opposite directions and to various points to change the speed of the support, a piston and cylinder device for moving said member to the limit of its movement in opposite directions to reverse the support, means for controlling said piston and cylinder device to obtain snap action thereof through its mid-position including two dog operated valves and means for retarding the movement of the piston when away from its mid-position in the cylinder, and dogs on said support to operate the last mentioned valves.

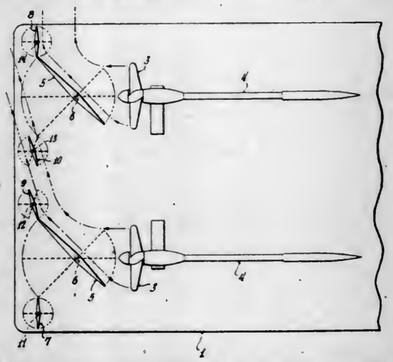
2,344,433

SYSTEM OF CONTROL FOR BOATS

Charles C. West, Manitowoc, Wis., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis.

Application October 14, 1943, Serial No. 506,128

8 Claims. (Cl. 114—163)



1. A system of control for a boat comprising a propeller, a main rudder located rearwardly of said propeller, a pair of auxiliary rudders located rearwardly of said main rudder with the auxiliary rudders positioned on opposite sides of said main rudder, and means for simultaneously turning said main rudder and said auxiliary rudders in the same direction with the auxiliary rudders turned through a greater angle than said main rudder, whereby the slip stream will be deflected by said main rudder and the deflected slip stream will again be deflected by the auxiliary rudder on that side towards which said main rudder is turned.

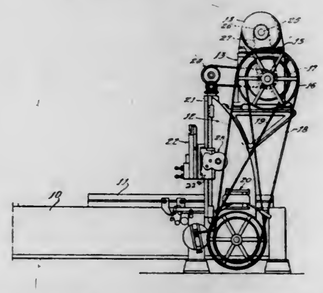
2,344,434

VARIABLE SPEED MECHANISM FOR MACHINE TOOLS

Albert W. Wigglesworth, Miami Beach, Fla., and Elwood R. Mons, Chicago, Ill., assignors to Hill-Clarke Machinery Co., Chicago, Ill., a corporation of Illinois

Application June 26, 1942, Serial No. 448,582

6 Claims. (Cl. 90—48)



1. In planers and other machine tools having a reciprocatable work table, a gearing housing, a constant speed motor driven shaft rotatably mounted in the housing, a shaft sleeved on the constant speed shaft, independent gears carried by said constant speed shaft and said sleeve shaft selective variable speed gearing mounted within the casing between the gears on said shafts for transmitting variable speed to said sleeve shaft when said constant speed shaft is rotated, manually adjustable means on the gear housing for moving said variable speed gearing into and out of mesh with the gears on said shafts for controlling the speed of said sleeve shaft, and independently operable means carried by each of said shafts beyond one end of the housing and connected to the work table for moving it in one direction at constant speed and in the reverse direction at one of a plurality of selected speeds.

2,344,435

INDEX MEANS FOR CHAIN WELDING MACHINES

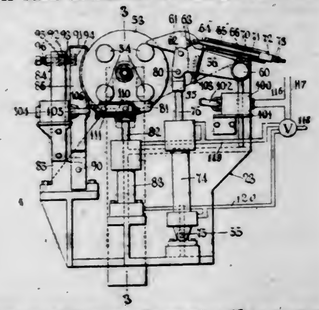
Otto W. Winter, Grand Island, N. Y., and Charles W. Middlestead, Warren, Ohio, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application December 3, 1941, Serial No. 421,478

11 Claims. (Cl. 74—142)

1. Index means for the chain feed wheel of a chain welding machine, comprising a shaft carrying said feed wheel, a bracket for said shaft, an index drum carried by said shaft, equidistantly spaced index rollers carried by said drum, a hydraulically operated index lever pivotally carried by said bracket for engagement with said rollers, means for operating said index lever to rotate

said wheel, hydraulically operated means coacting with said drum for locking said wheel in its



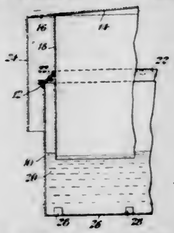
operative position, and constantly-engaging drag means for frictionally holding said drum in said operative position.

2,344,436

FLOATING ROOF STORAGE APPARATUS FOR VOLATILE LIQUIDS

Wilbur G. Laird, Pleasantville, N. Y.

Application August 6, 1940, Serial No. 351,631
7 Claims. (Cl. 220—26)



1. In an apparatus for storing large volumes of liquids and for reducing the loss due to the evaporation of stored liquids such as petroleum products, an upright cylindrical storage tank of large diameter, a sheet metal roof adapted to be floated by the liquid in the tank and to move verticallily relative to the side wall of the tank as the liquid level in the tank varies, said roof comprising a metal roof plate above and extending over the tank wall and two depending annular metal curtains secured to the roof plate near the periphery thereof, one of said curtains being inside near the tank wall secured in a fluid-tight manner to said plate and normally extending into and sealing in the stored liquid in the tank, the other curtain being outside and near the tank wall and adapted to enclose a substantial portion of the heighth thereof, and a resilient annular closure member interposed between the tank wall and one of said metal curtains enclosing the space above the liquid around the inside curtain, said closure member being adapted to permit the passage of gas into and from said space but adapted to prevent the free circulation of air into said space.

2,344,437

COMBINED GREETING CARD AND CONTAINER

Julius M. Lande, New York, N. Y.

Application April 21, 1943, Serial No. 483,829
8 Claims. (Cl. 229—37)

1. A greeting card formed from a generally rectangular blank having a pair of spaced. longitudinally-disposed fold lines substantially in the center thereof, and three unequally spaced, transverse fold lines between such longitudinal fold lines, each side of the blank being cut along lines forming extensions of the transverse fold lines, the blank being folded along the central



transverse fold line and folded along the two remaining transverse fold lines, and then folded along one of said longitudinal fold lines, thus forming a booklet with a plurality of offset pages, and greeting indicia contained on a plurality of said pages.

2,344,438

INSTRUCTIVE AND DEMONSTRATION APPARATUS OR TOY FOR THE CONSTRUCTION OF VARIOUS ELECTRIC MACHINES AND DEVICES

Maurice Latour, La Varenne-Saint-Hilaire, France; vested in the Alien Property Custodian

Application April 29, 1939, Serial No. 270,788
In France May 9, 1938
4 Claims. (Cl. 35—8)



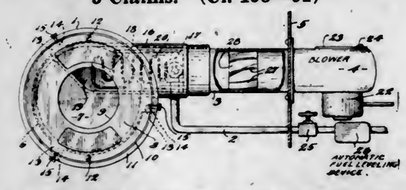
1. In an instructive and demonstration apparatus or toy for the construction of various electric machines and devices, a central removable member, a longitudinal rod for setting up a longitudinal axis, means for removably mounting said longitudinal rod on said member, radial rods for setting up radial axes, and means for removably mounting said radial rods on said member so that said radial rods are at right angles to the longitudinal rod and uniformly distributed about the latter so that the outer elements of the apparatus can be assembled by means of said rods, said outer elements being thus perfectly centered relatively to said central member and so that after dismantling said central member and said rods, the inner apparatus can be assembled which is thus perfectly centered relatively to the outer unit.

2,344,439

APPARATUS FOR BURNING LIQUID FUELS

Harry C. Lloyd, Syracuse, N. Y.

Application August 25, 1941, Serial No. 408,266
5 Claims. (Cl. 158—91)



1. Liquid fuel burning apparatus of the class described, comprising a housing forming a generally cylindrical, upright combustion chamber

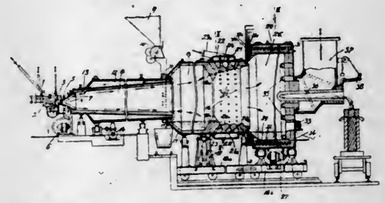
having an opening at its top and having an air inlet adjacent its bottom and projecting outwardly therefrom beyond the vertical wall of the housing, said air inlet opening into the combustion chamber at one side of the vertical axis of the same and arranged to direct the air along the wall of the housing with a whirling motion about its vertical axis, said housing having a well in the bottom of the projecting air inlet provided with a fuel inlet, said well including a dam between the fuel inlet and the combustion chamber within the housing, a second well in said housing at the bottom of the combustion chamber to receive fuel for combustion in the combustion chamber from the first mentioned well by overflow from the latter over the dam, a source of liquid fuel connected to the inlet of the first mentioned well, and a blower connected to the air inlet of the housing for directing air at relatively high velocity over the wells and with a rapid whirling motion within the combustion chamber to produce an intimate mixture of air and gases evolved on ignition of the fuel and cause complete combustion of the fuel in the form of an intense flame.

2,344,440

APPARATUS FOR DIRECTLY PRODUCING METALS FROM ORES

Julius Lohse, Berlin, Germany; vested in the Alien Property Custodian

Application October 26, 1940, Serial No. 363,041
In Germany April 4, 1936
14 Claims. (Cl. 266—10)



1. A rotary furnace plant of the character stated comprising, a rotary smelting drum, a rotary collecting and slag separating drum, and a rotary fining drum, said rotary drums being arranged for turning on a common axis, the drums having directly connected openings whereby a constant flow of molten material may proceed through the drums a flame producing burner directed axially into the smelting drum, means for feeding disintegrated screened ores into the smelting drum with the flame of said flame burner and for supplying said burner with a reducing agent, said fining drum being fitted with air tuyéres, means for feeding coarser ore material into said smelting drum adjacent to but in front of said burner, and means between said collecting drum and said fining drum for transferring the molten material in the form of a shallow stream into said fining drum.

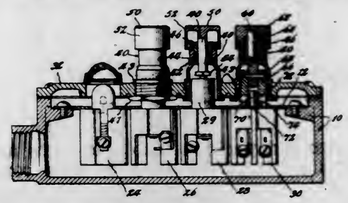
2,344,441

INTERCHANGEABLE ELECTRIC APPARATUS

Charles Henry Lorenz, New Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application December 11, 1940, Serial No. 369,689
9 Claims. (Cl. 175—307)

1. In a weather-proof assembly of individual differently constructed and differently operated electric units selected from a group including push buttons, transfer switches, reversing switches, pilot lights, and the like, a supporting member having apertures therein to interchangeably receive any of a plurality of said different individual electric units, means to secure said different units interchangeably on said member, a member overlying and protecting said units and their support and having openings for actuating means overlying said units, similar weather-proof members mounted in said openings, and different actuating means supported and movable within said weather-proof members and engaging said different units to operate them from the outside of said protecting member, said actuating means being interchangeably positionable in any of said weather-proof members.

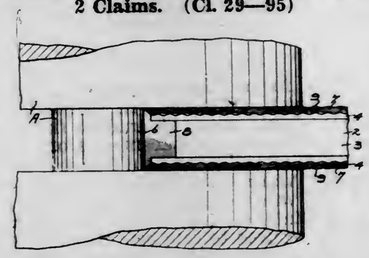


2,344,442

CUTTING-OFF BLADE

John M. Luers, Mount Clemens, Mich., assignor to John Milton Luers Patents Incorporated, Detroit, Mich., a corporation of Michigan

Application February 20, 1942, Serial No. 431,702
2 Claims. (Cl. 29—95)



1. A blade having a narrow body and a wider head extending along one edge, a cutting surface formed along the outer edge face of the head throughout the length of the latter and having a cutting edge across its front extremity, the front of the blade being inclined rearwardly from the cutting edge, and the opposite sides of the head being inclined inwardly from the cutting surface and having ground grain paths thereon which are inclined rearwardly from said cutting surface.

2,344,443

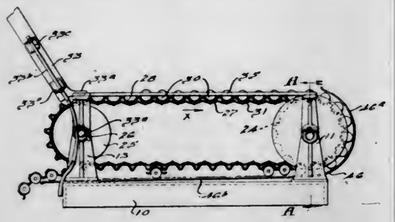
CARTRIDGE CLIP LOADING MACHINE

Alvin C. McCord and Alfred W. Gardes, Detroit, Mich., assignors to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine

Application June 30, 1942, Serial No. 449,134
20 Claims. (Cl. 86—48)

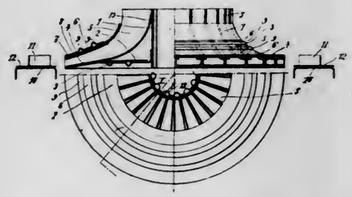
1. A machine of the character described comprising a continuous flexible sheet metal conveyor belt having a plurality of open troughs into which a plurality of cartridges are adapted to be seated, means for feeding cartridge holding links to said troughs, a rotatable drum having a plurality of alternate grooves and projections in its periphery conforming to the contour of said

belt for engaging and driving said conveyor belt and cam means for pushing said cartridges to a



pre-determined position into said clips as said cartridges are carried along by said conveyor belt.

2,344,444
CONSTRUCTION OF TURBOMACHINES
Jérémi Malczewski, Lyon, France; vested in the Alien Property Custodian
Application September 26, 1941, Serial No. 412,528
In France March 29, 1940
7 Claims. (Cl. 230—134)



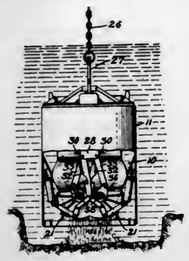
1. A rotor for a turbo-machine of the type described which comprises, in combination, a cylindrical central sleeve, an annular flange plate secured to said sleeve adjacent one of the ends thereof, circular ridges on said flange plate, and a plurality of vanes carried by said central sleeve, each of said vanes comprising a box-like structure substantially U-shaped in cross section, said vanes being secured to said central sleeve and to said annular flange plate along the bottom of the U.

2,344,445
MATERIAL FOR CHARGING FURNACES
Bernard Mansfield, Tottenville, N. Y., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1942, Serial No. 469,802
8 Claims. (Cl. 75—86)

1. A charge for an inclined, indirectly heated furnace for the distillation of zinc, which consists of a uniform mixture composed of crushed zinc bearing materials, coal screenings, and coke divided into lumps having a diameter of at least 2 inches but not substantially more than 6 inches.

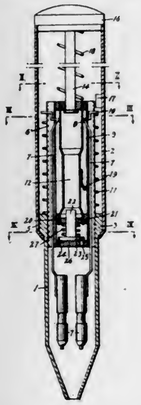
2,344,446
APPARATUS FOR DEPOSITING MATERIAL UNDER WATER
Edwin O. Martinson, Champaign, Ill., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation of Illinois
Application June 24, 1943, Serial No. 492,048
13 Claims. (Cl. 294—71)

2. In an apparatus of the type described, the combination of a bucket having a closure, means for opening said closure while the bucket is im-



mersed, and means rendering the first-mentioned means operative to open said closure only when said bucket is immersed.

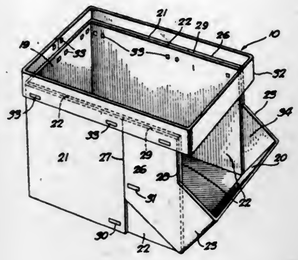
2,344,447
MULTIPLE MECHANICAL PENCIL
Georg Meier, Nuremberg, Germany; vested in the Alien Property Custodian
Application April 15, 1941, Serial No. 388,680
In Germany May 2, 1939
7 Claims. (Cl. 120—14)



1. A multiple-mechanical pencil comprising a casing for writing material carriers, means secured to each of said carriers to move a selected carrier to writing position, a movable feeding member to actuate said means, a stop member, a rotatable member, on which the stop member is mounted, for so positioning said stop member that it co-acts with the moving means of a selected carrier, to hold such moving means in the writing position and a spring to move the carrier back to non-writing position when the rotatable member is rotated to displace the stop member.

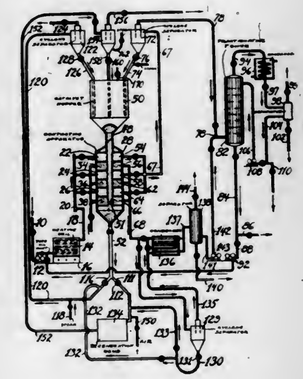
2,344,448
FIBERBOARD RECEPTACLE
Claude W. Oakes, Naperville, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1942, Serial No. 470,074
4 Claims. (Cl. 229—16)

1. A receptacle having a main body formed from an integral fiberboard blank comprising a bottom, inner side, rear and front walls attached to said bottom, said rear wall having attached outer side walls foldable into abutting relation with and partially covering said inner side walls, said front wall being outwardly inclined to provide a mouth to receive and discharge articles and having attached outer side walls foldable into abutting relation with and



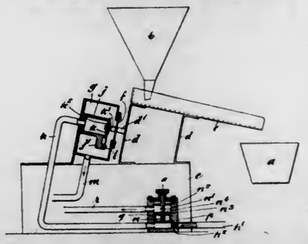
partially covering said inner side walls, and a strip surrounding and secured to said rear and side walls and extending above upper aligned edges thereof and spaced forwardly of vertical edges of said front and bottom walls for preventing lateral and longitudinal movement of a similar receptacle stacked thereon.

2,344,449
TREATING HYDROCARBON FLUIDS
Henry J. Ogorzaly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 5, 1941, Serial No. 386,958
9 Claims. (Cl. 196—52)



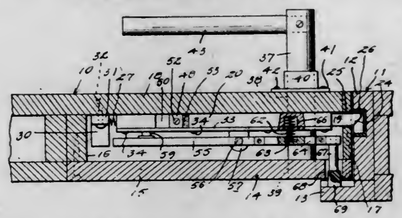
1. A method of treating hydrocarbon fluids which comprises moving a bed of catalyst particles through a contacting zone, contacting the moving catalyst particles first with hydrocarbon vapors heated substantially to a conversion temperature whereby catalytic conversion of higher boiling hydrocarbons to lower boiling hydrocarbons takes place, immediately purging the moving catalyst particles in said contacting zone following the conversion step to remove heavy adsorbed hydrocarbon molecules from the catalyst particles and then repeating the conversion and purging steps in said contacting zone until the activity of the catalyst particles is materially decreased and it is necessary to regenerate the catalyst particles.

2,344,450
VIBRATORY FEED CONTROL MECHANISM
Alfred Ernest Page, Birmingham, England, assignor to W. & T. Avery Limited, Birmingham, England
Application May 15, 1943, Serial No. 487,083
In Great Britain April 16, 1942
6 Claims. (Cl. 198—220)



1. A vibratory control mechanism associated with a pneumatic control of feed supply for powdery or farinaceous materials, comprising a valve controlled supply pipe line, a cylinder into which air under pressure is emitted from the pipe line, a reed valve controlling the outlet from the said cylinder, an exhaust box containing said cylinder and reed valve, a flexible diaphragm forming a closure wall of the exhaust box, means mounted on the reed valve for transmitting the vibratory motions of the reed valve to the said diaphragm, and means for transmitting the vibratory motions of the diaphragm to a flexible support for a feed plate.

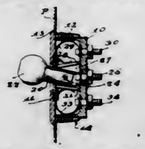
2,344,451
DOOR LATCH
Charles Trumbo Pankhurst, Ionia, Mich.
Application October 10, 1941, Serial No. 414,510
1 Claim. (Cl. 292—335)



A door latch for mounting on a swinging door comprising an endwise movable bolt having a slot in one edge thereof and a keeper formed in one side thereof adjacent the inner end, a housing for said bolt, spring means constantly urging said bolt to an extended position, means for shifting said bolt to a retracted position, a bolt holding rock lever, means pivotally supporting said lever between the ends of the latter, a resilient bolt holding member carried by said lever and engageable with said keeper for releasably holding said bolt in retracted position, an upstanding plate carried by said lever, guide means for said bolt, a spring engageable with said plate and said guide means for constantly urging said lever to a bolt holding position, an arm fixed to said lever on the side thereof opposite from said holding member and adjacent the end of said lever opposite from said holding member, said door having an opening in which said arm loosely engages, the outer end of said arm being inwardly from the adjacent face of the door when

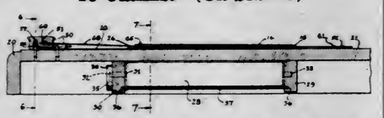
said lever is in latched position, and a resilient button fixed to the door frame engageable with said arms within said opening for rocking said lever to a bolt releasing position upon closing of the door.

2,344,452
SWITCH
John B. Parsons, Toledo, Ohio
Application October 20, 1942, Serial No. 462,675
4 Claims. (Cl. 200—6)



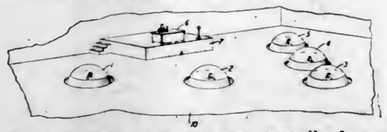
1. Switch mechanism comprising a housing having three binding posts arranged in a row, a switch arm pivotally mounted intermediate its ends and having a portion loosely straddling the center binding post for engagement therewith upon rocking movement in one direction or the other, and means whereby rocking of the switch arm in one direction establishes an electrical connection between the center binding post and one of the end posts and whereby rocking of the switch arm in the opposite direction establishes an electrical connection between the center post and both end posts.

2,344,453
COLLATING AND POSTING DEVICE
Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application May 31, 1943, Serial No. 489,190
18 Claims. (Cl. 282—3)



1. A collating and posting device having a variable writing line and being adapted for use in posting items on a plurality of sheets positioned thereon in superimposed relation with transfer means therebetween having in combination, a base affording a writing bed, means on the upper surface of said base adapted to receive and removably retain a master sheet having successive lines upon which entries are to be posted, an auxiliary sheet holding unit slidably mounted on the upper surface of said base for longitudinal movement with respect to the underlying master sheet, said auxiliary unit including a manual grip bar and carrier means supported by the bar adapted to receive and removably retain a record sheet having a line upon which entries are to be posted, a series of longitudinally spaced guide pins arranged on said base and projecting above the plane of the upper surface of the base, said grip bar having a longitudinal groove formed therein and adapted to engage said series of pins to guide said auxiliary unit through its path of movement, said grip bar also having a series of centering recesses spaced to substantially correspond with the spacing of the entry lines of the master sheet, and a locating pin supported on said base for cooperation with any one of the recesses of said series in said bar and being adapted to position said auxiliary unit with the entry line of the record sheet supported thereon in register with a predetermined entry line of the underlying master sheet.

2,344,454
TRAINING DEVICE
Loyd D. Plotner, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1942, Serial No. 468,985
15 Claims. (Cl. 35—12)



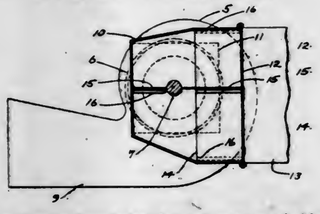
1. In a device of the class described, a movable compartment for holding a trainee comprising a spherical shell supported by floating on a body of liquid, a restraining ring less in diameter than the greatest diameter of said spherical shell for holding the center point of said shell stationary and means acting on the surface thereof to move said shell in any direction about its center point.

2,344,455
CHAIN
Sidney J. Bertherman, Chepachet, R. I., assignor to L. & B. Jewelry Manufacturing Company, a corporation of Rhode Island
Application April 14, 1942, Serial No. 438,866
2 Claims. (Cl. 59—80)



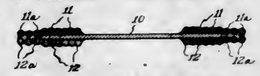
1. In a linkage of units for articles of personal wear, each unit comprising a pair of sheet stock links arranged in parallel planes one above the other and pivoted together at their centers to move one relative to another each in its own plane, one of said links being provided with T-headed studs extending upwardly at right angles to the general plane of the link, the other of said links having openings inwardly from the edge of the link of a size to receive said T-headed studs therethrough, and a tongue movable from and into a portion of said opening, said units being connected together by the T-headed studs of one unit passing through the openings in the link of the next unit to pivotally connect the units and links in lazy tong relation, the T-heads of said studs being blocked from disengagement by said tongues in said openings.

2,344,456
INLET BOX FOR CENTRIFUGAL FANS
John Cassie, Dedham, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application July 10, 1942, Serial No. 450,369
5 Claims. (Cl. 230—132)



1. A rectangular inlet box for a centrifugal fan having a shaft, said inlet box having an outlet arranged centrally around said shaft and having an inlet extending in a plane substantially parallel to said shaft, a vane in said box extending from said inlet, substantially perpendicular to said plane and said shaft and terminating short of said shaft, and a second vane in said box extending substantially perpendicular to said first mentioned vane, said second vane extending in a plane intersecting said shaft from said inlet to the opposite side of said box and having an opening therein for the passage of said shaft therethrough.

2,344,457
COMPOSITE RIBBON
Adolph G. Christ, Chicago, Ill., assignor to Chicago Printed String Co., Chicago, Ill., a copartnership consisting of Charles Weiner, Martha Weiner, Otto Vogl, and Margaret Vogl
Application June 27, 1942, Serial No. 448,770
6 Claims. (Cl. 154—43)



1. In a composite flexible ribbon; a flexible relatively thin base band; a group of substantially adjacent parallel threads mounted longitudinally along one face of said base band so that a part of said adjacent threads lie beyond one or both lateral edges of said base band; a second group of parallel threads mounted longitudinally adjacent the other face of said base band so that some of the threads thereof lie beyond the lateral edges of said base band; and an adhesive material bonding some of the threads of both said groups upon the opposite faces of said base band and bonding together the threads of both said groups lying beyond the lateral edges of said base band.

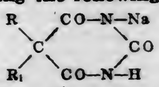
2,344,458
MANUFACTURE OF FOOTWEAR
Gerald S. Colella, Haverhill, Mass., assignor of one-half to Samuel Merker, Haverhill, Mass.
Application March 10, 1943, Serial No. 478,622
2 Claims. (Cl. 12—142)



1. Method of making shoes which comprises as steps providing a quarter lining and a flat counter blank, the counter blank being of less superficial area than the lining, so assembling the lining and blank that the curved margin of the lining projects beyond that of the counter blank, uniting the lining and blank, moulding the unit thus formed to the shape of the rear end of the shoe which is to be made, inserting the moulded unit within the rear end portion of the upper, stitching the exposed margin of the quarter lining to the upper, and thereafter lasting the upper.

2,344,459
METHOD OF PREPARING 1-(SUBSTITUTED ALKYL)-5,5-DISUBSTITUTED BARBITURIC COMPOUNDS
Henry R. Henze, Austin, Tex., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application March 21, 1941, Serial No. 384,590
1 Claim. (Cl. 260—257)

The method of preparing a 1-(substituted alkyl) - 5,5 - disubstituted barbituric compound which comprises reacting a sodium 5-R-5-R_1 barbiturate having the following formula:

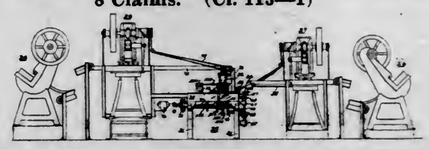


in which R is selected from the class which consists of the phenyl group, primary alkyl groups having from 2 to 5 carbon atoms, and secondary alkyl groups having from 3 to 5 carbon atoms, and R_1 is selected from the class which consists of allyl and ethyl groups with a chloroalkanol having the following formula:

$$Cl—R_2—OH$$

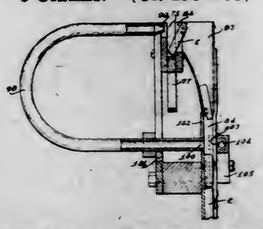
in which R_2 is a lower alkyl group.

2,344,460
MACHINE FOR ASSEMBLING METAL CONTAINERS
Louis Hermani, Baltimore, Md., assignor to Owens-Illinois Can Company, a corporation of Delaware
Application September 28, 1940, Serial No. 358,865
8 Claims. (Cl. 113—1)



1. Apparatus of the character described comprising, a vertical guideway at a body and cover assembling station having an open upper receiving end and a lateral discharge opening at its lower end, said last named opening being located substantially at the point of assembling the body and cover, means for delivering container covers to the upper end of said vertical guideway, mechanism for holding a stack of such container parts in the guideway and on edge above the discharge opening and releasing them one at a time for register with said opening, and mechanism for moving the container covers one at a time through said opening and solely by such movement finally assembling them with the bodies at said station.

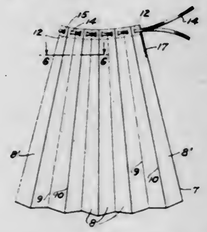
2,344,461
ORIENTING MECHANISM
Louis Hermani, Baltimore, Md., assignor to Owens-Illinois Can Company, a corporation of Delaware
Original application September 28, 1940, Serial No. 358,865. Divided and this application June 19, 1942, Serial No. 447,627
6 Claims. (Cl. 198—33)



1. In apparatus of the character described, a vertical guideway having an open upper receiving end and a discharge opening at its lower end, said last named opening being located adjacent to one side of a container parts assembling station, means for delivering container

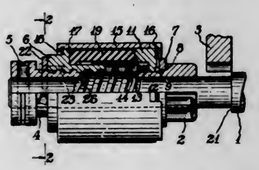
parts to the upper end of said vertical guideway including a horizontal conveyor arranged in proximity to the upper end of said guideway, means for directing a stream of air under pressure across the conveyor just above the vertical guideway to thereby discharge the container parts one at a time from the conveyor into the receiving end of said guideway, and means whereby the accumulation of a predetermined number of container parts in said vertical guideway automatically shuts off the flow of air under pressure.

2,344,462
PLAITED SKIRT
Joe Koret, San Francisco, Calif.
Application March 15, 1943, Serial No. 479,184
3 Claims. (Cl. 2—211)



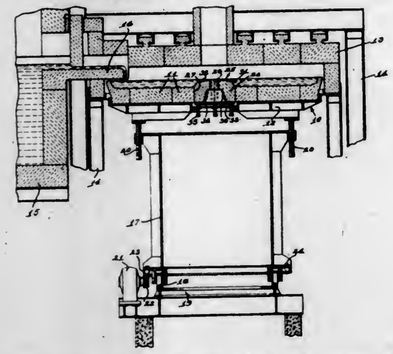
1. A skirt provided with a series of vertically extending accordion-like foldable plaited sections formed therearound, the plait lines of the sections extending from the extreme upper edge of the waist portion of the skirt to the lower edge of the skirt, and the sections tapering toward their upper ends, and wider sections interposed in the plaited sections at diametrically opposite points of the skirt so that the plaited sections may be folded flat into two adjacent stacks connected across at opposite sides of the two stacks by said wider sections respectively, and a lace passing in and out of openings in adjacent sections at the upper margin of the skirt guiding the sections to folding flat in the manner set out, said lace serving as the sole means for holding said plaited sections in their stacked relation.

2,344,463
ENGINE STARTER GEARING
Clinton S. Janes, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 20, 1943, Serial No. 473,001
7 Claims. (Cl. 74—7)



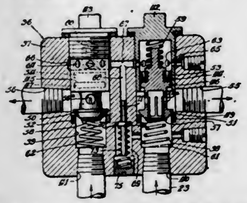
1. In an engine starter drive a pinion, means for moving the pinion into and out of engagement with a gear of an engine to be started and for rotating the pinion to crank the engine, means for holding the pinion in engagement with the engine gear until the moving means is rotated above a predetermined speed, and means for thereafter holding the pinion in mesh until the moving means is decelerated below a predetermined lower speed.

2,344,464
REVOLVING POT FOR GLASSWARE MANUFACTURE
Albert G. Lauck, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application July 16, 1942, Serial No. 451,149
7 Claims. (Cl. 49—56)



1. In combination, a revolving pot mounted for rotation about a vertical axis, said pot including a bottom and upstanding marginal rim, said bottom having an axial opening, and an insert arranged in and filling said opening and having a central vertical outlet passageway therethrough, said insert extending upwardly into the pot to a point substantially in the plane of the upper surface of said rim and provided with radial overflow channels in its upper face extending from the passageway to the periphery of the insert to conduct surface glass to the former.

2,344,465
FLOW EQUALIZER
John A. Lauck, South Euclid, Ohio, assignor to Pesco Products Co., Cleveland Ohio, a corporation of Ohio
Application February 26, 1943, Serial No. 477,293
9 Claims. (Cl. 137—144)



1. Means for equalizing the inlet pressure in a plurality of separate pressure fluid passages, normally receiving fluid under pressure from separate conduits in which the respective pressures may vary within equalizable limits, irrespective of variations in pressure to which the outlet of said passages is subjected, comprising: separate fluid pressure operable throttle valves associated respectively with each of said passages and arranged to provide variations in the restriction to flow through said passages, each of said throttle valves including a piston for positioning the same, said piston being subject on one side thereof to the pressure in its associated outlet, and at its other side to pressure in a chamber formed at its other side; means providing for limited one-way flow of pressure fluid around said piston from the associated outlet into said chamber; a passageway interconnecting the chambers of said throttle valves, the arrangement being

such that an increase in pressure in one of said outlets in excess of that in another will be transmitted to the chamber having the lower pressure to effect a throttling action of its valve to restrict flow to its associated outlet to thus equalize the pressures in the inlets of said passages; and means for relieving a given excess of pressure in said chambers relative to the pressure in one of said passages.

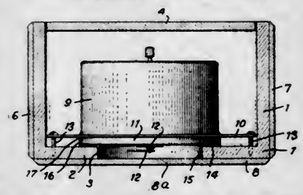
2,344,466
CATALYTIC ISOMERIZATION
Kenneth C. Laughlin, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 20, 1939, Serial No. 310,166
16 Claims. (Cl. 260—683.5)

1. A process for isomerizing normal paraffin hydrocarbons, comprising subjecting the normal paraffin to the action of a metal and a halogen-containing compound capable of reacting with the metal to form metal halide whereby a nascent Friedel-Crafts catalyst is prepared in situ the reaction being carried out in the absence of extraneously produced metal halide.

2,344,467
CATALYTIC ISOMERIZATION
Edward D. Reeves, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 31, 1939, Serial No. 292,779
14 Claims. (Cl. 260—683.5)

1. A process for isomerizing normal paraffin hydrocarbons comprising subjecting normal paraffin hydrocarbons containing at least 4 carbon atoms per molecule under isomerization reaction conditions to the action of powdered metal of the group consisting of aluminum, iron and zinc and a halogen-containing substance capable of reacting with the metal to form a metal halide, whereby a Friedel-Crafts catalyst is prepared in situ the reaction being carried out in the absence of extraneously produced metal halide.

2,344,468
CLOCK
Walter H. May, Pelham Manor, N. Y., assignor to Carlin Comforts, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 428,517
5 Claims. (Cl. 58—53)



1. A clock comprising a case having a front panel having an aperture therein, a transparent panel mounted on the outside face of said front panel and covering said aperture, a casing containing a clock movement, a clock dial, a plate interposed between said casing and said dial, said casing, plate and dial being secured together as a unit, and means for securing said plate to said case with said dial held against the inside face of said front panel behind said aperture, so that said dial may be visible through said aperture and through said transparent panel, said plate being spaced from the front panel of said case by said dial.

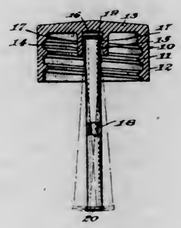
2,344,469
ALKYLATION PROCESS
Sumner H. McAllister, Lafayette, and William E. Ross, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 28, 1940, Serial No. 367,567
12 Claims. (Cl. 260—683.4)

12. In a process for producing an alkylation product by reacting an alkylatable hydrocarbon with an alkylating agent in the presence of an inorganic sulfur acid alkylation catalyst, the method of increasing the effective life of said catalyst which comprises contacting at least one of said reactants with a hydrocarbon-insoluble strong carboxylic acid and separating the acid from the reactant prior to contacting said reactant with said catalyst.

2,344,470
PAPER TREATMENT
Harold S. Mitchell, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 30, 1939, Serial No. 253,597
4 Claims. (Cl. 99—171)

4. The method of packaging food products containing fatty substances normally tending to deteriorate on standing, which comprises packing said product in a paper container having incorporated therein phosphoric acid in sufficient amount to substantially retard such deterioration.

2,344,471
CLOSURE AND APPLICATOR ROD ASSEMBLY
Stephen T. Moreland, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Delaware
Application October 7, 1941, Serial No. 413,999
2 Claims. (Cl. 15—140.3)

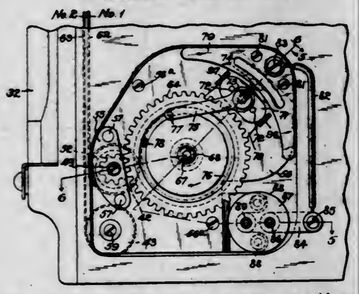


1. In combination, a closure including a top portion, a depending attaching skirt at the margin of the top portion, an annular depending wall axially of and concentric with said skirt and disposed within said closure to form a well having an open end, protuberances internally of said well, said protuberances being spaced from the open end of the well and extending radially inward from the wall, and an applicator rod having a head at one end for reception in said well, said rod being of less diameter than the well and said head being of slightly greater diameter than the distance between certain of the protuberances and less than the diameter of the well, said head also being of less axial length than the distance between the protuberances and bottom of the well.

2,344,472
PHOTOGRAPHIC FLASH SYNCHRONIZER EQUIPMENT

Oscar Steiner, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application November 14, 1942, Serial No. 465,559
2 Claims. (Cl. 67—29)

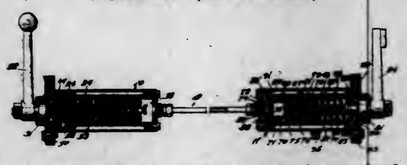


1. Means for effecting synchronization of the flash of a photoflash lamp with the shutter action of a two-curtain shutter itself having means providing a variable exposure slot or aperture, such means including the following parts: a camera having a photoflash lamp; an electric circuit applied to said camera and including said lamp and also including contacts for closing said circuit in effecting synchronization; a shutter comprising two separate, adjacent, sliding curtains each provided with its own shutter-curtain rewind roller and its own take-up tension roller; such shutter having means for varying the effective size of the single-exposure opening provided by said two curtains; and means for controlling such synchronization from the take-up tension roller of one of said curtains and including adjusting means to vary the exact instant for completing the circuit and the flashing of the photoflash lamp with relation to the instant the shutter composed of said two curtains is open, so that the conjoint result of said adjustments is to cause the electrical contact to occur at such time that, when using a flashlamp with a very short ignition time, such flashlamp is ignited very briefly (i. e., substantially five milliseconds) before the sensitized-material aperture of the camera is entirely uncovered, whereby synchronization of such a flashlamp having substantially a five millisecond ignition time is effected, in making an instantaneous exposure, when using an aperture provided by the said two curtains that is of a width equal to that of the picture-taking aperture of the sensitized-material holder of the camera, as contrasted with synchronization effected during a time exposure when using a multiple-aperture, single, focal-plane curtain.

2,344,473
REMOTE CONTROL APPARATUS

Robert Stevenson, Barrington, and Alexander W. Keema, Providence, R. I., assignors to Merit Engineering, Inc., a corporation of Rhode Island

Application October 5, 1942, Serial No. 460,794
7 Claims. (Cl. 60—54.6)



1. An actuating unit for a remote control apparatus comprising a casing containing actuating liquid, a piston movable in said casing for controlling said liquid, a rotatable shaft, and threaded means between said shaft and piston to cause axial movement of the piston upon rotary movement of the shaft, a reserve supply of liquid, and means including a valve in said piston to abut the end of said shaft and communicate the reserve supply with the actuating liquid upon movement of the piston to its retracted position.

2,344,474
TWO-WAY PLOW

Willard H. Tanke, La Crosse, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application February 8, 1941, Serial No. 377,963
6 Claims. (Cl. 97—47)



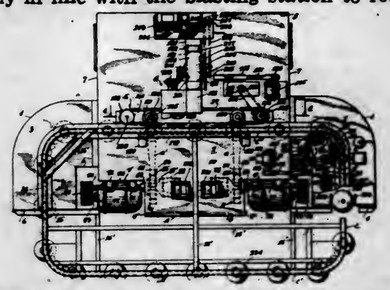
1. In a lift mechanism for agricultural implements; a rock shaft, first and second axially spaced arms mounted on said shaft, first and second depending links connected, respectively, to said arms at predetermined radial spacings from the axis of said shaft, a transverse member connected to said first and second depending links for lengthwise shifting movement axially of said shaft, a first link section universally swingable about a center on said second arm at a different radial spacing from the axis of said shaft than said second depending link, another link section universally swingable about a center fixed on said transverse member near the point of connection of said first depending link with said transverse member, said first and second link sections being connected with each other for relative movement in the direction of a line extending through said centers, and means to limit relative movement of said link sections, whereby rocking movement of said shaft will be effective to move said transverse member simultaneously lengthwise and vertically relative to said shaft.

2,344,475
ABRADING APPARATUS

David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application December 31, 1941, Serial No. 425,082
19 Claims. (Cl. 51—9)

1. In blast cleaning apparatus including a blasting station, a work-supporting carrier, means for transporting said carrier along a predetermined path, said work-supporting carrier including a carriage portion, a work-supporting spindle, means rotatably connecting said spindle to said carriage, and a sprocket operatively connected to said spindle, a continuous drive chain having an outer run and an inner run positioned along the path of travel of said spindle sprocket, means for driving said drive chain to rotate said work-supporting spindle during its advance movement, and means including a freely rotating contact disc positioned between the inner and outer runs of said drive chain substantially in line with the blasting station to receive

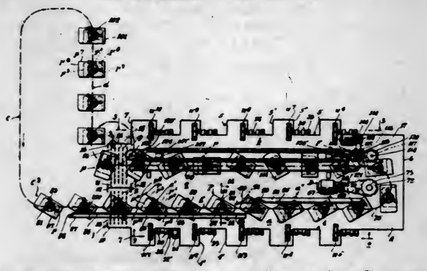


side thrust exerted on the carrier at the blasting station, said disc being arranged to bulge the inner sprocket engaging run of said chain to facilitate engagement of said spindle sprocket with said chain.

2,344,476
ABRADING APPARATUS

David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application December 31, 1941, Serial No. 425,083
14 Claims. (Cl. 51—9)



1. In blast cleaning apparatus, a track, a carriage suspended from, and movable along, said track, a work-supporting spindle rotatably supported by said carriage, an odd number of equally spaced radially extending guide arms fixed to said spindle, a guide roller rotatably mounted on each of said arms, a substantially straight guide track extending along one side of the path of advance of said carriage adapted to provide a guide for a pair of adjoining rollers and preventing lateral movement of said spindle, a substantially straight guide track extending beyond and along the other side of the path of advance of said carriage adapted to provide a guide for another pair of adjoining rollers, and a stationary member positioned between the adjacent ends of said guide tracks for engaging the roller on one of said guide arms to rotate said spindle through a predetermined arc of less than 360°.

2,344,477
GLOVE

William O. Wells, Jr., Evanston, Ill., assignor to Wells Lamont Corporation, a corporation of Minnesota

Application August 16, 1941, Serial No. 407,208
3 Claims. (Cl. 2—159)

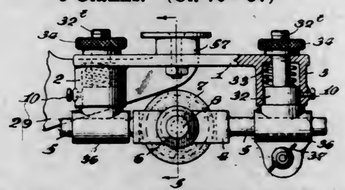
1. A cloth driving glove having thumb and finger portions, and means for increasing the gripping properties of the glove including a leather patch secured to the local upper palm area with its upper edge located at the bases of the middle fingers, said patch being of a width to lie only within spaced vertical lines intersecting the respective crotches between the index and long middle fingers and between the smaller middle and little fingers, thereby facilitating flexing of the glove along said vertical lines at said finger crotches, and being of a length to extend substantially only to a horizontal line at the base of the crotch between the thumb and index finger so as to leave exposed the cloth lower palm area below the patch and facilitate flexing of such area, and laterally spaced leather gripping strips secured to and extending up the front of the two middle fingers from the upper edge of the patch.



2,344,478
APPARATUS FOR SHARPENING SAWS

Elbert C. Yow, Washington, D. C.

Application August 27, 1943, Serial No. 500,251
9 Claims. (Cl. 76—37)

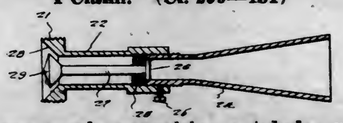


1. An adapter for attachment to a saw sharpening machine of the reciprocating tool type embodying a crosshead adapted to execute vertical movements and an indexing means operated thereby for intermittently advancing the saw, comprising a depending bracket attached to the forward end of said crosshead and provided with sleeved extensions at the front and back thereof extending in a downward direction, a holder adjustably mounted in each of said extensions provided with a bearing extending transversely to the axes of said extensions, said bearings being arranged coaxially with each other, a tool carrier having ends for mounting in said bearings, a rotary grinding wheel rotatably mounted in said tool carrier, and means for rotating said wheel to sharpen the teeth of a saw as said crosshead is brought into engagement therewith.

2,344,479
FIRE EXTINGUISHER

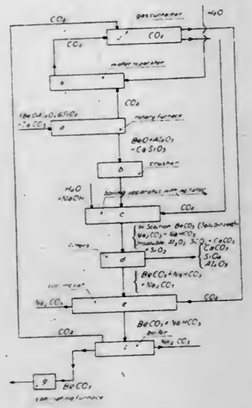
Michael J. Sullivan, New York, N. Y.

Application March 17, 1942, Serial No. 435,086
1 Claim. (Cl. 299—131)



A spray nozzle comprising a tubular member adapted for attaching to a hollow body with one end of the member projecting into the body, a flared extension adjustably connected to the inner end of the member, said member having a flared valve seat at its outer end, and a valve carried by the extension for axial movement in the member into and out of engagement with the valve seat.

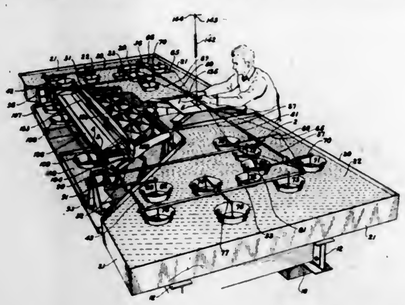
2,344,480
PROCESS FOR OBTAINING SOLUBLE BERYLLIUM COMPOUNDS STARTING FROM ORES CONTAINING BERYLLIUM
Carlo Adamoli, Milan Italy, assignor to Perosa Corporation, Wilmington, Del., a corporation of Delaware
Application February 10, 1941, Serial No. 378,218
In Italy July 20, 1936
5 Claims. (Cl. 23—19)



1. A process for obtaining beryllium oxide starting from beryllium silicate ores, comprising the steps of roasting the ore with an attacking agent, comprising at least one alkaline-earth compound of the class consisting of the anhydrous oxides, hydrates and carbonates in amount sufficient to convert the silica of the ore into alkaline-earth silicate, at a temperature high enough to sinter but low enough to avoid fusion of the mass, treating the reaction product containing beryllium oxide and alkaline-earth silicate in the presence of an aqueous phase and at elevated temperature with an alkali-metal compound capable of reacting with the beryllium oxide to convert it to beryllium hydroxide, and of reacting with the alkaline-earth silicate to form a soluble silica compound, treating the product with CO_2 at elevated temperature to convert the beryllium hydroxide into insoluble beryllium carbonate and form alkali metal carbonate, lowering the temperature and treating the product with CO_2 whereby a portion of the alkali metal carbonate is converted to alkali metal bicarbonate and the insoluble beryllium carbonate is solubilized, separating the solution containing solubilized beryllium carbonate and alkali metal carbonate and alkali metal bicarbonate from the insoluble compounds, precipitating beryllium carbonate from the solution and calcining it to obtain beryllium oxide.

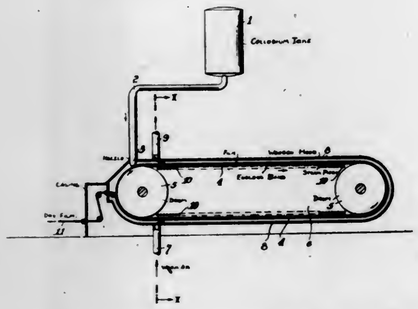
2,344,481
ENGRAVING MACHINE
Arthur B. Simmons, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 11, 1942, Serial No. 438,640
22 Claims. (Cl. 33—25)

1. A pantograph for connecting the stylus and engraving tool of an engraving machine and comprising a plurality of hinged links connecting the stylus and engraving tool, each of said hinges comprising a pair of spaced bearing members one carried by each link, each pair of bearing members including facing countersunk portions and a single ball lying in both countersunk



portions on which one link may turn relatively to another, and means spaced from the hinges for holding the counter-sunk portions in vertical alignment.

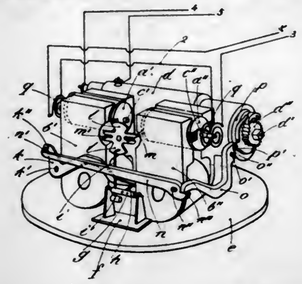
2,344,482
MANUFACTURE OF FLEXIBLE SHEET MATERIAL
Remi Gustave Tritsmans and Serge Hendricx, Mortsel, near Antwerp, Belgium; vested in the Alien Property Custodian
Application November 15, 1939, Serial No. 304,632
In Great Britain November 25, 1938
2 Claims. (Cl. 18—57)



1. The method of forming flexible films for light-sensitive materials which comprises spreading a solution of a transparent film-forming compound in a volatile organic solvent into a thin layer and applying heat simultaneously on both surfaces of that layer, however keeping the temperature at one surface below, while raising the temperature at the other surface above the boiling point of the solvent.

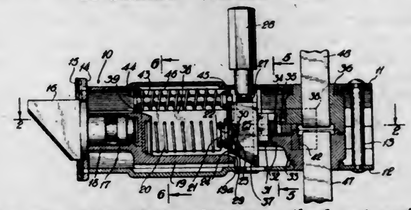
2,344,483
SUBMARINE MINE
Pasquale Borracci, Florence, Italy; vested in the Alien Property Custodian
Application July 22, 1939, Serial No. 285,850
In Sweden and the Netherlands June 27, 1939
3 Claims. (Cl. 102—18)

1. In an apparatus actuated by an electric current for firing a mine, a base, means mounted on said base forming a magnetic field, an electric circuit comprising two coils in series in the circuit, said coils being mounted on supporting means to rotate on a common axis in said magnetic field, the coils being so wound and connected that the current circulates in opposite directions in the coils resulting in rotation of said coils in opposite directions in said magnetic field, said coils and supporting means each being balanced with respect to the axis of rotation, means for firing the mine, biased to firing position, a releasable detent restraining said firing means, and means whereby movement of said coils in opposite directions releases said detent,



said releasing means comprising a rotary member having an opening therein and mounted on said base, connections between said coils and rotary member for turning said rotary member on rotation of said coils in opposite directions and operating connections between said rotary member and detent including a part movably mounted on said base and bearing against said rotary member and movable into said opening to release said detent on rotation of said rotary member.

2,344,484
TUBULAR LOCK
Charles Ledin, Stamford, Conn., and John P. Andrew, New Rochelle, N. Y., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application March 29, 1941, Serial No. 385,824
13 Claims. (Cl. 292—169)

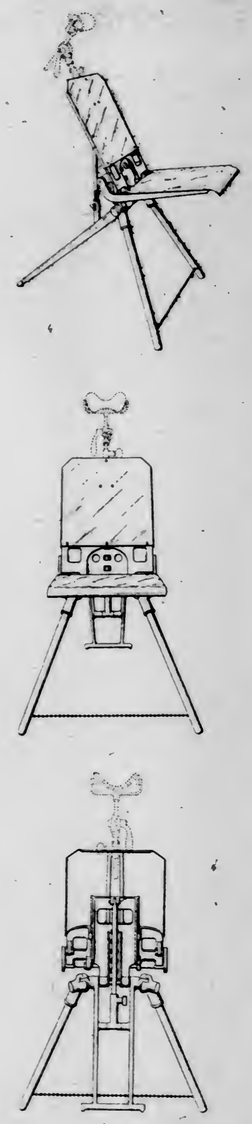


13. In a lock of the class described, a housing, a beveled strike engaging latch bolt slidable in said housing, a rollback for retracting said latch bolt to withdraw it from locking engagement with said strike, a push piece mounted for movement in said housing into a release position and into a locking position for locking said rollback against rotation while leaving said latch bolt free for retraction independently of said rollback, a spring in said housing having one end pressing directly against a surface of said latch bolt effecting the projection of said latch bolt outwardly relatively to said housing, means whereby the other end of said spring coacts with said push piece in all positions of said latch bolt for yieldingly resisting the movement of said push piece from either of said positions to the other position.

DESIGNS

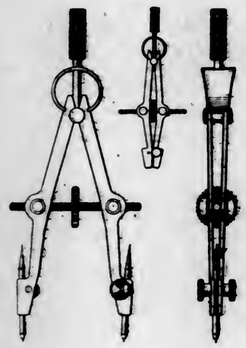
MARCH 14, 1944

137,434
DESIGN FOR A FOLDING DENTAL CHAIR
Robert C. Angell, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application November 24, 1943, Serial No. 111,775
Term of patent 14 years



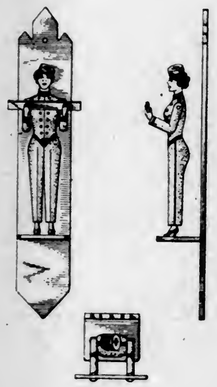
The ornamental design for a folding dental chair, as shown.

137,435
DESIGN FOR A BOW COMPASS
Alexander P. Bartusch, Lockport, N. Y.
Application April 9, 1943, Serial No. 109,938
Term of patent 14 years



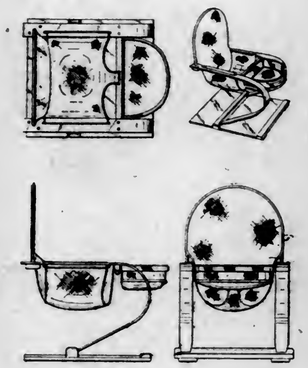
The ornamental design for a bow compass, as shown and described.

137,436
DESIGN FOR A NECKTIE HOLDER
Phoebe A. Crook, South Gate, Calif.
Application January 10, 1944, Serial No. 112,195
Term of patent 7 years



The ornamental design for a necktie holder, substantially as shown.

137,437
DESIGN FOR AN INFANT'S CHAIR
Donald J. Driscoll, New Richmond, Wis., assignor to Strand Ski Company, New Richmond, Wis., a corporation of Wisconsin
Application August 13, 1943, Serial No. 110,910
Term of patent 7 years



The ornamental design for an infant's chair, as shown.

137,438
DESIGN FOR A DISPLAY DEVICE OR SIMILAR ARTICLE
Morris E. Goldstein, Denver, Colo.
Application January 17, 1944, Serial No. 112,249
Term of patent 14 years



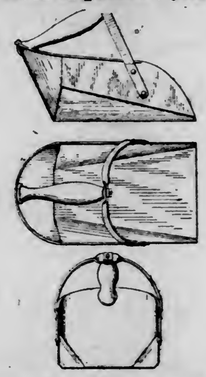
The ornamental design for a display device or similar article, as shown.

137,439
DESIGN FOR A SHOE SOLE
Sam Incardona, Waco, Tex.
Application October 30, 1943, Serial No. 111,540
Term of patent 14 years



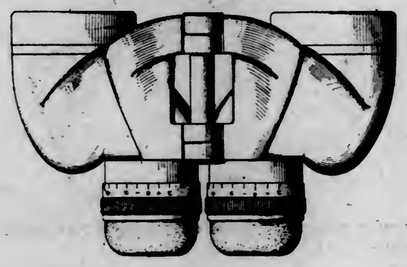
The ornamental design for a shoe sole, as shown and described.

137,440
DESIGN FOR A SCOOP
Milo C. Long, Tiffin, Ohio
Application September 8, 1943, Serial No. 111,075
Term of patent 7 years

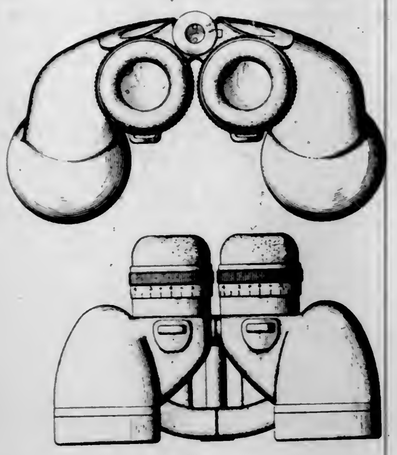


The ornamental design for a scoop, as shown.

137,441
DESIGN FOR A BINOCULAR OR THE LIKE
John R. Miles, West Englewood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 16, 1943, Serial No. 111,141
Term of patent 14 years

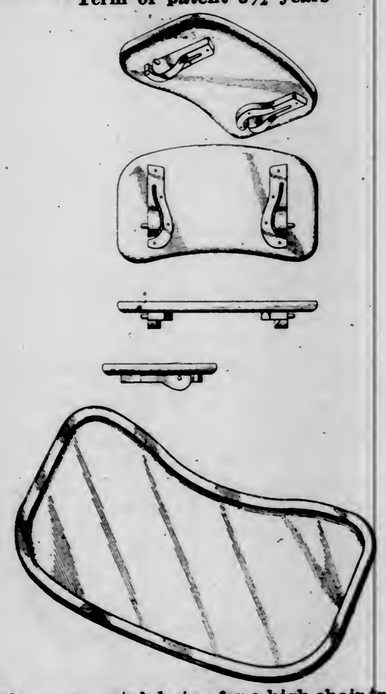


137,441—Continued



The ornamental design for a binocular or the like, as shown.

137,442
DESIGN FOR A HIGH CHAIR TRAY
Peter J. Nordby, Marietta, Ohio, assignor to Marietta Chair Company, Marietta, Ohio, a corporation of Ohio
Application September 20, 1943, Serial No. 111,165
Term of patent 3½ years



The ornamental design for a high chair tray, as shown.

137,443
DESIGN FOR A SCATTER RUG OR SIMILAR ARTICLE OF MANUFACTURE
Albert D. Clist, Purdy, N. Y., assignor to Wollner-Clist Inc., New York, N. Y., a corporation of New York
Application December 28, 1943, Serial No. 112,106
Term of patent 7 years



The ornamental design for a scatter rug or similar article of manufacture, as shown.

137,444
DESIGN FOR A TOY TOP
Clinton J. Davidson, San Diego, Calif.
Application December 28, 1943, Serial No. 112,108
Term of patent 14 years



The ornamental design for a toy top, substantially as shown.

137,445
DESIGN FOR A TWO-FACED DOLL
Kay Perper, Woodside, Long Island, N. Y.
Application December 8, 1943, Serial No. 111,948
Term of patent 3½ years



The ornamental design for a two-faced doll, as shown.

137,446
DESIGN FOR A CULTIVATOR RING
Theodore G. Schmeiser, Fresno, Calif.
Application December 27, 1943, Serial No. 112,104
Term of patent 14 years



The ornamental design for a cultivator ring, as shown.

137,447
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application December 8, 1943, Serial No. 111,956
Term of patent 3½ years



The ornamental design for an embroidered trimming or similar article, substantially as shown.

137,448
DESIGN FOR A REFUSE RECEPTACLE
Arthur Deutsch, Chicago, Ill.
Application November 1, 1943, Serial No. 111,562
Term of patent 14 years



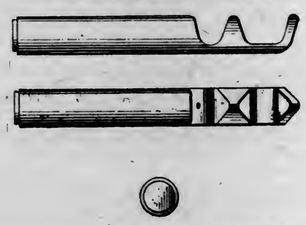
The ornamental design for a refuse receptacle, substantially as shown.

137,449
DESIGN FOR A JACKET
Simon Etkin, New York, N. Y.
Application February 15, 1944, Serial No. 112,586
Term of patent 3½ years



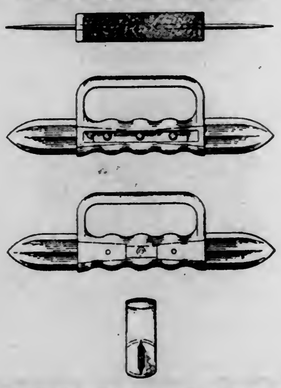
The ornamental design for a jacket, substantially as shown.

137,450
DESIGN FOR A DENTAL FLOSS HOLDER
Clarence La Verne Fairbanks, Buffalo, Mont.
Application December 29, 1943, Serial No. 112,112
Term of patent 7 years



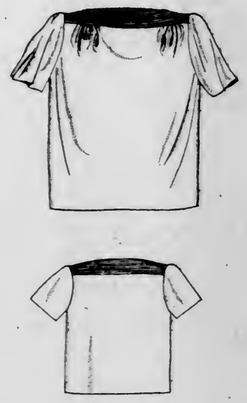
The ornamental design for a dental floss holder, as shown.

137,451
DESIGN FOR A DAGGER
Norman H. Harstad, Berkeley, Calif.
Application April 21, 1943, Serial No. 110,012
Term of patent 14 years



The ornamental design for a dagger, as shown.

137,452
DESIGN FOR A BLOUSE
Joe Koret, San Francisco, Calif.
Application January 3, 1944, Serial No. 112,155
Term of patent 7 years



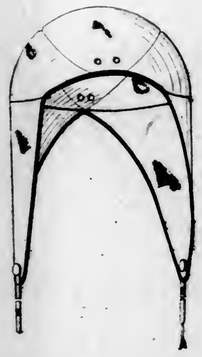
The ornamental design for a blouse, substantially as shown and described.

137,453
DESIGN FOR A PORTABLE SANDING MACHINE
William Allan Lintern, Berea, Ohio, assignor to The Lintern Corporation, Berea, Ohio, a corporation of Ohio
Application August 2, 1943, Serial No. 110,822
Term of patent 7 years



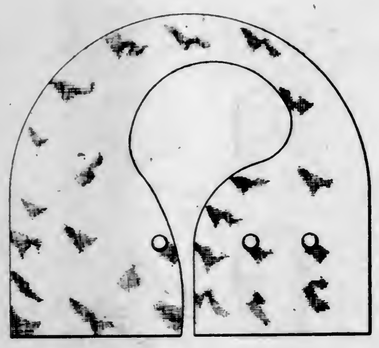
The ornamental design for a portable sanding machine, substantially as shown and described.

137,454
DESIGN FOR A LADY'S HAT
Edward Abraham Matlen, Brooklyn, N. Y.
Application December 3, 1943, Serial No. 111,892
Term of patent 3½ years



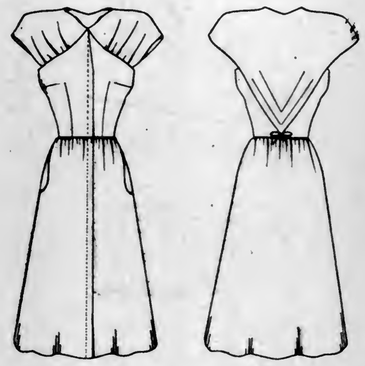
The ornamental design for a lady's hat, as shown and described.

137,455
DESIGN FOR A SCARF
Everett Schenk, New York, N. Y.
Application October 6, 1941, Serial No. 103,664
Term of patent 3½ years



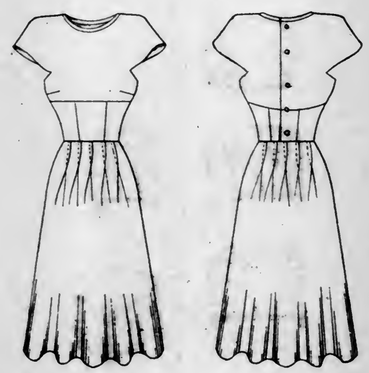
The ornamental design for a scarf, substantially as shown.

137,456
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application February 15, 1944, Serial No. 112,587
Term of patent 3½ years



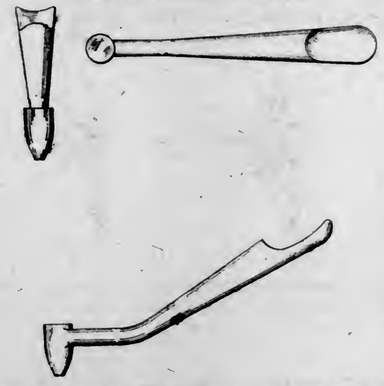
The ornamental design for a dress, substantially as shown.

137,457
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application February 15, 1944, Serial No. 112,588
Term of patent 3½ years



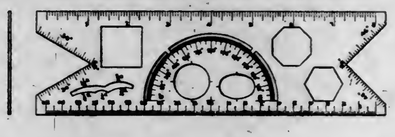
The ornamental design for a dress, substantially as shown.

137,458
DESIGN FOR A NAIL SET
Walter Bedell, Glen Cove, N. Y.
Application January 21, 1944, Serial No. 112,288
Term of patent 14 years



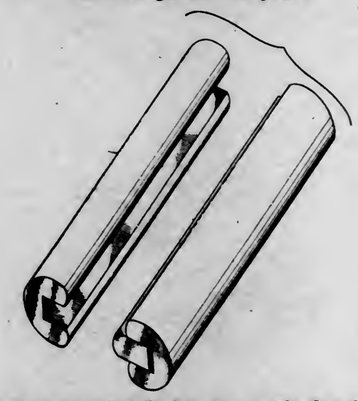
The ornamental design for a nail set, as shown.

137,459
DESIGN FOR A COMBINATION PROTRACTOR OR SIMILAR ARTICLE
Andrew W. Colmery, Canton, Ohio
Application November 19, 1943, Serial No. 111,729
Term of patent 14 years



The ornamental design for a combination protractor or similar article, as shown.

137,460
DESIGN FOR A DIE FOR FORMING METAL SHEETS
John H. Engel, Escondido, Calif.
Application October 11, 1943, Serial No. 111,335
Term of patent 14 years



The ornamental design for a die for forming metal sheets, as shown.

137,461
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 26, 1944, Serial No. 112,322
Term of patent 3½ years



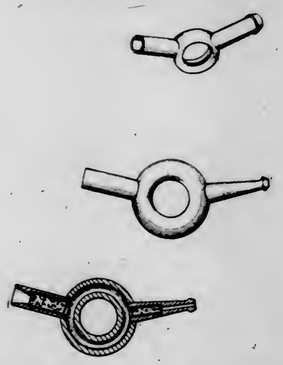
The ornamental design for a brooch or similar article, substantially as shown.

137,462
DESIGN FOR AN EMBLEMATIC BADGE OR SIMILAR ARTICLE
Frank Manners, New York, N. Y.
Application October 13, 1943, Serial No. 111,343
Term of patent 3½ years



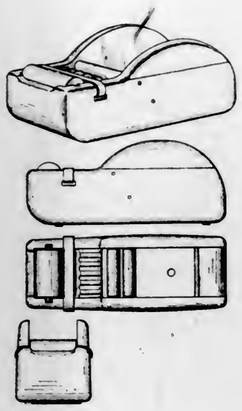
The ornamental design for an emblematic badge or similar article, as shown.

137,463
DESIGN FOR A SEPARABLE CIGARETTE HOLDER
Rocco J. Naddeo, Brooklyn, N. Y.
Application September 1, 1943, Serial No. 111,035
Term of patent 14 years



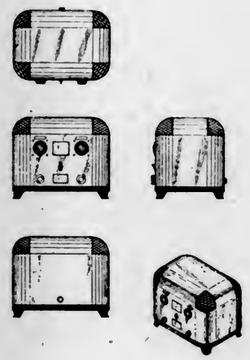
The ornamental design for a separable cigarette holder, substantially as shown.

137,464
DESIGN FOR A TAPE DISPENSER
Greydon W. Nedblake and Ray H. Nordeen, North Kansas City, Mo.
Application October 25, 1943, Serial No. 111,494
Term of patent 3½ years



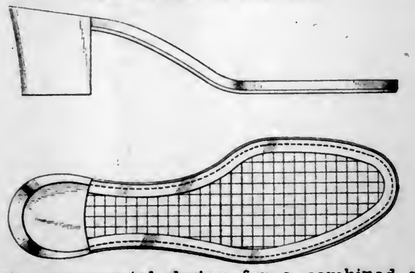
The ornamental design for a tape dispenser, as shown.

137,465
DESIGN FOR AN ARC WELDING DEVICE
Clayton P. Nielsen, Chicago, Ill.
Application May 23, 1942, Serial No. 106,988
Term of patent 14 years



The ornamental design for an arc welding device, substantially as shown.

137,466
DESIGN FOR A COMBINED SOLE AND HEEL OF A SHOE
Harold L. Pierson, Rochester, N. Y., assignor to E. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application October 20, 1943, Serial No. 111,431
Term of patent 3½ years



The ornamental design for a combined sole and heel of a shoe, as shown.

137,467
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application February 8, 1944, Serial No. 112,515
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

137,468
DESIGN FOR A FOOD DEHYDRATOR
Thomas C. Smith, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 11, 1943, Serial No. 110,886
Term of patent 14 years



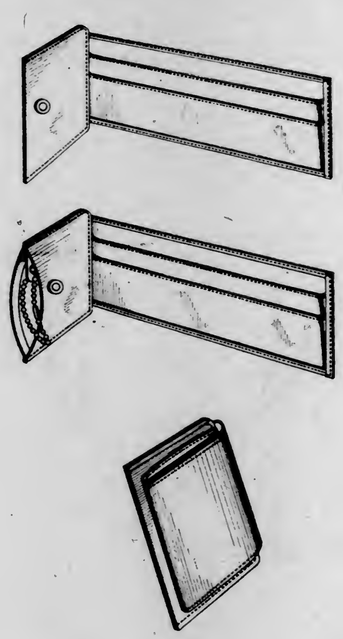
The ornamental design for a food dehydrator, as shown and described.

137,469
DESIGN FOR A MENU CARD
Lawrence Welk, Chicago, Ill.
Application June 23, 1943, Serial No. 110,506
Term of patent 14 years



The ornamental design for a menu card, as shown.

137,470
DESIGN FOR A COMBINED WALLET AND CASE FOR KEYS AND SIMILAR ITEMS
Siegbert Wetterhahn, New York, N. Y.
Application December 21, 1943, Serial No. 112,068
Term of patent 7 years



The ornamental design for a combined wallet and case for keys and similar items, as shown.

137,471
DESIGN FOR A HAT
Frances Adams, New York, N. Y.
Application October 7, 1943, Serial No. 111,294
Term of patent 3½ years



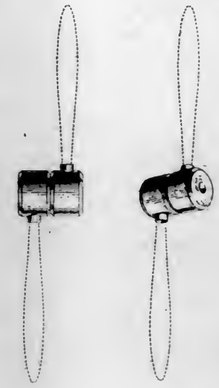
The ornamental design for a hat, substantially as shown and described.

137,472
DESIGN FOR A SINGLE-BLADE PROPELLER
Henry Birsh, New York, N. Y.
Application July 19, 1943, Serial No. 110,697
Term of patent 14 years



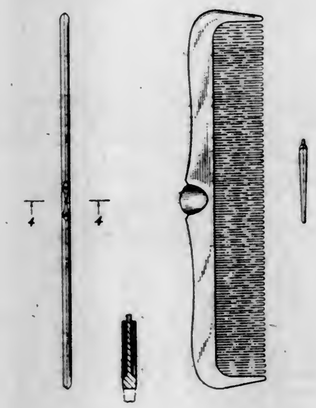
The ornamental design for a single-blade propeller, as shown.

137,473
DESIGN FOR AN OFFSET DOUBLE PROPELLER
Henry Birsh, New York, N. Y.
Application September 1, 1943, Serial No. 111,050
Term of patent 14 years



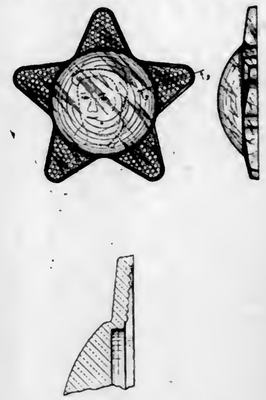
The ornamental design for an offset double propeller, as shown.

137,474
DESIGN FOR A COMB
Anthony J. Desimone, Lyndhurst, N. J., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application December 2, 1943, Serial No. 111,884
Term of patent 7 years



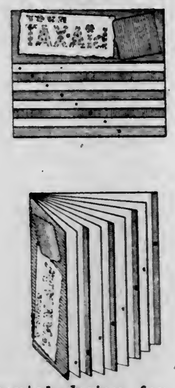
The ornamental design for a comb, substantially as shown and described.

137,475
DESIGN FOR A PICTURE FRAME
James A. Morehead, Huntington, W. Va., assignor to Sinclair Glass Company, Ceredo, W. Va., a corporation of West Virginia
Application January 31, 1944, Serial No. 112,376
Term of patent 7 years



The ornamental design for a picture frame, substantially as shown and described.

137,476
DESIGN FOR A COMBINED TAX RETURN FILING PORTFOLIO AND RECORD BOOK
Bernard H. Schulist, Shaker Heights, Ohio, assignor to The World Publishing Company, Cleveland, Ohio, a corporation of Ohio
Application April 1, 1943, Serial No. 109,887
Term of patent 3½ years



The ornamental design for a combined tax return filing portfolio and record book, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adams Candy Company, Dallas, Tex. Candy. Serial No. 465,855; Mar. 14. Class 46.

Allied Foods, Los Angeles, Calif. Pickled chiles and spiced pickled cucumbers. Serial No. 466,631; Mar. 14. Class 46.

Amburgo Company, The, Philadelphia, Pa. Semi-solid distiller's solubles for livestock feeding. Serial No. 466,248; Mar. 14. Class 46.

Atlas Color & Chemical Co. (See Collins, P. Joseph.)

Bales, G., Company, The. (See Bales, Gladys.)

Bales, Gladys, doing business as The G. Bales Company, Kansas City, Mo. Holder for habit forming charts. Serial No. 464,387; Mar. 14. Class 50.

Bay State Optical Company, Attleboro, Mass. Ophthalmic mountings. Serial No. 466,399; Mar. 14. Class 26.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial No. 466,142; Mar. 14. Class 42.

California Farm Products Company, Salinas, Calif. Fresh vegetables. Serial No. 466,427; Mar. 14. Class 46.

Carpenter Steel Company, The, Reading, Pa. Alloy mold steel. Serial No. 463,928; Mar. 14. Class 14.

Carvacrol Mfg. Co., The. (See Steinlauf, E. Martin.)

Chlorine Solutions, Inc., Los Angeles, Calif. Liquid and solid deodorants. Serial No. 465,526; Mar. 14. Class 6.

Cia, Industrial Y Distribuidora, S. A., Mexico City, Mexico. Face powder. Serial No. 462,792; Mar. 14. Class 6.

Collins, P. Joseph, doing business as Atlas Color & Chemical Co., Boston, Mass. Agents acting as a resist for wool and used in a dye bath. Serial No. 465,646; Mar. 14. Class 6.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Woven textile fabric. Serial Nos. 465,411–12; Mar. 14. Class 50.

Colonial Process Supply Co., New York, N. Y. Non-sensitized photographic film. Serial No. 463,227; Mar. 14. Class 50.

Crowe Name Plate & Manufacturing Co., Chicago, Ill. Thermo-setting plastic knobs for radio receiving sets. Serial No. 465,977; Mar. 14. Class 21.

Crowe Name Plate & Manufacturing Co., Chicago, Ill. Escutcheons for radio instruments made of embossed sheet plastics. Serial No. 465,978; Mar. 14. Class 21.

Crowe Name Plate & Manufacturing Co., Chicago, Ill. Tuning units and escutcheons for radio receiving sets. Serial No. 465,979; Mar. 14. Class 21.

Dazzle Co., The. (See Ghiselin, R. S.)

Distributing and Trading Company, New York, N. Y. Crude wax and wax blends. Serial No. 465,753; Mar. 14. Class 1.

Donaldson Floor Company. (See Donaldson, George J.)

Donaldson, George J., doing business as Donaldson Floor Company, Rockford, Ill. Magnesite cement flooring. Serial No. 465,065; Mar. 14. Class 12.

Eisenstadt Manufacturing Company, St. Louis, Mo. Cigarette cases and cigarette holders. Serial No. 465,712; Mar. 14. Class 8.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 465,900; Mar. 14. Class 38.

Florists' Telegraph Delivery Association, Detroit, Mich. Natural flowers and plants. Serial No. 464,434; Mar. 14. Class 1.

Garrison, Bertice P., doing business as Paula Garrison, Seattle, Wash. Night gowns, pajamas, sleep-coats, etc. Serial No. 461,589; Mar. 14. Class 39.

Garrison, Paula. (See Garrison, Bertice P.)

Geigy Company, Inc., New York, N. Y. Organic chemotherapeutic products for the treatment of infections, etc. Serial No. 465,803; Mar. 14. Class 6.

Ghiselin, R. S., doing business as The Dazzle Co., Chicago, Ill. Chemical compound. Serial No. 464,163; Mar. 14. Class 4.

Glaser, Crandell Co., Chicago, Ill. Prepared mustard, prepared mustard salad style, etc. Serial No. 457,912; Mar. 14. Class 46.

Glemby Company, Inc., The, New York, N. Y. Hair nets of the type known as veil nets. Serial No. 465,022; Mar. 14. Class 39.

Glemby Company, Inc., The, New York, N. Y. Hair nets of the type known as veil nets. Serial Nos. 465,025–6; Mar. 14. Class 39.

Glemby Company, Inc., The, New York, N. Y. Hair nets of the type known as veil nets. Serial No. 465,476; Mar. 14. Class 39.

Glenco Products Co., University City, Mo. Dry mops and dusters each formed of fabric, etc. Serial No. 465,917; Mar. 14. Class 29.

Globe American Corporation, doing business as Makomb Steel Products Company, Kokomo, Ind. Poultry house equipment. Serial No. 465,741; Mar. 14. Class 50.

Gotsis, Nick, Nogales, Ariz. Fresh vegetables. Serial No. 466,077; Mar. 14. Class 46.

Grant, W. T., Company, New York, N. Y. Pajamas for men and boys. Serial No. 466,216; Mar. 14. Class 39.

Gross, Adolph E., doing business as The Recordit Company, St. Louis, Mo. Chemically treated wiping pads. Serial No. 464,650; Mar. 14. Class 4.

Harriman Hosiery Mills, Harriman, Tenn. Hosiery. Serial No. 460,447; Mar. 14. Class 39.

Hinds, Ruby, & Company, Phoenix, Ariz. Fresh vegetables. Serial No. 466,650; Mar. 14. Class 46.

Hogue, F. H., Company, Yuma, Ariz. Fresh vegetables. Serial No. 466,079; Mar. 14. Class 46.

Horlick Laboratories, Inc., Racine, Wis. Vitamin preparation. Serial No. 466,499; Mar. 14. Class 6.

Hudson, J. L., Company, The, Detroit, Mich. Men's and young men's outer clothing. Serial No. 466,444; Mar. 14. Class 39.

Illinois Remedial Company. (See McCauley, Wallace G.)

Indian Arts and Crafts Board, Washington, D. C. Tobacco pouches. Serial No. 466,389; Mar. 14. Class 8.

Indian Arts and Crafts Board, Washington, D. C. Paintings (both oil and watercolor) and drawings. Serial No. 466,392; Mar. 14. Class 38.

Indian Arts and Crafts Board, Washington, D. C. Neckties and leather belts, etc. Serial No. 466,393; Mar. 14. Class 39.

Indian Arts and Crafts Board, Washington, D. C. Pillow tops of hand-woven material. Serial No. 466,394; Mar. 14. Class 40.

Indian Arts and Crafts Board, Washington, D. C. Cotton patchwork wall hangings and window hangings. Serial No. 466,497; Mar. 14. Class 42.

Interlake Tissue Mills Co. Limited, Toronto, Ontario, Canada. Paper products. Serial No. 465,070; Mar. 14. Class 37.

Kannengiesser & Company, New York, N. Y. Flaked dried bananas. Serial No. 466,223; Mar. 14. Class 46.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Ladies' dresses, evening gowns and wraps, etc. Serial No. 447,187; Mar. 14. Class 39.

Kensington Steel Company, Chicago, Ill. Manganese and steel and rough and partly finished manganese, and steel castings. Serial No. 466,090; Mar. 14. Class 14.

Krout & Fite Manufacturing Company, Philadelphia, Pa. Tape for use as a foundation for zipper fasteners. Serial No. 465,395; Mar. 14. Class 40.

Lafond Candy Kitchen, Inc., New York, N. Y. Candy. Serial Nos. 464,614–15; Mar. 14. Class 46.

Lelong, Lucien, Inc., Chicago, Ill. Toilet water. Serial No. 465,924; Mar. 14. Class 6.

Lotte Chemical Company, Inc., Paterson, N. J. Chemical compositions for the control of acid pickling baths for metals. Serial No. 465,845; Mar. 14. Class 6.

Makomb Steel Products Company. (See Globe American Corporation.)

Matchless Metal Polish Company, The, Chicago, Ill., and Glen Ridge, N. J. Buffing and polishing compositions. Serial No. 465,630; Mar. 14. Class 4.

McCauley, Wallace G., doing business as Illinois Remedial Company, Chicago, Ill. Nasal prophylactic. Serial No. 465,349; Mar. 14. Class 6.

Metasap Chemical Company, Harrison, N. J. Metallic soap composition. Serial No. 464,656; Mar. 14. Class 6.

National Twist Drill & Tool Co., Detroit, Mich. Twist drills, reamers, end mills, etc. Serial No. 462,320; Mar. 14. Class 23.

New Jersey Italian Food Products Co., Newark, N. J. Salt. Serial No. 462,800; Mar. 14. Class 46.

North American Aviation, Inc., Inglewood, Calif. Shop bulletin issued periodically. Serial No. 466,619; Mar. 14. Class 38.

Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 465,718; Mar. 14. Class 1.

Once Lifetime Starch Co., Not Inc., Chicago, Ill. Laundry starch. Serial No. 466,383; Mar. 14. Class 6.

Onyx Oil & Chemical Company, Jersey City, N. J. Quaternary ammonium antiseptic compound. Serial Nos. 466,308–9; Mar. 14. Class 6.

Oxford Products, Inc., Cleveland, Ohio. Vitamin tablets. Serial No. 465,825; Mar. 14. Class 6.

Oxford Products, Inc., Cleveland, Ohio. Vitamins B_1, B_2, B_6, calcium pantothenate, etc. Serial No. 465,828; Mar. 14. Class 6.

Peters, Leo, Oklahoma City, Okla. Nonalcoholic maltless beverages, etc. Serial No. 465,690; Mar. 14. Class 45.

Pitt, C. M., & Sons Company, The, Baltimore, Md. Drained fruits, preserved fruits, and crushed preserved fruits, etc. Serial No. 464,419; Mar. 14. Class 46.

Producer-Canner's Cooperative, Inc., North Collins, N. Y. Canned vegetables and tomato paste. Serial No. 466,310; Mar. 14. Class 46.

Recordit Company, The. (See Gross, Adolph E.)
Robinette, W. C., Company. (See Robinette, Willard C.)
Robinette, Willard C., doing business as W. C. Robinette Company, South Pasadena, Calif. Electronic control apparatus for control of induction motors. Serial No. 463,709; Mar. 14. Class 21.
Rotogravure Engineering Co. of Massachusetts, East Boston, Mass. Rotogravure presses and laminating and coating machines. Serial No. 466,175; Mar. 14. Class 23.
Russell, Bennett, Yakima, Wash. Jelly, marmalade, fruit preserves, canned apricots, fresh fruit. Serial No. 445,781; Mar. 14. Class 46.
Schachet, Jacob C., doing busines as The Tinctorial Co., Denver, Colo. Compound for waterproofing and preserving leather. Serial No. 460,968; Mar. 14. Class 4.
Schulman, Mike, Inc., New York, N. Y. Women's coats and suits. Serial No. 466,461; Mar. 14. Class 39.
Seminole Manufacturing Company, Columbus, Miss. Men's and boys' sport shirts. Serial No. 466,462; Mar. 14. Class 39.
Sleight Metallic Ink Company of Pennsylvania, Inc., Philadelphia, Pa. Printing, lithographing, die-stamping, etc., compounds. Serial No. 457,999; Mar. 14. Class 11.
Solar Corporation, Milwaukee, Wis., and Los Angeles, Calif. House organ. Serial No. 466,108; Mar. 14. Class 38.
Spring Green Creamery and Cheese Industry, Inc., Spring Green, Wis. Cheese. Serial Nos. 465,877–8; Mar. 14. Class 46.
Stanley, John T., Co., Inc., New York, N. Y. Soap and polishing powder. Serial No. 466,179; Mar. 14. Class 4.
Steinlauf, E. Martin, doing business as The Carvacrol Mfg. Co., Norwalk, Conn. Preparation for alleviating pain. Serial No. 465,853; Mar. 14. Class 6.
Taylor, Chas., Sons Co., The, Cincinnati, Ohio. Refractory cements, ramming mixes, bricks and blocks. Serial Nos. 463,253–5; Mar. 14. Class 12.
Technicon Co., The, New York, N. Y. Automatic immersion apparatus used in the preparation of histological specimens. Serial No. 465,302; Mar. 14. Class 26.
Tetley, Joseph, & Co., Inc., New York, N. Y. Soup mix. Serial No. 457,289; Mar. 14. Class 46.
Theobald, Harry J., doing business as the Theobald Industries, Kearney, N. J. Dog food. Serial No. 466,750; Mar. 14. Class 46.
Theobald Industries. (See Theobald, Harry J.)
Tinctorial Co., The. (See Schachet, Jacob C.)
Trojan Products & Mfg. Co., Chicago, Ill. Oil absorbing mineral compound. Serial No. 463,339; Mar. 14. Class 6.
Tung-Sol Lamp Works, Inc., Newark, N. J. Electronic tubes, incandescent electric lamps, electric flashers, etc. Serial No. 465,015; Mar. 14. Class 21.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric laundry washers. Serial No. 439,677; Mar. 14. Class 24.
Whipple Company, The, Natick, Mass. Sirups for making soft drinks. Serial No. 466,244; Mar. 14. Class 45.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. Serial No. 466,599; Mar. 14. Class 46.
Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles and structural parts thereof. Serial No. 458,643; Mar. 14. Class 19.

LIST OF REGISTRANTS OF TRADE-MARKS

A-Q Mills, Timmonsville, S. C. Fabric in the piece made of wool, worsted, silk, etc. 406,144; Mar. 14; Serial No. 461,406; published Dec. 21, 1943. Class 42.
Abbott Laboratories, Chicago, Ill. Seno-mint (a laxative). 181,416; renewed Mar. 18, 1944.
Abbott Laboratories, North Chicago, Ill. Veterinary synthetic estrogenic preparation. 406,158; Mar. 14; Serial No. 463,087; published Nov. 16, 1943. Class 6.
Abbott Laboratories, North Chicago, Ill. Compound for the treatment of gonorrhea. 406,164; Mar. 14; Serial No. 463,563; published Nov. 23, 1943. Class 6.
Alpo Sportswear Company, Inc. (See Apollo Sportswear Company, Inc.)
American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,848; renewed July 22, 1944.
American Seeding Machine Company, The, Springfield, Ohio, assignor to Oliver Farm Equipment Company, Chicago, Ill. Grass-seed drills, cultivators, potato planters, etc. 182,386; renewed Apr. 8, 1944.
Animal Trap Company of America. (See Norwich Wire Works, Inc., assignor.)
Apollo Sportswear Company, Inc., New York, N. Y., now by change of name of Alpo Sportswear Company, Inc. Men's and women's pants. 406,191; Mar. 14; Serial No. 464,299; published Dec. 28, 1943. Class 39.
Arabol M'f'g. Co., The, New York, N. Y. Adhesives. 181,634; renewed Mar. 25, 1944.
Ardin, Lucien, Inc., New York, N. Y. Wines. 406,155; Mar. 14; Serial No. 462,737; published Jan. 4, 1944. Class 47.
Asche-Bandor Corporation, New York, N. Y. Rum. 406,171; Mar. 14; Serial No. 463,827; published Jan. 4, 1944. Class 49.
Associated Industries of Massachusetts, Boston, Mass. Periodical. 406,116; Mar. 14; Serial No. 445,003; published Feb. 2, 1943. Class 38.
Austin Manufacturing Co., Chicago, to Western-Austin Company, Aurora, Ill., by merger. Road machines. 186,759; renewed July 22, 1944.
Automatic Alarms, Incorporated, Youngstown, Ohio. Electrically operated detecting and alarm systems. 406,122; Mar. 14; Serial No. 455,320; published Jan. 4, 1944. Class 21.
Baby Bathinette Corporation, The. (See Kiddie-Town Products, Inc., assignor.)
Balmoral Laboratories. (See Brouillard, A. A.)
Barg & Foster Candy Company, assignor to Sperry Candy Company, Milwaukee, Wis. Confectionery. 181,053; renewed Mar. 11, 1944.
Barg & Foster Candy Company, assignor, by mesne assignments, to Sperry Candy Company, Milwaukee, Wis. Confectionery. 181,062; renewed Mar. 11, 1944.
Barker, H. Lawrence, Valley Stream, N. Y. Facial oil. 405,239; Mar. 14. Class 6.
Beech-Nut Packing Company, Canajoharie, N. Y. Alimentary paste products. 186,900; renewed July 22, 1944.
Behlen, H., & Bro., Inc., New York, N. Y. Drawing paper, pencils, art gum erasers, etc. 406,145; Mar. 14; Serial No. 461,429; published Jan. 4, 1944. Class 37.
Ben Mont Papers, Inc. (See Bennington Wax Paper Company.)
Bennington Wax Paper Company, Bennington, Vt., by change of name to Ben Mont Papers, Inc. Wax paper, wax lunch rolls, dry and waxed shredded paper. 178,636; renewed Jan. 15, 1944.
Benrus Watch Company, New York, N. Y. Watches. 406,138; Mar. 14; Serial No. 460,516; published Jan. 4, 1944. Class 27.
Bernheim Distilling Company, Louisville, Ky. Whiskey. 406,220; Mar. 14; Serial No. 464,775; published Jan. 4, 1944. Class 49.
Blatt, Max, doing business as Seal Rite Caulking Co., Brooklyn, N. Y. Caulking compounds. 406,232; Mar. 14. Class 12.
Booth Chemical Laboratories. (See Booth, John G.)
Booth, John G., doing business as Booth Chemical Laboratories, Gallatin, Tenn. Medicated nest egg for killing vermin and for use as disinfectant. 406,198; Mar. 14; Serial No. 464,365; published Jan. 4, 1944. Class 6.
Borina, Nicholas M., Watsonville, Calif. Fresh apples. 186,810; renewed July 22, 1944.
Bork, Jesse J., doing business as Dairy Chemical Company, Manson, to Jesse J. Bork, doing business as Dairy Chemical Company, Fort Dodge, Iowa. Chemical neutralizers. 186,487; renewed July 22, 1944.
Bourjois, A., & Co., Inc., assignor to M. Tecla & Co., assignor, by mesne assignments, to The Tecla Corporation, New York, N. Y. Face powder. 177,712; renewed Dec. 25, 1943.
Boyd Manufacturing Company, Inc., The, Birmingham, Ala. Face creams, talcum powders, face powders, etc. 406,166; Mar. 14; Serial No. 463,719; published Dec. 28, 1943. Class 6.
Bramson Manufacturing Co., The, Chicago, Ill. Egg candling machines. 406,137; Mar. 14; Serial No. 460,415; published Jan. 4, 1944. Class 26.
Brawner, Henry N., Jr., doing business as Chestnut Farms Dairy, assignor, by mesne assignments, to Chestnut Farms-Chevy Chase Dairy Company, Washington, D. C. Butter. 179,470; renewed Feb. 12, 1944.
Brouillard, A. A., doing business as Balmoral Laboratories, Andover, Mass. Laxative medicinal tea. 406,242; Mar. 14. Class 6.
Brown & Williamson Tobacco Corporation. (See Flynt, J. G., Tobacco Co., assignor.)
Butler, Ursal K., doing business as New Enterprises, Winston-Salem, N. C. Toy carts mounting animal figures. 406,186; Mar. 14; Serial No. 464,264; published Jan. 4, 1944. Class 22.
Cadet Creme Company. (See Miller, A. John.)
Canova Foods, Incorporated. (See Maury-Cole Company, assignor.)
Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, bars, etc. 406,236; Mar. 14. Class 14.
Carter Dry Goods Co., Louisville, Ky. Sweaters and knit goods. 186,530; renewed July 22, 1944.
Catelli, C. H., Limitée, La Cie, assignor, by mesne assignments, to Catelli Food Products Ltd., Montreal, Quebec, Canada. Alimentary pastes. 174,951; renewed Oct. 30, 1943.
Catelli Food Products Ltd. (See Catelli, C. H., Limitée, La Cie, assignor.

Cavalier Corporation. (See Tennessee Furniture Corporation.)
Celite Co., The, Los Angeles, Calif., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Finely-divided solid material aiding filtration and deemulsification of liquids. 183,042; renewed Apr. 22, 1944.
Celite Products Company, Los Angeles, Calif., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Finely divided solid material aiding filtration and deemulsification of liquids. 181,463; renewed Mar. 18, 1944.
Celotex Corporation, The, Chicago, Ill. Saturated felt base roofing and siding products. 406,114; Mar. 14; Serial No. 432,713; published Jan. 4, 1944. Class 12.
Charleston Milling Company. (See Charleston Milling & Produce Company.)
Charleston Milling & Produce Company, Charleston, W. Va., by change of name to Charleston Milling Company. Middlings, dairy feed, wheat flour, etc. 186,585; renewed July 22, 1944.
Chestnut Farms-Chevy Chase Dairy Company. (See Brawner, Henry N., Jr., assignor.)
Chestnut Farms Dairy. (See Brawner, Henry N., Jr.)
Chopak Textile Company, Inc., New York, N. Y. Knitted silk piece goods. 186,630; renewed July 22, 1944.
Cincinnati Fly Screen Company, The, Cincinnati, Ohio. Fly screens. 186,597; renewed July 22, 1944.
City Chemical Co. (See Markle, C. C.).
City Electric Company, assignor to City Electric Company, Inc., Syracuse, N. Y. Electrical apparatus. 180,354; renewed Feb. 26, 1944.
Colfax Mineral Springs Co. Inc., Colfax, Iowa. Nonalcoholic, noncereal, maltless beverages. 406,167; Mar. 14; Serial No. 463,725; published Dec. 28, 1943. Class 45.
Colorado Milling & Elevator Co., The, also doing business as The Loveland Flour Mills, Denver and Loveland, Colo. Wheat flour. 181,764; renewed Mar. 25, 1944.
Colton, Geo. S., Elastic Web Co., assignor to United Elastic Corporation, Easthampton, Mass. Narrow elastic webs. 186,713; renewed July 22, 1944.
Columbia Cheese Company, Newark, N. J. Butter and horse-radish. 186,904; renewed July 22, 1944.
Compania de Destilerias Internationales, Inc., Bayamon, P. R. Rum. 406,225; Mar. 14; Serial No. 465,124; published Jan. 4, 1944. Class 49.
Compania de Destilerias Internationales, Inc., Bayamon, P. R. Rum. 406,226; Mar. 14; Serial No. 465,127; published Jan. 4, 1944. Class 49.
Congoleum-Nairn Inc., Kearny, N. J. Plain and inlaid linoleum, linoleum tile, cork carpet, etc. 406,170; Mar. 14; Serial No. 463,809; published Dec. 28, 1943. Class 20.
Control Instrument Company, Inc., Brooklyn, N. Y. Monthly publication. 406,183; Mar. 14; Serial No. 464,247; published Jan. 4, 1944. Class 38.
Corning Glass Works, Corning, N. Y. Glass. 406,115; Mar. 14; Serial No. 437,238; published Jan. 4, 1944. Class 1.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 406,141; Mar. 14; Serial No. 461,133; published Aug. 17, 1943. Class 6.
Crossett Lumber Company, doing business as Crossett Paper Mills, Crossett, Ark. Sulphate paper. 406,160; Mar. 14; Serial No. 463,314; published Jan. 4, 1944. Class 37.
Crossett Paper Mills. (See Crossett Lumber Company.)
Dairy Chemical Company. (See Bork, Jesse J.)
Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Bottoms for bins used as containers, buckets made of metal, burial caskets, etc. 406,173; Mar. 14; Serial No. 464,017; published Jan. 4, 1944. Class 2.
Darby, Harry, Manufacturer. (See Darby, Harry.)
De Botelho, doing business as Alexandra de Markoff, New York, N. Y. Toilet water, bath oil, bath foam. 406,113; Mar. 14; Serial No. 432,428; published Sept. 10, 1940. Class 6.
Dermetics, Inc., Seattle, Wash. Lipstick, rouge for the face, face powder, etc. 406,118; Mar. 14; Serial No. 446,489; published Dec. 28, 1943. Class 6.
Detex Watchclock Corporation. (See Newman Clock Company, Inc., assignor.)
Dicalite Company, The, Los Angeles, Calif. Compositions for dehumidifying air and other gases. 406,175; Mar. 14; Serial No. 464,105; published Jan. 4, 1944. Class 6.
Diebold, Incorporated. (See Diebold Safe & Lock Company.)
Diebold Safe & Lock Company, Canton, Ohio, now by change of name Diebold, Incorporated. Letter and card filing cases, file cases, and cabinets, etc. 406,133; Mar. 14; Serial No. 459,654; published Jan. 4, 1944. Class 32.
Dillinger Distilleries, Inc., Ruffsdale and Philadelphia, Pa. Whiskey. 406,149; Mar. 14; Serial No. 461,841; published Dec. 28, 1943. Class 49.
Dowling Bros. Distilling Co., Incorporated, Burgin, Ky., and Cincinnati, Ohio. Whiskey. 406,146–7; Mar. 14; Serial Nos. 461,551–2; published Dec. 28, 1943. Class 49.
Dunlap, O. Z., doing business as Vitachrome Co., Omaha, Nebr. Vitamin tablet. 406,200; Mar. 14; Serial No. 464,388; published Jan. 4, 1944. Class 6.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils and rubber erasers. 406,196; Mar. 14; Serial No. 464,335; published Jan. 4, 1944. Class 37.
Edison, Thomas A., Incorporated, West Orange, N. J. Finely divided and substantially pure metallic iron. 406,207; Mar. 14; Serial No. 464,536; published Jan. 4, 1944. Class 6.
Eisele & Company, Nashville, Tenn. Clinical thermometers, hypodermic syringes, urethral syringes, etc. 406,130; Mar. 14; Serial No. 458,457; published Jan. 4, 1944. Class 44.
Eisner, Sigmund, Company, Red Bank, N. J. Clothing. 186,933; renewed July 22, 1944.
Elco Grease and Oil Company, The, Cleveland, Ohio. Concentrate of sulphur chlorine and triglycerides and naphthenes of lead. 406,231; Mar. 14. Class 6.
Elisabeth Rae. (See Lamont, Elisabeth R.)
Elmo Sales Corporation, Philadelphia, Pa. Face creams, face lotions, face powder, etc. 406,178; Mar. 14; Serial No. 464,160; published Dec. 28, 1943. Class 6.
Elzac California Jewelry Creations, Los Angeles, Calif. Jewelry clips, brooches, bracelets, etc. 406,165; Mar. 14; Serial No. 463,622; published Jan. 4, 1944. Class 28.
F M Company. (See Sleeper, Milton B.)
Factor, Max, & Co., Los Angeles, Calif. Cosmetic in the nature of a solidified cream. 406,126–7; Mar. 14; Serial Nos. 457,543–4; published July 20, 1943. Class 6.
Fassett & Company, Tacoma, Wash. Canned berries and fruits, pork and beans. 186,875; renewed July 22, 1944.
Faultless Caster Corporation, Evansville, Ind. Truck caster wheels. 406,136; Mar. 14; Serial No. 460,291; published June 29, 1943. Class 19.
Fenn Brothers, Sioux Falls, S. Dak. Candy. 186,881; renewed July 22, 1944.
Flynt, J. G., Tobacco Co., Winston-Salem, N. C., assignor, by mesne assignments, to Brown & Williamson Tobacco Corporation, Louisville, Ky. Smoking tobacco. 186,623; renewed July 22, 1944.
Gallowhur, George, New York, N. Y. Medicinal preparation for use in the treatment of seasickness. 406,132; Mar. 14; Serial No. 459,002; published Dec. 28, 1943. Class 6.
Garza, Rodolfo M., Monterrey, Mex. Brandy. 406,161; Mar. 14; Serial No. 463,380; published Jan. 4, 1944. Class 49.
Gates Rubber Company, The, Denver, Colo. Power transmission belts. 406,227; Mar. 14; Serial No. 465,202; published Jan. 4, 1944. Class 35.
Gazzolo Drug & Chemical Company, Chicago, Ill. Flux (for solder). 186,793; renewed July 22, 1944.
Geigy Company, Inc., New York, N. Y. Chemical germicides, chemical insecticides, chemical fungicides, etc. 406,217; Mar. 14; Serial No. 464,694; published Jan. 4, 1944. Class 6.
Gerard Milk Products Company. (See Obrecht, G. Fred.)
Ginsburg, Roderick A., doing business as Kustomat Company, Chicago, Ill. Linoleum mats, linoleum rugs, felt base mats, etc. 406,234; Mar. 14. Class 20.
Gordon Pipe Co., New York, N. Y. Smoking tobacco. 406,192; Mar. 14; Serial No. 464,310; published Jan. 4, 1944. Class 17.
Goldsmith Metal Lath Company, The, Cincinnati, Ohio. Hanger inserts and furring inserts. 186,505; renewed July 22, 1944.
Graf, John, Company, Milwaukee, Wis. Nonalcoholic, noncereal, maltless beverages. 406,221; Mar. 14; Serial No. 464,816; published Dec. 21, 1943. Class 45.
Grove Laboratories, Inc., The, Wilmington, Del., and St. Louis, Mo. Vitamin capsules. 406,128; Mar. 14; Serial No. 457,913; published May 25, 1943. Class 6.
Grumbacher, M. (See Grumbacher, Max, assignor.)
Grumbacher, Max, assignor to M. Grumbacher, New York, N. Y. Artists' brushes. 182,250–3; renewed Apr. 8, 1944.
Harrison, Monroe, Chicago, Ill. Non-alcoholic, maltless, soft drinks and sirups and concentrates. 406,154; Mar. 14; Serial No. 462,711; published Dec. 14, 1943. Class 45.
Happy Mills, Memphis, Tenn. Mixed feed for livestock and poultry. 406,222; Mar. 14; Serial No. 464,856; published Jan. 4, 1944. Class 46.
Hedges & Brother, Newark, N. J. Flush valves, urinal valves, shower mixing valves, etc. 186,596; renewed July 22, 1944.
Hiergesell, Wm., & Sons, New York, N. Y. Thermometers and hydrometers. 186,602; renewed July 22, 1944.
Houlis, Louis D., Dallas, Tex. Bread, cakes, and pastries. 406,228; Mar. 14. Class 46.
Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 186,925; renewed July 22, 1944.
Huff, Wilbert J., Pittsburgh, Pa., to W. J. Huff, Silver Spring, Md. Solvent. 186,962; renewed July 22, 1944.
International Shoe Company. (See Plant, Thomas G., assignor.)
Jacobs Aircraft Engine Company, Pottstown, Pa. Magazine. 406,151; Mar. 14; Serial No. 461,953; published Jan. 4, 1944. Class 38.
Jarvis, George O., San Francisco, Calif. Kidney extract for intravenous use, etc. 406,184; Mar. 14; Serial No. 464,250; published Dec. 28, 1943. Class 6.

Johns-Manville Corporation. (See Celite Co., The, assignor.)
Johns-Manville Corporation. (See Celite Products Company, assignor.)
Johns-Manville, Incorporated, assignor to Johns-Manville Corporation, New York, N. Y. Cotton cloth for use as an acoustical membrane. 179,922; renewed Feb. 19, 1944.
Keene's Laboratories Limited, London, England. Toilet preparations. 406,153; Mar. 14; Serial No. 462,752; published Dec. 28, 1943. Class 6.
Kentucky Color & Chemical Co., Louisville, Ky. Insecticides. 406,152; Mar. 14; Serial No. 461,954; published Sept. 7, 1943. Class 6.
Keystone Lubricating Company, Philadelphia, Pa. Manifold lubricators, lubricators, manifolds, etc. 186,683; renewed July 22, 1944.
Kiddie-Town Products, Inc., Seneca Falls, assignor to E. M. Trimble Mfg. Co., assignor, by mesne assignments, to The Baby Bathinette Corporation, Rochester, N. Y. Infants' folding bathtubs and combination bath cabinets and tubs. 184,836; renewed June 3, 1944.
King Features Syndicate, Inc., New York, N. Y. Newspaper. 406,181; Mar. 14; Serial No. 464,198; published Jan. 4, 1944. Class 38.
Kitzinger, Richard C., doing business as Yorktown Watch Co., New York, N. Y. Watches. 406,235; Mar. 14. Class 27.
Kogar Products Co., Inc., New York, N. Y. Concentrates, syrups, flavors, etc. 406,125; Mar. 14; Serial No. 457,441; published May 11, 1943. Class 45.
Kranz, Florence M., Chicago, Ill. Candies. 183,937; renewed May 13, 1944.
Kustomat Company. (See Ginsburg, Roderick A.)
Lamont, Elisabeth R., doing business as Elisabeth Rae, New York, N. Y. Cosmetics. 406,179; Mar. 14; Serial No. 464,173; published Dec. 28, 1943. Class 6.
Lane Tobacco Ltd., New York, N. Y. Cigarettes, cigars, snuff tobacco, etc. 406,156; Mar. 14; Serial No. 462,805; published Jan. 4, 1944. Class 17.
Lanhaus, Morris, doing business as Sun-Ray Hair Preparations Co., New York, N. Y. Preparation for the hair and scalp. 406,211; Mar. 14; Serial No. 464,576; published Jan. 4, 1944. Class 6.
Latz, Maurice D., Co. (See Latz, Maurice.)
Latz, Maurice, doing business as Maurice D. Latz Co., New York, N. Y. Imitation lemon. 406,187; Mar. 14; Serial No. 464,269; published Dec. 28, 1943. Class 45.
Lazarus, Joseph, Company, The, Cincinnati, Ohio. Hats and caps. 186,654; renewed July 22, 1944.
Lehn & Fink Products Corporation, Bloomfield, N. J. Estrogenic hormone preparation. 406,174; Mar. 14; Serial No. 464,022; published Dec. 28, 1943. Class 6.
Lewis, Wm., & Son, Chicago, Ill. Strings for violins and similar musical instruments. 182,378; renewed Apr. 8, 1944.
Loveland Flour Mills, The. (See Colorado Milling & Elevator Co.)
M. & C. Maintenance Co., St. Paul, Minn. Electrically operated floor polishers and cleaners. 406,117; Mar. 14; Serial No. 445,293; published Jan. 4, 1944. Class 21.
Magazines of Industry, Inc., New York, N. Y. Periodical. 406,120; Mar. 14; Serial No. 449,325; published Jan. 5, 1943. Class 38.
Maria Danica Laboratories Corporation, New York, N. Y. Soaps. 406,168; Mar. 14; Serial No. 463,727; published Jan. 4, 1944. Class 4.
Markle, C. C., doing business as City Chemical Co., Auburn, Ala. Ant poison. 406,208; Mar. 14; Serial No. 464,541; published Jan. 4, 1944. Class 6.
Marshall Field & Company, Chicago, Ill. Gingham in the piece. 186,746; renewed July 22, 1944.
Master Woodworker Manufacturing Company, Detroit, Mich. Woodworking machines. 184,959; renewed June 3, 1944.
Maury-Cole Company, assignor, by mesne assignments, to Canova Foods, Incorporated, Memphis, Tenn. Coffee. 183,365; renewed Apr. 29, 1944.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 406,176; Mar. 14; Serial No. 464,112; published Dec. 28, 1943. Class 38.
McKesson & Robbins, Incorporated, New York, N. Y. Analgesic tablets. 406,124; Mar. 14; Serial No. 456,317; published Jan. 12, 1943. Class 6.
McKewen, G. E. & Co., Baltimore, Md. Candy coated laxative tablets. 406,202; Mar. 14; Serial No. 464,441; published Jan. 4, 1944. Class 6.
Metasap Chemical Company, Harrison, N. J. Zinc stearate. 406,216; Mar. 14; Serial No. 464,654; published Jan. 4, 1944. Class 6.
Miller, A. John, doing business as Cadet Creme Company, Worcester, Mass. Preparation for filling the skin pores with an innocuous material. 406,244; Mar. 14. Class 6.
Miller, Alton L., doing business as Charles N. Miller Co., assignor to Charles N. Miller Co., Boston, Mass. Candies. 184,646; renewed May 27, 1944.
Miller, Alton L., doing business as Charles N. Miller Co., assignor to Charles N. Miller Co., Boston, Mass. Candies. 185,254; renewed June 10, 1944.
Miller, Charles N., Co. (See Miller, Alton L., assignor.)
Milligan, G. D., Grocer Company, Springfield, Mo. Canned vegetables. 183,348; renewed Apr. 29, 1944.
National Cigar Corporation, Wilmington, Del., Frankfort, Ind., and Cincinnati, Ohio. Cigars. 406,204; Mar. 14; Serial No. 464,487; published Jan. 4, 1944. Class 17.
National Soda Straw Company, Chicago, Ill. Drinking straws. 406,203; Mar. 14; Serial No. 464,443; published Jan. 4, 1944. Class 50.
Natone Co. (See Stolaroff, E. M.)
New Enterprises. (See Butler, Ursal K.)
Newman Clock Company, Inc., assignor to Detex Watchclock Corporation, New York, N. Y. Time clocks, time-recording apparatus, and parts, etc. 184,015; renewed May 13, 1944.
New York & Brooklyn Casket Co., Brooklyn, N. Y. Burial caskets, coffins and caskets, etc. 406,177; Mar. 14; Serial No. 464,141; published Jan. 4, 1944. Class 2.
Nobur Mfg. Co., Hollywood, Calif. Chamfering tools. 406,230; Mar. 14. Class 23.
Norwich Wire Works, Inc., Norwich, N. Y., assignor to Animal Trap Company of America, Lititz, Pa. Game traps. 180,730; renewed Mar. 4, 1944.
Obrecht, G. Fred, doing business as Gerard Milk Products Company, Baltimore, Md. Composition of soybean flour, barley malt flour and wheat malt flour. 406,238; Mar. 14. Class 46.
Ohio Chemical & Mfg. Co., The, Cleveland, Ohio. Epsom salt. 406,209; Mar. 14; Serial No. 464,546; published Jan. 4, 1944. Class 6.
Oliver Farm Equipment Company. (See American Seeding Machine Company, assignor.)
Parfums Weil Paris Co., New York, N. Y. Perfumes. 406,163; Mar. 14; Serial No. 463,552; published Jan. 4, 1944. Class 6.
Pemco Corporation, Baltimore, Md. Metal cleaner. 406,219; Mar. 14; Serial No. 464,759; published Jan. 4, 1944. Class 4.
Pinaud, Incorporated, New York, N. Y. Toilet soap. 406,218; Mar. 14; Serial No. 464,715; published Jan. 4, 1944. Class 4.
Plant, Thomas G., Company, Boston, Mass., assignor, by mesne assignments, to International Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. 186,704; renewed July 22, 1944.
Prince Matchabelli, Inc., New York, N. Y. Perfume. 406,134; Mar. 14; Serial No. 459,707; published Dec. 28, 1943. Class 6.
Products Corporation of America, Chicago, Ill., and St. Louis, Mo. Wheat germ oil capsules, halibut liver oil capsules, and vitamin capsules. 406,129; Mar. 14; Serial No. 458,338; published Mar. 23, 1943. Class 6.
Quinn-Marshall Company, Lynchburg, Va. Hosiery, sweaters, neckwear, etc. 186,506; renewed July 22, 1944.
Railton, B. A., Company, Chicago, Ill. Canned fruits, vegetables, fish, etc. 179,188; renewed Feb. 5, 1944.
Rainbow Shops, Inc., Brooklyn, N. Y. Feminine wearing apparel. 406,142; Mar. 14; Serial No. 461,208; published Dec. 28, 1943. Class 39.
Reade Manufacturing Company, Jersey City, N. J. Liquid weed killers. 406,193; Mar. 14; Serial No. 464,318; published Dec. 28, 1943. Class 6.
Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 406,150; Mar. 14; Serial No. 461,896; published Jan. 4, 1944. Class 49.
Reed, Edward, Ltd., New York, N. Y. Men's suits and topcoats. 406,131; Mar. 14; Serial No. 458,577; published Dec. 28, 1943. Class 39.
Regensburg, E., & Sons, New York, N. Y. Cigars. 186,633; renewed July 22, 1944.
Repro-Tone Company, Kansas City, Mo. Reproductions of photographic prints and illustrations in half-tone, etc. 406,119; Mar. 14; Serial No. 446,892; published Jan. 4, 1944. Class 38.
Revlon Products Corporation, New York, N. Y. Face powder, rouge, and make-up base. 406,135; Mar. 14; Serial No. 460,070; published Dec. 28, 1943. Class 6.
Rice-Stix Dry Goods Company, St. Louis, Mo. Cotton piece goods and woolen piece goods. 186,297; renewed July 8, 1944.
Ripon Knitting Works, Ripon, Wis. Leather gloves and mittens. 186,655; renewed July 22, 1944.
Roberts, Lewis, Inc., Newark, N. J. Printing inks. 406,169; Mar. 14; Serial No. 463,761; published Jan. 4, 1944. Class 11.
Robins Conveyors Incorporated, Passaic, N. J. Foundry shakeouts. 406,157; Mar. 14; Serial No. 462,972; published Oct. 26, 1943. Class 23.
Roddenbery, W. B., Co. (See Roddenbery, Walter B., assignor.)
Roddenbery, Walter B., assignor to W. B. Roddenbery Co., Cairo, Ga. Cane sirup. 186,950; renewed July 22, 1944.
Rohm & Haas Company, Philadelphia, Pa. Synthetic resin molding powders. 406,199; Mar. 14; Serial No. 464,372; published Jan. 4, 1944. Class 1.
Ro-Nat Sportwear Co., New York, N. Y. Ladies' and misses' sweaters. 406,194; Mar. 14; Serial No. 464,320; published Dec. 28, 1943. Class 39.
Rosenzweig, Joseph, Troy, N. Y. Underwear, union suits, shirts, etc. 186,914; renewed July 22, 1944.
Rothstein, A. J., doing business as Triangle Mills, New York, N. Y. Mercerized and plain cotton thread. 186,608; renewed July 22, 1944.

Ruebel, Daniel A., St. Louis, Mo. Blotters. 406,123; Mar. 14; Serial No. 455,518; published Jan. 4, 1944. Class 37.
Safety Ear Protector Co., Los Angeles, Calif. Rubber ear plugs. 406,210; Mar. 14; Serial No. 464,551; published Jan. 4, 1944. Class 44.
Scholastic Corporation, New York, N. Y. Weekly periodical. 406,205; Mar. 14; Serial No. 464,490; published Dec. 28, 1943. Class 38.
Seal Rite Caulking Co. (See Blatt, Max.)
Sebastiani Canning Co., Grand Junction, Colo. Canned food products. 406,201; Mar. 14; Serial No. 464,404; published Jan. 4, 1944. Class 46.
Security, Mills, Knoxville, Tenn., by change of name to Security Mills, Inc. Horse feed and dairy feed. 185,163; renewed June 10, 1944.
Seven Up Company, The, St. Louis, Mo. Carbonated, non-alcoholic, non-cereal, maltless beverages. 406,182; Mar. 14; Serial No. 464,233; published Dec. 21, 1943. Class 45.
Schenley Import Corporation, New York, N. Y. Wines. 406,223–4; Mar. 14; Serial Nos. 464,979–80; published Jan. 4, 1944. Class 47.
Schmidt & Ault Paper Co., York, Pa. Boxboard and wrapping paper. 181,141; renewed Mar. 11, 1944.
Schmidt & Ault Paper Co., York, Pa. Indented paper carpet lining. 181,795; renewed Mar. 25, 1944.
Scott Aviation Corporation, Iancaster, N. Y. Tail wheel assemblies. 406,229; Mar. 14. Class 19.
Sickles, Louis, Philadelphia, Pa. Pocket watches, wrist watches, bracelet watches, etc. 406,240; Mar. 14. Class 27.
Sickles, Louis, Philadelphia, Pa. Brooches, bar pins, spray pins, etc. 406,241; Mar. 14. Class 28.
Sleeper, Milton B., doing business as F M Company, New York, N. Y. Periodical. 406,172; Mar. 14; Serial No. 464,006; published Dec. 28, 1943. Class 38.
Soyajoy Food Company, Mount Vernon, N. Y. Preheated, oil treated, and salted soya beans. 406,159; Mar. 14; Serial No. 463,183; published Jan. 4, 1944. Class 46.
Sperry Candy Company. (See Barg & Foster Candy Company, assignor.)
Sperry Candy Company, Milwaukee, Wis. Candies. 185,248; renewed June 10, 1944.
Standard Brands Incorporated, New York, N. Y. Vitaminic composition. 406,188; Mar. 14; Serial No. 464,280; published Dec. 28, 1943. Class 6.
Standard Margarine Co., Inc., Indianapolis, Ind. Oleomargarine. 406,245; Mar. 14. Class 46.
Stauffer Chemical Company, San Francisco, Calif. Soil sulphur. 406,143; Mar. 14; Serial No. 461,394; published Dec. 28, 1943. Class 10.
Stolaroff, E. M., doing business as Natone Co., Los Angeles, Calif. Lipstick, rouge, and cosmetic make-up. 406,243; Mar. 14. Class 6.
Stroock, S., & Co., Inc., New York, N. Y. Llama cloth. 186,612; renewed July 22, 1944.
Stroock, S., & Co., Inc., New York, N. Y. Cashmere cloth. 186,615; renewed July 22, 1944.
Sun-Ray Hair Preparations Co. (See Lanhaus, Morris.)
Takamine Laboratory, Inc., Clifton, N. J. Clarifying material for use in the manufacture of vinegar. 182,330; renewed Apr. 8, 1944.
Taylor, E. E., Co., assignor to E. E. Taylor Corporation, Boston, Mass. Boots and shoes made wholly or in part of leather. 182,427; renewed Apr. 8, 1944.
Taylor, E. E., Corporation. (See Taylor, E. E., Co., assignor.)
Tecla Corporation, The. (Se Bourjois, A., & Co., Inc., assignor.)
Tecla Corporation, The. (See Bourjois, A., & Co., Inc., assignor.)
Teleradio Engineering Corporation, New York, N. Y. Wireless and electrical equipment. 180,240; renewed Feb. 26, 1944.
Tennessee Furniture Corporation, by change of name to Cavalier Corporation, Chattanooga, Tenn. Refrigerators. 185,105–6; renewed June 10, 1944.
Tennessee Furniture Corporation, by change of name to Cavalier Corporation, Chattanooga, Tenn. Furniture. 186,489–90; renewed July 22, 1944.
Terven, Lewis, doing business as Lewis Terven Co., Salinas, Calif. Fresh carrots. 406,237; Mar. 14. Class 46.
Terven, Lewis, Co. (See Terven, Lewis.)
Texas Company, The, New York, N. Y. Cutting oil. 406,195; Mar. 14; Serial No. 464,324; published Jan. 4, 1944. Class 15.
Textron, Inc., Providence, R. I. Nightgowns and slips for women and girls. 406,206; Mar. 14; Serial No. 464,492; published Dec. 28, 1943. Class 39.
Thomas, Albert M. (See Thomas, E. M.)
Thomas, E. M., Bessemer, Ala., to Albert M. Thomas, Sulphur Springs, Ga. Medicine for rheumatism, indigestion, dyspepsia, etc. 180,686; renewed Mar. 4, 1944.
Trappey, B. F., & Sons, Jeanerette, assignor to B. F. Trappey's Sons, Inc., New Iberia, La. Marmalades, fruit preserves, pecan-nut meats, etc. 186,842; renewed July 22, 1944.
Triangle Mills. (See Rothstein, Aaron J.)
Tribune Company, Chicago, Ill. Newspaper column. 406,212; Mar. 14; Serial No. 464,593; published Dec. 28, 1943. Class 38.
Tri-City Mfg. Co., Madison, to Tri-City Manufacturing Company, Venice, Ill. Arch supports. 185,728; renewed June 24, 1944.
Trimble, E. M., Mfg. Co. (See Kiddie-Town Products, Inc., assignor.)
Tylon Products, Inc., New York, N. Y. Cold permanent waving fluid. 406,213; Mar. 14; Serial No. 464,595; published Jan. 4, 1944. Class 6.
Tylon Products, Inc., New York, N. Y. Cold permanent waving fluid. 406,214; Mar. 14; Serial No. 464,594; published Jan. 4, 1944. Class 6.
United Elastic Corportion. (See Colton, Geo. S., assignor.)
United Press Associations, New York, N. Y. Printed press releases. 464,189–90; Mar. 14; Serial Nos. 464,291–2; published Dec. 28, 1943. Class 38.
Vitachrome Co. (See Dunlap, O. Z.)
Walker Vitamin Products, Inc., Mt. Vernon, N. Y. Vitamins and vitamin combinations. 406,139; Mar. 14; Serial No. 460,820; published Aug. 17, 1943. Class 6.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Vitamin composition. 406,197; Mar. 14; Serial No. 464,364; published Dec. 28, 1943. Class 6.
Weldize Corporation, The, Brooklyn, N. Y. Metallic rods and elements. 406,121; Mar. 14; Serial No. 452,572; published Dec. 14, 1943. Class 14.
Western-Austin Company. (See Austin Manufacturing Co.)
Williams, W. B., Centerville, Calif. Fresh vegetables. 406,180; Mar. 14; Serial No. 464,192; published Dec. 21, 1943. Class 46.
Willits & Company, Inc., San Francisco, Calif. Salad oil and manteca vegetal (vegetable lard). 406,233; Mar. 14. Class 46.
Wine Packers, Chester, W. Va. Wines. 406,140; Mar. 14; Serial No. 461,085; published Dec. 14, 1943. Class 47.
Winthrop Products Inc., New York, N. Y. Preparation for use in prophylaxis and treatment of allergic conditions. 406,148; Mar. 14; Serial No. 461,728; published Sept. 7, 1943. Class 6.
Wolf, Clarence M., Reno, Nev. Duodenal extract for subcutaneous or intravenous use, etc. 406,185; Mar. 14; Serial No. 464,258; published Dec. 28, 1943. Class 6.
Woolford, G., Wood Tank Mfg. Company, Camden, N. J., and Philadelphia and Darby, to G. Woolford Wood Tank Mfg. Company, Darby, Pa. Wood tanks for the textile industry, leather industry, etc. 186,583; renewed July 22, 1944.
Write Incorporated, Bridgeport, Conn. Typewriter ribbon and carbon paper. 406,215; Mar. 14; Serial No. 464,633; published Jan. 4, 1944. Class 11.
Yorktown Watch Co. (See Kitzinger, Richard C.)
Zetz 7Up Bottling Company, Inc., New Orleans, La. Carbonated beverages. 406,162; Mar. 14; Serial No. 463,502; published Dec. 7, 1943. Class 45.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Glass. Corning Glass Works. 406,115; Mar. 14; Serial No. 437,238; published Jan. 4, 1944.
Resin molding powders, Synthetic. Rohm & Haas Company. 406,199; Mar. 14; Serial No. 464,372; published Jan. 4, 1944.

CLASS 2

Buckets made of metal, burial caskets, bottoms for bins used as containers, etc. H. Darby. 406,173; Mar. 14; Serial No. 464,017; published Jan. 4, 1944.
Caskets, Burial, coffins and caskets, etc. New York & Brooklyn Casket Co. 406,177; Mar. 14; Serial No. 461,141; published Jan. 4, 1944.
Tanks for the textile industry, leather industry, etc., Wood. G. Woolford Wood Tank Mfg. Company. 186,583; renewed July 22, 1944.

CLASS 4

Cleaner, Metal. Pemco Corporation. 406,219; Mar. 14; Serial No. 464,759; published Jan. 4, 1944.
Soap, Toilet. Pinaud, Incorporated. 406,218; Mar. 14; Serial No. 464,715; published Jan. 4, 1944.
Soaps. Maria Danica Laboratories Corporation. 406,168; Mar. 14; Serial No. 463,727; published Jan. 4, 1944.

CLASS 5

Adhesives. Arabol M'f'g Co. 181,634; renewed Mar. 25, 1944.

CLASS 6

Analgesic tablets. McKesson & Robbins, Incorporated. 406,124; Mar. 14; Serial No. 456,317; published Jan. 12, 1943.
Capsules, halibut liver oil capsules, and vitamin capsules. Wheat germ oil. Products Corporation of America. 406,129; Mar. 14; Serial No. 458,338; published Mar. 23, 1943.
Chemical germicides, chemical insecticides, chemical fungicides, etc. Geigy Company, Inc. 406,217; Mar. 14; Serial No. 464,694; published Jan. 4, 1944.
Compositions for dehumidifying air and other gases. The Dicalite Company. 406,175; Mar. 14; Serial No. 464,105; published Jan. 4, 1944.
Compound for the treatment of gonorrhoea. Abbott Laboratories. 406,164; Mar. 14; Serial No. 463,563; published Nov. 23, 1943.
Concentrate of sulphur chlorine and triglycerides and naphthenes of lead. Elco Grease and Oil Company. 406,231; Mar. 14.
Cosmetic in the nature of a solidified cream. Max Factor & Co. 406,126–7; Mar. 14; Serial Nos. 457,543–4; published July 20, 1943.
Cosmetics. E. R. Lamont. 406,179; Mar. 14; Serial No. 464,173; published Dec. 28, 1943.
Disinfectant, Medicated nest egg for killing vermin and for use as a. John G. Booth. 406,198; Mar. 14; Serial No. 464,365; published Jan. 4, 1944.
Duodenal extract for subcutaneous or intravenous use, etc. C. M. Wolf. 406,185; Mar. 14; Serial No. 464,258; published Dec. 28, 1943.
Epsom salt. The Ohio Chemical & Mfg. Co. 406,209; Mar. 14; Serial No. 464,546; published Jan. 4, 1944.
Estrogenic hormone preparation. Lehn & Fink Products Corporation. 406,174; Mar. 14; Serial No. 464,022; published Dec. 28, 1943.
Estrogenic preparation, Veterinary synthetic. Abbott Laboratories. 406,158; Mar. 14; Serial No. 463,087; published Nov. 16, 1943.
Face creams, face lotions, face powder, etc. Elmo Sales Corporation. 406,178; Mar. 14; Serial No. 464,160; published Dec. 28, 1943.
Face creams, talcum powders, face powders, etc. The Boyd Manufacturing Company, Inc., The. 406,166; Mar. 14; Serial No. 463,719; published Dec. 28, 1943.
Flux (for solder). Gazzolo Drug & Chemical Company. 186,793; renewed July 22, 1944.
Insecticides. Kentucky Color & Chemical Co. 406,152; Mar. 14; Serial No. 461,954; published Sept. 7, 1943.
Kidney extract for intravenous use, etc. G. O. Jarvis. 406,184; Mar. 14; Serial No. 464,250; published Dec. 28, 1943.
Lipstick, rouge, and cosmetic make-up. E. M. Stolaroff. 406,243; Mar. 14.
Lipstick, rouge for the face, face powder, etc. Dermetics, Inc. 406,118; Mar. 14; Serial No. 446,489; published Dec. 28, 1943.
Medicinal preparation for use in the treatment of seasickness. G. Gallowhur. 406,132; Mar. 14; Serial No. 459,002; published Dec. 28, 1943.
Medicine for rheumatism, indigestion, dyspepsia, etc. E. M. Thomas. 180,686; renewed Mar. 4, 1944.
Metallic iron, Finely divided and substantially pure. Thomas A. Edison, Incorporated. 406,207; Mar. 14; Serial No. 464,536; published Jan. 4, 1944.
Oil, Facial. H. L. Barker. 406,239; Mar. 14.
Perfume. Prince Matchabelli, Inc. 406,134; Mar. 14; Serial No. 459,707; published Dec. 28, 1943.
Perfumes. Parfums Weil Paris Co. 406,163; Mar. 14; Serial No. 463,552; published Jan. 4, 1944.
Permanent waving fluid, Cold. Tylon Products, Inc. 406,213; Mar. 14; Serial No. 464,595; published Jan. 4, 1944.
Permanent waving fluid, Cold. Tylon Products, Inc. 406,214; Mar. 14; Serial No. 464,594; published Jan. 4, 1944.
Poison, Ant. C. C. Markle. 406,208; Mar. 14; Serial No. 464,541; published Jan. 4, 1944.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 406,141; Mar. 14; Serial No. 461,133; published Aug. 17, 1943.
Powder, Face. A. Bourjois & Co. 177,712; renewed Dec. 25, 1943.
Powder, rouge, and make-up base, Face. Revlon Products Corporation. 406,135; Mar. 14; Serial No. 460,070; published Dec. 28, 1943.
Preparation for filling the skin pores with an innocuous material. A. J. Miller. 406,244; Mar. 14.
Preparation for the hair and scalp. M. Lamhaus. 406,211; Mar. 14; Serial No. 464,576; published Jan. 4, 1944.
Preparation for use in prophylaxis and treatment of allergic conditions. Winthrop Products Inc. 406,148; Mar. 14; Serial No. 461,728; published Sept. 7, 1943.
Seno-Mint (a laxative). Abbott Laboratories. 181,416; renewed Mar. 18, 1944.
Solid material, aiding filtration and deemulsification of liquids, Finely divided. Celite Products Company. 181,463; renewed Mar. 18, 1944.
Solvent. W. J. Huff. 186,962; renewed July 22, 1944.
Tablets, Candy coated laxative. G. E. McKewen & Co. 406,202; Mar. 14; Serial No. 464,441; published Jan. 4, 1944.
Tea, Laxative medicinal. A. A. Brouillard. 406,242; Mar. 14.
Toilet preparations. Keene's Laboratories Limited. 406,153; Mar. 14; Serial No. 462,752; published Dec. 28, 1943.
Toilet water, bath oil, bath foam, etc. M. de Botelho. 406,113; Mar. 14; Serial No. 432,428; published Sept. 10, 1940.
Vitamin capsules. Grove Laboratories, Inc. 406,128; Mar. 14; Serial No. 457,913; published May 25, 1943.
Vitamin composition. William R. Warner & Co. Inc. 406,197; Mar. 14; Serial No. 464,364; published Dec. 28, 1943.
Vitamin tablet. O. Z. Dunlap. 406,200; Mar. 14; Serial No. 464,388; published Jan. 4, 1944.
Vitaminic composition. Standard Brands Incorporated. 406,188; Mar. 14; Serial No. 464,280; published Dec. 28, 1943.
Vitamins and vitamin combinations. Walker Vitamin Products, Inc. 406,139; Mar. 14; Serial No. 460,820; published Aug. 17, 1943.
Weed killers, Liquid. Reade Manufacturing Company. 406,193; Mar. 14; Serial No. 464,318; published Dec. 28, 1943.
Zinc stearate. Metasap Chemical Company. 406,216; Mar. 14; Serial No. 464,654; published Jan. 4, 1944.

CLASS 10

Soil sulphur. Stauffer Chemical Company. 406,143; Mar. 14; Serial No. 461,394; published Dec. 28, 1943.

CLASS 11

Printing inks. Lewis Roberts, Inc. 406,168; Mar. 14; Serial No. 463,761; published Jan. 4, 1944.
Ribbon and carbon paper, Typewriter. Write Incorporated. 406,215; Mar. 14; Serial No. 464,633; published Jan. 4, 1944.

CLASS 12

Caulking compounds. M. Blatt. 406,232; Mar. 14.
Roofing and siding products, Saturated felt base. Celotex Corporation. 406,114; Mar. 14; Serial No. 432,713; published Jan. 4, 1944.

CLASS 13

Bathtubs and combination bath cabinets and tubs, Infants' folding. Kiddie-Town Products, Inc. 184,836; renewed June 3, 1944.
Hanger inserts and furring inserts. Goldsmith Metal Lath Company. 186,505; renewed July 22, 1944.
Screens, Fly. Cincinnati Fly Screen Company. 186,597; renewed July 22, 1944.
Valves, urinal valves, shower mixing valves, etc., Flush. Hedges & Brother. 186,596; renewed July 22, 1944.

CLASS 14

Metallic rods and elements. Weldize Corporation. 406,121; Mar. 14; Serial No. 452,572; published Dec. 14, 1943.
Steel in the form of wire, strips, bars, etc. Carpenter Steel Company. 406,236; Mar. 14.

CLASS 15

Oil, Cutting. Texas Company. 406,195; Mar. 14; Serial No. 464,324; published Jan. 4, 1944.

CLASS 17

Cigarettes, cigars, snuff tobacco, etc. Lane Tobacco Ltd. 406,156; Mar. 14; Serial No. 462,805; published Jan. 4, 1944.
Cigars. E. Regensburg & Sons. 186,633; renewed July 22, 1944.
Cigars. National Cigar Corporation. 406,204; Mar. 14; Serial No. 464,487; published Jan. 4, 1944.
Tobacco, Smoking. Gordon Pipe Co. 406,192; Mar. 14; Serial No. 464,310; published Jan. 4, 1944.
Tobacco, Smoking. J. G. Flynt Tobacco Co. 186,623; renewed July 22, 1944.

CLASS 19

Truck caster wheels. Faultless Caster Corporation. 406,136; Mar. 14; Serial No. 460,291; published June 29, 1943.
Wheel assemblies, Tail. Scott Aviation Corporation. 406,229; Mar. 14.

CLASS 20

Linoleum, linoleum tile, cork carpet, etc., Plain and inlaid. Congoleum-Nairn Inc. 406,170; Mar. 14; Serial No. 463,809; published Dec. 28, 1943.
Mats, linoleum rugs, felt base mats, etc., Linoleum. R. A. Ginsburg. 406,234; Mar. 14.

CLASS 21

Detecting and alarm systems, Electrically operated. Automatic alarms, Incorporated. 406,122; Mar. 14; Serial No. 455,320; published Jan. 4, 1944.
Electrical apparatus. City Electric Company. 180,354; renewed Feb. 26, 1944.
Floor polishers and cleaners, Electrically operated. M. & C. Maintenance Co. 406,117; Mar. 17; Serial No. 445,293; published Jan. 4, 1944.

Wireless and electrical equipment. Teleradio Engineering Corporation. 180,240; renewed Feb. 26, 1944.

CLASS 22

Toy carts mounting animal figures. U. K. Butler. 406,186; Mar. 14; Serial No. 464,264; published Jan. 4, 1944.

CLASS 23

Foundry shakeouts. Robins Conveyors Incorporated. 406,157; Mar. 14; Serial No. 462,972; published Oct. 26, 1943.
Grass-seed drills, cultivators, potato planters, etc. American Seeding Machine Company. 182,386; renewed Apr. 8, 1944.
Manifold lubricators, lubricator manifolds, etc. Keystone Lubricating Company. 186,683; renewed July 22, 1944.
Road machines. Austin Manufacturing Co. 186,759; renewed July 22, 1944.
Tools, Chamfering. Nobur Mfg. Co. 406,230; Mar. 14.
Woodworking machines. Master Woodworker Manufacturing Company. 184,959; renewed June 3, 1944.

CLASS 26

Egg-candling machines. Bramson Manufacturing Co. 406,137; Mar. 14; Serial No. 460,415; published Jan. 4, 1944.
Thermometers and hydrometers. Wm. Hiergesell & Sons. 186,602; renewed July 22, 1944.

CLASS 27

Time clocks, time-recording apparatus, and parts, etc. Newman Clock Company. 184,015; renewed May 13, 1944.
Watches. Benrus Watch Company. 406,138; Mar. 14. Serial No. 460,516; published Jan. 4, 1944.
Watches. R. C. Kitzinger. 406,235; Mar. 14.
Watches, wrist watches, bracelet watches, etc., Pocket. L. Sickles. 406,240; Mar. 14.

CLASS 28

Brooches, bar pins, spray pins, etc. L. Sickles. 406,241; Mar. 14.
Clips, brooches, bracelets, etc., Jewelry. Elzac California Jewelry Creations. 406,165; Mar. 14; Serial No. 463,622; published Jan. 4, 1944.

CLASS 29

Brushes, Artists'. M. Grumbacher. 182,250–3; renewed Apr. 8, 1944.

CLASS 31

Refrigerators. Tennessee Furniture Corporation. 185,105–6; renewed June 10, 1944.
Solid material aiding filtration and deemulsification of liquids, Finely divided. Celite Co. 183,042; renewed Apr. 22, 1944.

CLASS 32

Filing cases, file cases, and cabinets, etc., Letter and card. Diebold Safe & Lock Company. 406,133; Mar. 14; Serial No. 459,654; published Jan. 4, 1944.
Furniture. Tennessee Furniture Corporation. 186,489–90; renewed July 22, 1944.

CLASS 35

Belts, Power transmission. Gates Rubber Company. 406,227; Mar. 14; Serial No. 465,202; published Jan. 4, 1944.

CLASS 36

Strings for violins and similar musical instruments. Wm. Lewis & Son. 182,378; renewed Apr. 8, 1944.

CLASS 37

Blotters. D. A. Ruebel. 406,123; Mar. 14; Serial No. 455,518; published Jan. 4, 1944.
Boxboard and wrapping paper. Schmidt & Ault Paper Co. 181,141; renewed Mar. 11, 1944.
Lead pencils and rubber erasers. Eberhard Faber Pencil Company. 406,196; Mar. 14; Serial No. 464,335; published Jan. 4, 1944.
Paper, pencils, art gum erasers, etc., Drawing. H. Behlen & Bros., Inc. 406,145; Mar. 14; Serial No. 461,429; published Jan. 4, 1944.
Paper, Sulphate. Crossett Lumber Company. 406,160; Mar. 4; Serial No. 463,314; published Jan. 4, 1944.
Paper, wax lunch roll, dry and waxed shredded paper, etc., Wax. Bennington Wax Paper Company. 178,636; renewed Jan. 15, 1944.

CLASS 38

Magazine. Jacobs Aircraft Engine Company. 406,151; Mar. 14; Serial No. 461,953; published Jan. 4, 1944.
Magazines. McGraw-Hill Publishing Company. 406,176; Mar. 14; Serial No. 464,112; published Dec. 28, 1943.
Newspaper. King Features Syndicate, Inc. 406,181; Mar. 14; Serial No. 464,198; published Jan. 4, 1944.
Newspaper column. Tribune Company. 406,212; Mar. 14; Serial No. 464,593; published Dec. 28, 1943.
Periodical. Associated Industries of Massachusetts. 406,116; Mar. 14; Serial No. 445,003; published Feb. 2, 1943.
Periodical. Magazines of Industry, Inc. 406,120; Mar. 14; Serial No. 449,325; published Jan. 5, 1943.
Periodical. M. B. Sleeper. 406,172; Mar. 14; Serial No. 464,006; published Dec. 28, 1943.
Periodical, Weekly. Scholastic Corporation. 406,205; Mar. 14; Serial No. 464,490; published Dec. 28, 1943.
Press releases, Printed. United Press Associations. 464,189–90; Mar. 14; Serial Nos. 464,291–2; published Dec. 28, 1943.
Publication, Monthly. Control Instrument Company. 406,183; Mar. 14; Serial No. 464,247; published Jan. 4, 1944.
Reproductions of photographic prints and illustrations in half-tone, etc. Repro-Tone Company. 406,119; Mar. 14; Serial No. 446,892; published Jan. 4, 1944.

CLASS 39

Apparel, Feminine wearing. Rainbow Shops, Inc. 406,142; Mar. 14; Serial No. 461,208; published Dec. 28, 1943.
Boots and shoes made wholly or in part of leather. E. E. Taylor Co. 182,427; renewed Apr. 8, 1944.
Boots, shoes, and slippers. Thomas G. Plant Company. 186,704; renewed July 22, 1944.
Clothing. Sigmund Eisner Company. 186,933; renewed July 22, 1944.
Gloves and mittens, Leather. Ripon Knitting Works. 186,655; renewed July 22, 1944.
Hats and caps. Joseph Lazarus Company. 186,654; renewed July 22, 1944.
Hosiery. J. L. Hudson Company. 186,925; renewed July 22, 1944.
Hosiery, sweaters, neckwear, etc. Quinn-Marshall Company. 186,506; renewed July 22, 1944.
Nightgowns and slips for women and girls. Textron, Inc. 406,206; Mar. 14; Serial No. 464,492; published Dec. 28, 1943.
Pants, Men's and women's. Apollo Sportswear Company. 406,191; Mar. 14; Serial No. 464,299; published Dec. 28, 1943.
Suits and topcoats, Men's. Edward Reed, Ltd. 406,131; Mar. 14; Serial No. 458,577; published Dec. 28, 1943.
Sweaters and knit goods. Carter Dry Goods Co. 186,530; renewed July 22, 1944.
Sweaters, Ladies' and misses'. Ro-Nat Sportwear Co. 406,194; Mar. 14; Serial No. 464,320; published Dec. 28, 1943.
Underwear, union suits, shirts, etc. J. Rosenzweig. 186,914; renewed July 22, 1944.

CLASS 40

Combs, Hard rubber. American Hard Rubber Company. 186,848; renewed July 22, 1944.
Elastic webs, Narrow. Geo. S. Colton Elastic Web Co. 186,713; renewed July 22, 1944.

CLASS 42

Cashmere cloth. S. Stroock & Co. 186,615; renewed July 22, 1944.
Fabrics in the piece made of wool, worsted, silk, etc. A-Q Mills. 406,144; Mar. 14; Serial No. 461,406; published Dec. 21, 1943.
Gingham in the piece. Marshall Field & Company. 186,746; renewed July 22, 1944.
Llama cloth. S. Stroock & Co. 186,612; renewed July 22, 1944.
Piece goods and woolen piece goods, Cotton. Rice-Stix Dry Goods Company. 186,297; renewed July 8, 1944.
Piece goods, Knitted silk. Chopak Textile Company. 186,630; renewed July 22, 1944.

CLASS 43

Thread, Mercerized and plain cotton. A. J. Rothstein. 186,608; renewed July 22, 1944.

CLASS 44

Arch supports. Tri-City Mfg. Co. 185,728; renewed June 24, 1944.
Ear plugs, Rubber. Safety Ear Protector Co. 406,210; Mar. 14; Serial No. 464,551; published Jan. 4, 1944.
Thermometers, hypodermic syringes, urethral syringes, etc., Clinical. Eisele & Company. 406,130; Mar. 14; Serial No. 458,457; published Jan. 4, 1944.

CLASS 45

Beverages, Carbonated. Zetz 7Up Bottling Company. 406,162; Mar. 14; Serial No. 463,502; published Dec. 7, 1943.
Beverages, Carbonated, non-alcoholic, non-cereal, maltless. Seven Up Company. 406,182; Mar. 14; Serial No. 464,233; published Dec. 21, 1943.
Beverages, Nonalcoholic, noncereal, maltless. Colfax Mineral Springs Co. Inc. 406,167; Mar. 14; Serial No. 463,725; published Dec. 28, 1943.
Beverages, Nonalcoholic, noncereal, maltless. John Graf Company. 406,221; Mar. 14; Serial No. 464,816; published Dec. 21, 1943.

Concentrates, syrups, flavors, etc. Kogar Products Co. 406,125; Mar. 14; Serial No. 457,441; published May 11, 1943.
Imitation lemon. M. Latz. 406,187; Mar. 14; Serial No. 464,269; published Dec. 28, 1943.
Soft drinks, and sirups and concentrates, Non-alcoholic, maltless. M. Harrison. 406,154; Mar. 14; Serial No. 462,711; published Dec. 14, 1943.

CLASS 46

Alimentary pastes. La Cie. C. H. Catelli, Limitée. 174,951; renewed Oct. 30, 1944.
Alimentary paste products. Beech-Nut Packing Company. 186,900; renewed July 22, 1944.
Apples, Fresh. N. M. Borina. 186,810; renewed July 22, 1944.
Bread, cakes, and pastries. L. D. Houlis. 406,228; Mar. 14.
Butter. H. N. Brawner, Jr. 179,470; renewed Feb. 12, 1944.
Butter and horse-radish. Columbia Cheese Company. 186,904; renewed July 22, 1944.
Candies. F. M. Kranz. 183,937; renewed May 13, 1944.
Candies. A. L. Miller. 184,646; renewed May 27, 1944.
Candies. A. L. Miller. 185,254; renewed June 10, 1944.
Candies. Sperry Candy Company. 185,248; renewed June 10, 1944.
Candy. Fenn Brothers. 186,881; renewed July 22, 1944.
Cane sirup. W. B. Roddenbery Co. 186,950; renewed July 22, 1944.
Canned berries and fruits, pork and beans. Fassett & Company. 186,875; renewed July 22, 1944.
Canned food products. Sebastiani Canning Co. 406,201; Mar. 14; Serial No. 464,404; published Jan. 4, 1944.
Canned fruits, vegetables, fish, etc. B. A. Railton Company. 179,188; renewed Jan. 5, 1944.
Carrots, Fresh. L. Terven. 406,237; Mar. 14.
Chemical neutralizers. J. J. Bork. 186,487; renewed July 22, 1944.
Coffee. Maury-Cole Company. 183,365; renewed Apr. 29, 1944.
Composition of soybean flour, barley malt flour, and wheat malt flour. G. F. Obrecht. 406,238; Mar. 14.
Confectionery. Barg & Foster Candy Company. 181,053; renewed Mar. 11, 1944.
Confectionery. Barg & Foster Candy Company. 181,062; renewed Mar. 11, 1944.
Feed for livestock and poultry, Mixed. Happy Mills. 406,222; Mar. 14; Serial No. 464,856; published Jan. 4, 1944.
Flour, Wheat. Colorado Milling & Elevator Co. 181,764; renewed Mar. 25, 1944.
Horse feed and dairy feed. Security Mills. 185,163; renewed June 10, 1944.
Marmalades, fruit preserves, pecan-nut meats, etc. B. F. Trappey & Sons. 186,842; renewed July 22, 1944.
Middlings, dairy feed, wheat flour, etc. Charleston Milling & Produce Company. 186,585; renewed July 22, 1944.
Oil and manteca vegetal (vegetable lard), Salad. Willits & Company, Inc. 406,233; Mar. 14.
Oleomargarine. Standard Margarine Co. 406,245; Mar. 14.
Soya beans, Preheated, oil treated, and salted. Soyajoy Food Company. 406,159; Mar. 14; Serial No. 463,183; published Jan. 4, 1944.
Vegetables, Canned. G. D. Milligan Grocer Company. 183,348; renewed Apr. 29, 1944.
Vegetables, Fresh. W. B. Williams. 406,180; Mar. 14; Serial No. 464,192; published Dec. 21, 1943.
Vinegar, Clarifying material for use in the manufacture of. Takamine Laboratory, Inc. 182,330; renewed Apr. 8, 1944.

CLASS 47

Wines. Lucien Ardin, Inc. 406,155; Mar. 14; Serial No. 462,737; published Jan. 4, 1944.
Wines. Schenley Import Corporation. 406,223–4; Mar. 14; Serial Nos. 464,979–80; published Jan. 4, 1944.
Wines. Wine Packers. 406,140; Mar. 14; Serial No. 461,085; published Dec. 14, 1943.

CLASS 49

Brandy. R. M. Garza. 406,161; Mar. 14; Serial No. 463,380; published Jan. 4, 1944.
Rum. Asche-Bandor Corporation. 406,170; Mar. 14; Serial No. 463,827; published Jan. 4, 1944.
Rum. Compania De Destilerias Internationales, Inc. 406,225; Mar. 14; Serial No. 465,124; published Jan. 4, 1944.
Rum. Compania De Destilerias Internationales, Inc. 406,226; Mar. 14; Serial No. 465,127; published Jan. 4, 1944.
Whiskey. Bernheim Distilling Company. 406,220; Mar. 14; Serial No. 464,775; published Jan. 4, 1944.
Whiskey. Dillinger Distilleries, Inc. 406,149; Mar. 14; Serial No. 461,841; published Dec. 28, 1943.
Whiskey. Dowling Bros. Distilling Co. Incorporated. 406,146–7; Mar. 14; Serial Nos. 461,551–2; published Dec. 28, 1943.
Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 406,150; Mar. 14; Serial No. 461,896; published Jan. 4, 1944.

CLASS 50

Carpet lining, Indented paper. Schmidt & Ault Paper Co. 181,795; renewed Mar. 25, 1944.
Cloth, for use as an acoustical membrane, Cotton. Johns-Manville, Incorporated. 179,922; renewed Feb. 19, 1944.
Game traps. Norwich Wire Works, Inc. 180,730; renewed Mar. 4, 1944.
Straws, Drinking. National Soda Straw Company. 406,203; Mar. 14; Serial No. 464,443; published Jan. 4, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Everlasting Valve Company. (See Wilson, Wylie G., assignor.)
Jeppson, George N., and T. Larsson, assignors to Norton Company, Worcester, Mass. Segmental abrasive wheel. Re. 22,457; Mar. 14.
Larsson, Thure. (See Jeppson, G. N., and Larsson.)
Norton Company. (See Jeppson, G. N., and Larsson, assignors.)
Wilson, Wylie G., Elizabeth, assignor to Everlasting Valve Company, Jersey City, N. J. Valve. Re. 22,455; Mar. 14.
Wise, George, Brooklyn, N. Y. Cabinet. Re. 22,456; Mar. 14.

LIST OF DESIGN PATENTEES

Adams, Frances, New York, N. Y. Hat. 137,471; Mar. 14.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Folding dental chair. 137,434; Mar. 14.
Bartusch, Alexander P., Lockport, N. Y. Bow compass. 137,435; Mar. 14.
Bedell, Walter, Glen Cove, N. Y. Nail set. 137,458; Mar. 14.
Bendix Aviation Corporation. (See Miles, John R., assignor.)
Birsh, Henry, New York, N. Y. Single-blade propeller. 137,472; Mar. 14.
Birsh, Henry, New York, N. Y. Offset double propeller. 137,473; Mar. 14.
Clist, Albert D., Purdy, assignor to Wollner-Clist Inc., New York, N. Y. Scatter rug or similar article of manufacture. 137,443; Mar. 14.
Colmery, Andrew W., Canton, Ohio. Combination protractor or similar article. 137,459; Mar. 14.
Columbia Protektosite Company. (See Desimone, Anthony J., assignor.)
Coro, Inc. (See Katz, Adolph, assignor.)
Crook, Phoebe A., South Gate, Calif. Necktie holder. 137,436; Mar. 14.
Davidson, Clinton J., San Diego, Calif. Toy top. 137,444; Mar. 14.
Desimone, Anthony J., Lyndhurst, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Comb. 137,474; Mar. 14.
Deutsch, Arthur, Chicago, Ill. Refuse receptacle. 137,448; Mar. 14.
Driscoll, Donald J., assignor to Strand Ski Company, New Richmond, Wis. Infant's chair. 137,437; Mar. 14.
Engel, John H., Escondido, Calif. Die for forming metal sheets. 137,460; Mar. 14.
Etkin, Simon, New York, N. Y. Jacket. 137,449; Mar. 14.
Fairbanks, Clarence L., Buffalo, Mont. Dental floss holder. 137,450; Mar. 14.
Goldstein, Morris E., Denver, Colo. Display device or similar article. 137,438; Mar. 14.
Harstad, Norman H., Berkeley, Calif. Dagger. 137,451; Mar. 14.
Incardona, Sam, Waco, Tex. Shoe sole. 137,439; Mar. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 137,461; Mar. 14.
Koret, Joe, San Francisco, Calif. Blouse. 137,452; Mar. 14.
Lintern Corporation, The. (See Lintern, William A., assignor.)
Lintern, William A., assignor to The Lintern Corporation, Berea, Ohio. Portable sanding machine. 137,453; Mar. 14.
Long, Milo C., Tiffin, Ohio. Scoop. 137,440; Mar. 14.
Manners, Frank, New York, N. Y. Emblematic badge or similar article. 137,462; Mar. 14.
Marietta Chair Company. (See Nordby, Peter J., assignor.)
Matlen, Edward A., Brooklyn, N. Y. Lady's hat. 137,454; Mar. 14.
Miles, John R., West Englewood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Binocular or the like. 137,441; Mar. 14.
Morehead, James A., Huntington, assignor to Sinclair Glass Company, Ceredo, W. Va. Picture frame. 137,475; Mar. 14.
Naddeo, Rocco J., Brooklyn, N. Y. Separable cigarette holder. 137,463; Mar. 14.
Nedblake, Greydon W., and R. H. Nordeen, North Kansas City, Mo. Tape dispenser. 137,464; Mar. 14.
Nielsen, Clayton P., Chicago, Ill. Arc welding device. 137,465; Mar. 14.
Nordby, Peter J., assignor to Marietta Chair Company, Marietta, Ohio. High chair tray. 137,442; Mar. 14.
Nordeen, Ray H. (See Nedblake, G. H., and Nordeen.)
Perper, Kay, Woodside, Long Island, N. Y. Two-faced doll. 137,445; Mar. 14.
Pierson, Harold L., assignor to E. P. Reed & Co., Rochester, N. Y. Combined sole and heel of a shoe. 137,466; Mar. 14.
Reed, E. P., & Co. (See Pierson, Harold L., assignor.)
Rost, Katheryn, New York, N. Y. Dress. 137,467; Mar. 14.
S. S. White Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
Schenk, Everett, New York, N. Y. Scarf. 137,455; Mar. 14.
Schmeiser, Theodore G., Fresno, Calif. Cultivator ring. 137,446; Mar. 14.
Schulist, Bernard H., Shaker Heights, assignor to The World Publishing Company, Cleveland, Ohio. Combined tax return filing portfolio and record book. 137,476; Mar. 14.
Sinclair Glass Company. (See Morehead, James A., assignor.)
Smith, Thomas C., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Food dehydrater. 137,468; Mar. 14.
Stewart-Warner Corporation. (See Smith, Thomas C., assignor.)
Strand Ski Company. (See Driscoll, Donald J., assignor.)
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 137,447; Mar. 14.
Walker, Joset, New York, N. Y. Dress. 137,456; Mar. 14.
Walker, Joset, New York, N. Y. Dress. 137,457; Mar. 14.
Welk, Lawrence, Chicago, Ill. Menu card. 137,469; Mar. 14.
Wetterhahn, Siegbert, New York, N. Y. Combined wallet and case for keys and similar items. 137,470; Mar. 14.
Wollner-Clist Inc. (See Clist, Albert D., assignor.)
World Publishing Company, The. (See Schulist, Bernard H., assignor.)

LIST OF PATENTEES

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PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Charles W., Larchmont, N. Y. Method and apparatus for coating. 2,343,858; Mar. 14.

Adamoli, Carlo, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del. Obtaining soluble beryllium compounds starting from ores containing beryllium. 2,344,480; Mar. 14.

Adams, Robert T., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for applying tape upon articles. 2,344,340; Mar. 14.

Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Reitz, Henry C., assignor.)

Aiken, Thomas M., Pittsburgh, Pa. Camera. 2,344,382; Mar. 14.

Air Reduction Company. (See Crowe, John J., assignor.)

Airtress Corporation of America. (See Perry, George H., assignor.)

Alexander, Emmett L., and A. W. Braithwaite, assignors to The George E. Failing Supply Company, Enid, Okla. Shoring for portable drilling rigs. 2,344,383; Mar. 14.

Alien Property Custodian. (See Altenkirch, Edmund.)
Alien Property Custodian. (See Asahina, Haruyo.)
Alien Property Custodian. (See Baumheier, Erich.)
Alien Property Custodian. (See Beldimano, Alessandro.)
Alien Property Custodian. (See Berger, Susannah, née Keresztes.)
Alien Property Custodian. (See Berlek, Josef.)
Alien Property Custodian. (See Bonfiglioli, Enrico.)
Alien Property Custodian. (See Borracci, Pasquale.)
Alien Property Custodian. (See Boucher, Jacques.)
Alien Property Custodian. (See Bredtschneider, Walter.)
Alien Property Custodian. (See Bretagne, Robert H. L.)
Alien Property Custodian. (See Brissonnet, P., and Durand.)
Alien Property Custodian. (See Claude, André.)
Alien Property Custodian. (See Coiffu, Pierre.)
Alien Property Custodian. (See Dardelet, Robert L.)
Alien Property Custodian. (See de Ram, Georges H. E.)
Alien Property Custodian. (See Dietrich, Herbert.)
Alien Property Custodian. (See Dorsman, C., Reynst, and Veldhuizen.)
Alien Property Custodian. (See Fernier, Bernard M. H. P.)
Alien Property Custodian. (See Freitag, R., and Stoeckicht.)
Alien Property Custodian. (See Giloy, Franz.)
Alien Property Custodian. (See Goy, Herbert.)
Alien Property Custodian. (See Hagedorn, Gerhard.)
Alien Property Custodian. (See Hagedorn, G., Luxer, and Wahl.)
Alien Property Custodian. (See Halbig, P., Matthias, and Treibs.)
Alien Property Custodian. (See Harms, Viggo.)
Alien Property Custodian. (See Hegwein, Georg.)
Alien Property Custodian. (See Hetz, Alfred.)
Alien Property Custodian. (See Hinnerfeldt, Einer E. A.)
Alien Property Custodian. (See Kallmann, H. I., and Kuhn.)
Alien Property Custodian. (See Klein, Hermann.)
Alien Property Custodian. (See Koch, Rudolf.)
Alien Property Custodian. (See Komenda, Erwin.)
Alien Property Custodian. (See Külz, Fritz.)
Alien Property Custodian. (See Kümmich, Theodor.)
Alien Property Custodian. (See Küppenbender, H., Eyth, and Jörg.)
Alien Property Custodian. (See Latour, Maurice.)
Alien Property Custodian. (See Leclabart, Jean.)
Alien Property Custodian. (See Lehmann, Harry.)
Alien Property Custodian. (See Lenta, Giuseppe.)
Alien Property Custodian. (See Lohse, Julius.)
Alien Property Custodian. (See Loinaz, Salustiano.)
Alien Property Custodian. (See Malczewski, Jérémi.)
Alien Property Custodian. (See Meininghaus, Ulrich.)
Alien Property Custodian. (See Meier, Georg.)
Alien Property Custodian. (See Meisterhans, Josef.)
Alien Property Custodian. (See Morton, André A.)
Alien Property Custodian. (See Otto, Michael.)
Alien Property Custodian. (See Peters, Gerhard.)
Alien Property Custodian. (See Petersen, O., and Lindberg-Nielsen.)
Alien Property Custodian. (See Rauh, Hermann.)
Alien Property Custodian. (See Röber, C. F., and Röthig.)
Alien Property Custodian. (See Rossmanith, Wolfgang.)
Alien Property Custodian. (See Ryba, Anton.)
Alien Property Custodian. (See Rybka, Benno.)
Alien Property Custodian. (See Scheibe, Alfred.)
Alien Property Custodian. (See Schotte, H., and Ebert.)
Alien Property Custodian. (See Sickinger, Helmut.)
Alien Property Custodian. (See Sturm, Erwin.)
Alien Property Custodian. (See Tritsmans, R. G., and Hendricx.)
Alien Property Custodian. (See van Gelder, Dirk W.)
Alien Property Custodian. (See Vierling, O., and Gänswein.)
Alien Property Custodian. (See Villem, Raymond.)
Alien Property Custodian. (See Wagner, Max.)
Alien Property Custodian. (See Waseige, Charles R.)
Alien Property Custodian. (See Wilfert, K., and Barényi.)
Alien Property Custodian. (See Winkelmann, Otto.)
Alien Property Custodian. (See Wunderlich, Friedrich.)
Alien Property Custodian. (See Zeininger, Gustav.)

Allen, Albert, and R. W. Cusnman, Sharon, assignors to The Foxboro Company, Foxboro, Mass. Humidity measuring and control apparatus. 2,343,878; Mar. 14.

Allen, Charles F. H., and C. V. Wilson, assignors to Eastman Kodak Company, Rochester, N. Y. Hardening photographic gelatin. 2,344,013; Mar. 14.

Allied Chemical & Dye Corporation. (See Cline, Edwin L., assignor.)

Allis-Chalmers Manufacturing Company. (See Tanke, Willard H., assignor.)

Allison, Thomas T., Jr., assignor of one-half to A. T. McWane, Birmingham, Ala. Warning signal. 2,344,014; Mar. 14.

Allred, Ernest B., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation. 2,344,015; Mar. 14.

Altenkirch, Edmund, Neuenhagen, near Berlin, Germany; vested in the Alien Property Custodian. Air conditioning. 2,344,384; Mar. 14.

American Can Company. (See Hothersall, J. M., and Murch, assignors.)

American Car and Foundry Company. (See Shields, Robert A., assignor.)

American Cyanamid Company. (See Cook, E. W., and Thomas, assignors.)

American District Telegraph Company. (See Evans, Francis C., assignor.)

American District Telegraph Company. (See Lindsay, M. H. A., and Woloschak, assignors.)

American Foundry Equipment Company, The. (See Turnbull, David C., assignor.)

American Hard Rubber Company. (See Reppert, Roland, assignor.)

American Locomotive Company. (See Vaughan, P. S., and Infanger, assignors.)

American Machine and Metals, Inc. (See Davis, Archibald H., Jr., assignor.)

American Rolling Mill Company, The. (See Washburn, Donald H., assignor.)

American Steel Foundries. (See Tack, Carl E., assignor.)

American Viscose Corporation. (See Long, Frederick F., assignor.)

American Viscose Corporation. (See Thompson, Donald C., assignor.)

Anderson, Alvin P., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Corrosion-preventive hydrocarbon oil. 2,344,016; Mar. 14.

Anderson, Gilbert R., Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Rosin base resin. 2,344,194; Mar. 14.

Andrew, John P. (See Ledin, C., and Andrew.)

Anthony, Floyd A., et al. (See Day, Phillip E., assignor.)

Anthony, Harry L., and J. C. Turnbull, Pittsburgh, assignors to Scaife Company, Oakmont, Pa. Brazing flux. 2,344,195; Mar. 14.

Apex Electrical Manufacturing Company, trustee. (See Kirby, James B., assignor.)

Armstrong, C. M., Inc. (See Block, R. J., and Bolling, assignors.)

Arnold, Hoffman & Co. Incorporated. (See Morgan, W. L., and McLeod, assignors.)

Arrow-Hart & Hegeman Electric Company, The. (See Lorenz, Charles H., assignor.)

Art Metal Construction Company. (See Jones, J. R., Hultberg, and Gronberg, assignors.)

Asahina, Haruyo, Kawaraki-Mura, Japan; vested in the Alien Property Custodian. Manufacturing litmus dyestuffs. 2,344,074; Mar. 14.

Ashpes, Max, New York, N. Y. Device for cleaning and drying roller stipplers. 2,344,017; Mar. 14.

Atlantic Refining Company, The. (See Roberts, Oscar L., assignor.)

Attias, Joshua, New York, N. Y. Gas-heated soldering iron. 2,344,196; Mar. 14.

Auslander, Henry, Brooklyn, N. Y. Wing nut. 2,343,947; Mar. 14.

Automatic Electric Laboratories, Inc. (See Burns, George A., assignor.)

Automatic Electric Laboratories, Inc. (See Woodruff, Albert E., assignor.)

Avery, W. & T., Limited. (See Page, Alfred E., assignor.)

Axelsson, Nils R. (See Dodge, M. C., and Axelsson.)

B. V. D. Corporation, The. (See Doumaux, Jerome N., assignor.)

Babcock & Wilcox Company, The. (See Dewald, Edward A., assignor.)

Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Method and apparatus for cementing wells. 2,344,120; Mar. 14.

Baldwin, Nathaniel, East Mill Creek, Utah. Telephone receiver. 2,343,859; Mar. 14.

Ball, Clayton P. (See Henchert, J., and Ball.)

Ballard, Seaver A., Berkeley, and V. E. Haury, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Production of isophorone. 2,344,226; Mar. 14.

Balle, Gerhard. (See Orthner, L., Balle, and Schild.)

Balousek, William E., assignor to W. J. Dennis & Company, Chicago, Ill. Automatic door bottom. 2,344,278; Mar. 14.

Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Mixing plant. 2,344,228; Mar. 14.

Barber-Greene Company. (See Barber, Harry H., assignor.)

Barényi, Béla. (See Wilfert, K., and Barényi.)

Barnard, Henry H., Washington, D. C. Control panel and the like. 2,344,197; Mar. 14.

Barnard, Henry H., Washington, D. C. Indicating device. 2,344,198; Mar. 14.

Barnard, Henry H., Washington, D. C. Mounting and adjusting device for recording instruments. 2,344,199; Mar. 14.

Barnard, Henry H., Washington, D. C. Recording machine. 2,344,200; Mar. 14.

Bassinger, Ross, Houston, Tex. Releasable setting tool and by-pass. 2,344,121; Mar. 14.

Baumheier, Erich, Oschatz-Zschollau, Germany; vested in the Alien Property Custodian. Submarine paint. 2,344,018; Mar. 14.

Bausch & Lomb Optical Company. (See Flint, Edward F., assignor.)

Bausch & Lomb Optical Company. (See Jones, Frank L., assignor.)

Bausch & Lomb Optical Company. (See Perkins, Willard T., assignor.)

Bay, Zoltán, Ujpest, and G. Szigeti, Budapest, Hungary, assignors to General Electric Company. Electric lighting equipment. 2,344,122; Mar. 14.

Beaudet, George J., Milwaukee, Wis., assignor of one-half to M. B. Stein, Chicago, Ill. Grinding wheel tool. 2,344,385; Mar. 14.

Beerthuis, Ebbe, Chicago, Ill. Plastering base. 2,344,279; Mar. 14.

Behar, Sam, Berwyn, Ill., assignor to A. F. Dormeyer Mfg. Co. Juicer support. 2,344,227; Mar. 14.

Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Lead-in arrangement. 2,344,280; Mar. 14.

Belcher, Daniel, E. D. Munson, and H. V. Kindseth, assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Bag feeding and packaging machine. 2,343,879; Mar. 14.

Beldimano, Alessandro, Rome, Italy; vested in the Alien Property Custodian. Apparatus for transforming mechanical energy into heat. 2,344,075; Mar. 14.

Bell Aircraft Corporation. (See Schwartz, Arthur A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Green, Charles B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mahoney, John J., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See McKim, Burton, assignor.)

Bell Telephone Laboratories, Incorporated. (See Plotner, Loyd D., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wright, Sumner B., assignor.)

Bellazini, Joseph A., Chicago, Ill. Rotary motor. 2,343,948; Mar. 14.

Bellinger, Franklin S., Detroit, Mich. Radius dresser for grinding wheels. 2,343,949; Mar. 14.

Beloit Iron Works. (See Berry, E. E., and Hornbostel, assignors.)

Bemis Bro. Bag Co. (See Belcher, D., Munson, and Kindseth, assignors.)

Bencowitz, Isaac, Newgulf, assignor to Texas Gulf Sulphur Company, Houston, Tex. Sulphur product and producing same. 2,343,860; Mar. 14.

Bendix Aviation Corporation. (See Jandasek, Joseph, assignor.)

Bendix Aviation Corporation. (See Janes, Clinton S., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)

Berger, Susannah, née Keresztes, Budapest, Hungary; vested in the Alien Property Custodian. Apparatus for the production of decoctions, especially tea or coffee. 2,344,386; Mar. 14.

Berk, F. W., and Company Limited. (See Six, Charles G., assignor.)

Berlek, Josef, Radenthein, Germany; vested in the Alien Property Custodian. Producing sorel cements. 2,344,387; Mar. 14.

Berne-Allen, Allan, Jr., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of vinyl esters. 2,343,950; Mar. 14.

Berry, Earl E., and L. Hornbostel, assignors to Beloit Iron Works, Beloit, Wis. Stock feed for paper making machines. 2,344,281; Mar. 14.

Berry, Earl E., and L. Hornbostel, assignors to Beloit Iron Works, Beloit, Wis. Stock inlet for paper making machines. 2,344,282; Mar. 14.

Bersuder, John E. (See Waldie, W. A., and Bersuder.)

Bertherman, Sidney J., Chepachet, R. I., assignor to L. & B. Jewelry Manufacturing Company. Chain. 2,344,455; Mar. 14.

Bethlehem Steel Company. (See Creighton, James A., assignor.)

Bethlehem Steel Company. (See Newburg, Edward C., assignor.)

Bigelow-Sanford Carpet Co. Inc. (See Hopkins, G. E., Dow, and Peters, assignors.)

Bigelow-Sanford Carpet Co. (See Rench, Harry D., assignor.)

Biggle, Laurence C., Altedena, assignor to General Controls Co., Glendale, Calif. Electromagnetically controlled device. 2,343,861; Mar. 14.

Bilhuber, E., Inc. (See Hildebrandt, Gustav, assignor.)

Bixby, Leo A., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Vehicle driving mechanism. 2,344,388; Mar. 14.

Blanchard, Charles E. (See Ferre, A. W., and Blanchard.)

Bliss, E. W., Company. (See Groll, A. F., and Hatch, assignors.)

Block, Richard J., and D. Bolling, Scarsdale, N. Y., assignors to C. M. Armstrong, Inc. Food product. 2,344,229; Mar. 14.

Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Reversing door control and switch therefor. 2,343,951; Mar. 14.

Bolling, Diana. (See Block, R. J., and Bolling.)

Bonfiglioli, Enrico, Bologna, Italy; vested in the Alien Property Custodian. Making ornamental figures. 2,344,076; Mar. 14.

Borracci, Pasquale, Florence, Italy; vested in the Alien Property Custodian. Submarine mine. 2,344,483; Mar. 14.

Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signal apparatus. 2,344,283; Mar. 14.

Bostrum, Enoch, assignor to Osmose Wood Preserving Company of America, Inc., Buffalo, N. Y. Composition and preserving wood. 2,344,019; Mar. 14.

Boucher, Jacques, Paris, France; vested in the Alien Property Custodian. Centrifugally casting tubular bodies. 2,344,020; Mar. 14.

Bouziane, George, Janesville, Wis. Surgical bandage. 2,344,021; Mar. 14.

Braithwaite, Albert W. (See Alexander, E. L., and Braithwaite.)

Brandstrom, Fred, Westport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Control unit for compressor systems. 2,343,952; Mar. 14.

Brawn, Herbert A., Beauharnois, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Folding and interleaving machine. 2,344,022; Mar. 14.

Bredtschneider, Walter, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. High-pressure steam generator. 2,344,077; Mar. 14.

Bretagne, R. H. L., Nogent-sur-Oise, France; vested in the Alien Property Custodian. Preparation of dyestuffs of the anthracenic series. 2,344,389; Mar. 14.

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)

Brissonnet, Pierre, and G. A. Durand, Paris, France; vested in the Alien Property Custodian. Transmission. 2,344,078; Mar. 14.

Bronson Reel Company. (See Coxe, Joseph A., assignor.)

Brown, Bache H. (See Lowe, Charles B., assignor.)

Brown Instrument Company, The. (See Ullman, Roy, assignor.)

Brown, Roy L. (See Marker, W. M., and Brown.)

Brown, Theophilus, and F. T. Court, assignors to Deere & Company, Moline, Ill. Power lift. 2,344,123; Mar. 14.

Brown, William, Wilkes-Barre, assignor to Shock Proof Lens Guard, Inc., Kingston, Pa. Adjustable and removable brace for frameless eyeglasses. 2,344,230; Mar. 14.

Brownlee, Kenneth H., Skokie, Ill., assignor to The Meyercord Company. Printing serial numbers. 2,343,880; Mar. 14.

Brumhill, Claude W., assignor to Imperial Typewriter Co. Ltd., Leicester, England. Carbon-sheet support for typewriters. 2,344,201; Mar. 14.

Brundage, James W., assignor, by mesne assignments, to The McNeil Machine and Engineering Company, Akron, Ohio. Press. 2,343,881; Mar. 14.

Bruno Patents Inc. (See Sheptinsky, Julius, assignor)

Budd, Edward G., Manufacturing Company. (See Trautvetter, George, assignor.)
Burd, Willard K. (See Heitzman, George, assignor.)
Burgeni, Alfred, East Orange, and R. L. Keown, Belleville, assignors to The Clark Thread Company, Newark, N. J. Mechanism for waxing thread. 2,344,079; Mar. 14.
Burgett, Kenneth L., Peoria, Ill. Wrist sprung glove. 2,344,080; Mar. 14.
Burns, George A., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Remote control and supervisory system. 2,344,231; Mar. 14.
Bush, George L. (See May, H. F., Bush, and Frischknecht.)
Buxton, Loran O., Belleville, and L. T. Rosenberg, Ridgefield Park, assignor to National Oil Products Company, Harrison, N. J. Refining vitamin oils. 2,344,124; Mar. 14.
Callander, Marshall E., Columbia, Mo. Nozzle for the manufacture of mineral wool. 2,344,125; Mar. 14.
Campbell, John, and K. A. Taylor, Glens Falls, N. Y., assignors to International Paper Company. Apparatus for coating. 2,344,232; Mar. 14.
Canter, Morris, New York, N. Y. Hand compression tool for dies and cutters. 2,343,953; Mar. 14.
Carbide and Carbon Chemicals Corporation. (See Powell, G. M., and McKnight, assignors.)
Carbide and Carbon Chemicals Corporation. (See Rugeley, E. W., and Quattlebaum, assignors.)
Cargill, George R., Medford, Mass. Convertible sprayer. 2,344,233; Mar. 14.
Carlin Comforts, Inc. (See May, Walter H., assignor.)
Carlin, James C., Norristown, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Feeding mechanism for tire building. 2,343,954; Mar. 14.
Carlisle, Richard W., Elmsford, and A. J. Mastropole, New York, assignors to Sonotone Corporation, Elmsford, N. Y. Earphone. 2,344,023; Mar. 14.
Carlson, Bert G., Erieside, assignor to Jack & Heintz, Inc., Bedford, Ohio. Horizon gyro. 2,344,126; Mar. 14.
Carlson, Elmer, East Palestine, Ohio. Plant receptacle. 2,344,202; Mar. 14.
Carlson, Eric W. (See Scott, H. A., and Carlson.)
Carlson, Warner W. (See Stahly, G. L., and Carlson.)
Carpenter Paper Company. (See Stevenson, Donald E., assignor.)
Carr, John O., Park Ridge, and M. T. Goetz, assignors to Teletype Corporation, Chicago, Ill. Keyboard printing and perforating apparatus. 2,343,882; Mar. 14.
Carter, Geoffrey W. (See Mortlock, J. R., Wilkinson, and Carter.)
Cassie, John, Dedham, assignor to B. F. Sturtevant Company, Boston, Mass. Inlet box for centrifugal fans. 2,344,456; Mar. 14.
Catlett, William J., Jr., U. S. Navy. Air navigation plotter. 2,343,883; Mar. 14.
Celanese Corporation of America. (See Olpin, H. C., and Wright, assignors.)
Celanese Corporation of America. (See Roberts, Robert P., assignor.)
Champion Foundry and Machine Company. (See Naylor, Walter E., assignor.)
Chandler, Bruce, Waukegan, Ill., and H. B. Yuen, Montreal, Quebec, Canada, assignors to Pfanstiehl Chemical Company. Broach and preparing the same. 2,344,024; Mar. 14.
Chemical Developments Corporation. (See Drummond, F. E., and Waldie, assignors.)
Chemical Developments Corporation. (See Stahly, G. L., and Carlson, assignors.)
Chemical Developments Corporation. (See Waldie, W. A., and Bersuder, assignors.)
Chemical Developments Corporation. (See Waldie, William A., assignor.)
Chemical Foundation, Incorporated, The. (See Hixson, A. W., and Miller, assignors.)
Chemical Foundation, Incorporated, The. (See Reeves, Richard E., assignor.)
Cherry, Carl W., Carmel, Calif. Riveting apparatus. 2,344,127; Mar. 14.
Cherry, Carl W., Carmel, and A. S. Mullgardt, Altadena, Calif.; said Mullgardt assignor to said Cherry. Rivet. 2,344,128; Mar. 14.
Chicago Printed String Co. (See Christ, Adolph G., assignor.)
Christ, Adolph G., assignor to Chicago Printed String Co., Chicago, Ill. Composite ribbon. 2,344,457; Mar. 14.
Christensen, Leo M., Moscow, Idaho, assignor to National Agrol Company, Inc., New York, N. Y. Fermentative production of 2,3-butylene glycol. 2,344,025; Mar. 14.
Christensen, Paul M., Newington, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Thermal relay unit. 2,343,862; Mar. 14.
Chromogen, Incorporated. (See Gáspár, Béla, assignor.)
Cincinnati Industries, Inc. (See Rowe, William W., assignor.)
Cities Service Oil Company. (See Kaplan, William, assignor.)
Clark Equipment Company. (See Bixby, Leo A., assignor.)
Clark Thread Company, The. (See Burgeni, A., and Keown, assignors.)
Claude, André, Paris, France; vested in the Alien Property Custodian. Causing luminescent substances to adhere to glass walls. 2,344,081; Mar. 14.
Clayton, Harold H., assignor to R-B-M Manufacturing Company, Logansport, Ind. Automatic switch for compartment lights. 2,344,129; Mar. 14.
Cline, Edwin L., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Producing resins of the coumarone-indene type. 2,344,026; Mar. 14.
Coen, Cecil J., et al. (See Coen, Joseph C., assignor.)
Coen, Joseph C., Pomona, assignor of one-third to V. Gutzwiller, one-third to C. J. Coen, San Bernardino, and one-third to E. B. and K. R. Williams, Pomona, Calif. Speed changing device. 2,344,341; Mar. 14.
Coffing, Frederick W., Danville, Ill. Universal free tape hoist. 2,343,884; Mar. 14.
Cohen, Harold, Elizabeth, N. J. Raising and lowering mechanism. 2,344,390; Mar. 14.
Coiffu, Pierre, Paris, France; vested in the Alien Property Custodian. Preventing the formation of clinker rings. 2,344,391; Mar. 14.
Colella, Gerald S., assignor of one-half to S. Merker, Haverhill, Mass. Manufacture of footwear. 2,344,458; Mar. 14.
Coleman, Edwin D., Maywood, Ill. Test method and apparatus therefor. 2,343,885; Mar. 14.
Colley, Omer A., Astoria, Long Island, N. Y. Comb frame for beehives. 2,344,284; Mar. 14.
Colonial Radio Corporation. (See Forbes, Henry C., assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See Christensen, Paul M., assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See D'Ardenne, Walter H., assignor.)
Columbian Rope Company. (See Dodge, M. C., and Axelsson, assignors.)
Columbus McKinnon Chain Corporation. (See Winter, O. W., and Middlestead, assignors.)
Conner, Leonard M., Sunray, Tex., assignor to Continental Carbon Company. Production of carbon black. 2,344,027; Mar. 14.
Continental Can Company. (See Henchert, J., and Ball, assignors.)
Continental Can Company. (See Punte, William F., assignor.)
Continental Carbon Company. (See Conner, Leonard M., assignor.)
Continental Machinery Co. (See Robertson, Oliver W., assignor.)
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Crankcase lubricants and chemical compound therefor. 2,344,392; Mar. 14.
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Lubricating oil composition. 2,344,393; Mar. 14.
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Barium di(dihydro abietyl)-dithiophosphate and making the same. 2,344,394; Mar. 14.
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Lubricating oil. 2,344,395; Mar. 14.
Cooper, Benjamin, Jersey City, N. J. Key identifier. 2,344,234; Mar. 14.
Cormode, William J., Erdington, Birmingham, assignor to T. I. (Group Services) Limited, Birmingham, England. Upsetting of metal tubes, rods, or the like. 2,344,285; Mar. 14.
Cornell, Fritz G., Jr., Mountain Lakes, N. J. Dairy product deodorizer. 2,343,886; Mar. 14.
Coryell, William C., Youngstown, Ohio. Airfield. 2,344,131; Mar. 14.
Cosand, Carl M., Cottonwood, Idaho. Airplane wing construction. 2,344,286; Mar. 14.
Cosgriff, Joseph. (See Donner, Stephen N., assignor.)
Cotterman, Frederick W., Dayton, Ohio. Electrically controlled automotive transmission. 2,343,955; Mar. 14.
Cottrell, C. B. & Sons Company. (See Luehrs, Hans J., assignor.)
Court, Frank T. (See Brown, T., and Court.)
Covert, Alfred D., Detroit, Mich. Nonsettling putty. 2,344,130; Mar. 14.
Cox & Stevens Aircraft Corporation. (See Huntley, H. B., and Vandersteel, assignors.)
Coxe, Joseph A., Los Angeles, Calif., assignor to Bronson Reel Company, Bronson, Mich. Fishing reel spool. 2,344,132; Mar. 14.
Craft, Frank. (See Paul, Elihu T., assignor.)
Crafts, Walter, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Deep hardening silicon titanium steel. 2,343,956; Mar. 14.
Crane, Paul W., Montclair, and R. T. Fields, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for cutting tapered filaments. 2,343,887; Mar. 14.
Creighton, James A., Hamburg, N. Y., assignor to Bethlehem Steel Company. Combination burner. 2,344,203; Mar. 14.

Creveling, John L., Tucson, Ariz. Pumping means. 2,344,287; Mar. 14.
Crompton, George, Jr., assignor to Norton Company, Worcester, Mass. Peripheral diamond abrasive wheel and making same. 2,343,957; Mar. 14.
Crook, Welton J., U. S. Army, Davenport, Iowa. Heat treatment of steel. 2,343,888; Mar. 14.
Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Cutting tip with diverging outlet. 2,343,958; Mar. 14.
Crumb, Charles F., Chicago, and E. F. Schneider, Evanston, Ill., assignors to International Harvester Company. Corn sheller. 2,344,235; Mar. 14.
Cullen, Harry E. (See Rolstad, M., and Cullen.)
Cummings, William W., Jr., Cambridge, Mass. Air conditioning unit. 2,343,959; Mar. 14.
Curry, Chester B., Muncie, Ind. Compressor. 2,344,028; Mar. 14.
Curtin, Leonard S., Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,343,960; Mar. 14.
Cushman, Robert W. (See Allen, A., and Cushman.)
Dahlstrom, Roy, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Solubilizing titaniferous ores. 2,344,288; Mar. 14.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Compositions containing a diamino diazinyl substituted-alkyl sulphide. 2,344,289; Mar. 14.
Dardelet, Robert L., Grenoble, France; vested in the Alien Property Custodian. Compression or depression pump of the liquid ring type. 2,344,396; Mar. 14.
D'Ardenne, Walter H., Jenkintown Manor, Pa., assignor to Colt's Patent Fire Arms Manufacturing Company. Gun sight mounting. 2,343,863; Mar. 14.
Davis, Archibald H., Jr., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Fluid system control. 2,344,133; Mar. 14.
Dawson, Albert J., assignor to Dravo Corporation, Pittsburgh, Pa. Auxiliary rudder for stern wheel vessels. 2,344,236; Mar. 14.
Davis, George B., Pasadena, Calif. Portable elevator. 2,344,134; Mar. 14.
Day, Ballard, et al. (See Day, Phillip E., assignor.)
Day, Phillip E., Alhambra, assignor of one-third to F. A. Anthony, and one-third to B. Day, Los Angeles, Calif. Synchronizing system. 2,344,029; Mar. 14.
Day, Roland B., and E. R. Kanhofer, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,344,290; Mar. 14.
De Bary, Alberto, Buenos Aires, Argentina. Filter for cigar- and cigarette-holders. 2,344,342; Mar. 14.
Deere & Company. (See Brown, T., and Court, assignors.)
Deere, John, Tractor Company. (See McCormick, E., and Hansen, assignors.)
DeLancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Liquid fuel stove. 2,344,291; Mar. 14.
Del Valle, Guillermo A., Indianapolis, Ind., assignor to Radio Corporation of America. Film take-up. 2,343,961; Mar. 14.
Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for electric heating. 2,343,889; Mar. 14.
Dennis, W. J., & Company. (See Balousek, William E., assignor.)
De Ram, Georges H. E., Boulogne-sur-Seine, France; vested in the Alien Property Custodian. Shock absorber. 2,344,082; Mar. 14.
De Shano, Alphonse D., Bay City, Mich. Safety belt. 2,344,031; Mar. 14.
De Vilbiss Company, The. (See Roselund, Harold A., assignor.)
Dewald, Edward A., Massillon, Ohio, assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Tube expander. 2,343,890; Mar. 14.
Dieffenbach, Ferd, Pittsburgh, Pa. Device for analyzing surface defects. 2,343,891; Mar. 14.
Dietrich, Herbert, Meinersdorf in Erz Gebirge, Germany; vested in the Alien Property Custodian. Stocking. 2,344,030; Mar. 14.
Dodge Manufacturing Corporation. (See Firth, David, assignor.)
Dodge, Milo C., and N. R. Axelsson, assignors to Columbian Rope Company, Auburn, N. Y. Rope structure and making same. 2,343,892; Mar. 14.
Dodson, Edward, Somerset, England. Measuring pump. 2,343,962; Mar. 14.
Donner, Stephen N., assignor of one-half to J. Cosgriff, Detroit, Mich. Sanitary cover for cans. 2,344,343; Mar. 14.
Doran Brothers, Incorporated. (See Schultze, Paul, assignor.)
Dormeyer, A. F., Mfg. Co. (See Behar, Sam, assignor.)
Dorsman, Cornelis, M. F. Reynst, and R. Veldhuizen, Eindhoven, Netherlands; vested in the Alien Property Custodian. Device for oscillographing electrical or mechanical processes. 2,344,344; Mar. 14.
Dostal & Lowey Co. (See Read, Philip C., assignor.)
Douglas, H. A., Mfg. Co. (See Johnson, Elmer E., assignor.)
Doumaux, Jerome N., Great Neck, assignor to The B. V. D. Corporation, New York, N. Y. Shirt. 2,344,204; Mar. 14.
Dow, James N. (See Hopkins, G. E., Dow, and Peters.)
Downes, Edward J., Albany, N. Y. Laundry drying machine. 2,344,135; Mar. 14.
Drader, Joseph C., assignor to Michigan Tool Company, Detroit, Mich. Finishing gears. 2,344,292; Mar. 14.
Dravo Corporation. (See Dawson, Albert J., assignor.)
Dressen, Harold V., Los Angeles, Calif. Wrist watch protector. 2,344,136; Mar. 14.
Drexler, Charles, and R. H. Morgan, Indianapolis, Ind., assignors to Dr. Robert R. Freund, Mount Carmel, Ill. Power and control for articulated beds. 2,344,397; Mar. 14.
Drummond, Folsom E., and W. A. Waldie, assignors, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Pigmented resin and making. 2,344,137; Mar. 14.
Drummond, Folsom E., assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Coating method. 2,344,138; Mar. 14.
Dubner, Harry J., Forest Hills, N. Y. Foundation garment. 2,344,237; Mar. 14.
Dunn, William C. (See Denneen, F. S., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Berne-Allen, Allan, Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Crane, P. W., and Fields, assignors.)
Du Pont, E. I., de Nemours & Company. (See Freed, W. V., and Signaigo, assignors.)
Du Pont, E. I., de Nemours & Company. (See Maxwell, Robert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Peirce, George A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pike, Ralph E., assignor.)
Durand, Gaston A. (See Brissonnet, P., and Durand.)
Dykeman, Reuben G., J. C. Shaw, and A. C. Hoffman, Dayton, Ohio. Congealable liquid conditioning device. 2,343,868; Mar. 14.
East, John, I. J. Shelton, and H. R. Harris, Detroit, Mich. Oil burner. 2,344,398; Mar. 14.
Eastman Kodak Company. (See Allen, C. F. H., and Wilson, assignors.)
Eastman Kodak Company. (See Simmons, Arthur B., assignor.)
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Clutch control mechanism. 2,344,399; Mar. 14.
Ebert, Robert. (See Schotte, H., and Ebert.)
Eden, Harold W., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Compression coupling. 2,344,032; Mar. 14.
Ehnbom, Bo K. G., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Gas burner. 2,344,400; Mar. 14.
Electric Storage Battery Company, The. (See Galloway, Charles D., assignor.)
Electro Metallurgical Company. (See Crafts, Walter, assignor.)
Elliott, Erwin B., Miami, assignor, by mesne assignments, to Reconstruction Finance Corporation, Jacksonville, Fla. Stalk topping and deleafing machine. 2,343,963; Mar. 14.
Elliott, Harmon P., Watertown, Mass. Addressing machine. 2,344,345; Mar. 14.
Ellwood Safety Appliance Company. (See Wasser, Harry N., assignor.)
Elsey, Warren R., Wynnewood, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Railway car truck. 2,344,033; Mar. 14.
Elsey, Warren R., Wynnewood, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Railway car bolster suspension. 2,344,034; Mar. 14.
Etten, Nicholas L., Waterloo, Iowa. Tube nose forging furnace. 2,344,035; Mar. 14.
Evans, Cyril H., Woodford Green, England. Preparation of chlorine dioxide. 2,344,346; Mar. 14.
Evans, David W. T., Sutton Coldfield, assignor to T. I. (Group Services) Limited, Birmingham, England. Drawbench gripper carriage. 2,344,293; Mar. 14.
Evans, Francis C., Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Winding mechanism. 2,343,964; Mar. 14.
Evans, Lacey H. (See Huber, L. J., and Evans.)
Evans, Thomas M., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus. 2,344,294; Mar. 14.
Eyth, Heinrich. (See Küppenbender, H., Eyth, and Jörg.)
Failing, George E., Supply Company, The. (See Alexander, E. L., and Braithwaite, assignors.)
Federal Telephone and Radio Corporation. (See Rote, Melvin A., assignor.)
Fernier, Bernard M. H. P., Lyon, France; vested in the Alien Property Custodian. Electric circuit breaker with compressed fluid blowout. 2,343,917; Mar. 14.
Ferre, Albert W., Wellesley, and C. E. Blanchard, Randolph, assignors to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Vulcanizer. 2,343,893; Mar. 14.
Fields, Reuben T. (See Crane, P. W., and Fields.)
Finch, Clark, West Palm Beach, Fla. Horseshoe type motor. 2,344,401; Mar. 14.

Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Compressed fluid condenser. 2,344,238; Mar. 14.

Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Electric condenser. 2,344,239; Mar. 14.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Cooled shaft bearing. 2,344,240; Mar. 14.

Fisch, Chaim S., New York, N. Y. Lifesaving and sporting float device. 2,343,965; Mar. 14.

Fisher, James B., assignor to Waukesha Motor Company, Waukesha, Wis. Towing truck. 2,343,894; Mar. 14.

Fishko, Abraham, Brooklyn, N. Y. Sanitary and safety pipe-floor connection. 2,343,896; Mar. 14.

Fitzgerald, John J., Cheyenne, Wyo. Pelt or case form. 2,343,968; Mar. 14.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,343,966; Mar. 14.

Fitz Gerald, John W., deceased, by M. C. Fitz Gerald, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,343,967; Mar. 14.

Fitz Gerald, Mary C., executrix. (See Fitz Gerald, John W.)

Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminated bubble level. 2,344,241; Mar. 14.

Flygare, Carl G., and H. A. Silven, assignor to Norton Company, Worcester, Mass. External-internal cylindrical grinding machine. 2,344,242; Mar. 14.

Flygare, Carl G., and H. A. Silven, assignor to Norton Company, Worcester, Mass. Grinding machine work head. 2,344,243; Mar. 14.

Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)

Food Machinery Corporation. (See Thompson, Albert R., assignor.)

Forbes, Arthur L., St. Albans, N. Y. Perpetual calendar. 2,343,969; Mar. 14.

Forbes, Henry C., Eggertsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Push-button tuning mechanism. 2,344,205; Mar. 14.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Material handling apparatus. 2,344,347; Mar. 14.

Forni, George P., Emeryville, Calif. Method and apparatus for providing lifting hooks and recesses in concrete blocks. 2,344,206; Mar. 14.

Forsell, Frida V., Stockholm, Sweden. Handcuff. 2,344,348; Mar. 14.

Forster, Earl N., Arcata, Calif. Wheel balancing machine. 2,344,349; Mar. 14.

Foster Wheeler Corporation. (See Frisch, Martin, assignor.)

Foxboro Company, The. (See Allen, A., and Cushman, assignors.)

Frady, George L., Omaha, Nebr. Toy bomb. 2,344,402; Mar. 14.

Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Sizing tool. 2,344,036; Mar. 14.

Franck, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,344,295; Mar. 14.

Freed, William V., and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of nitro compounds. 2,344,244; Mar. 14.

Freitag, Reinhold, Stuttgart-Unterturkheim, and W. Stoeckicht, Solln, near Munich, Germany; vested in the Alien Property Custodian. Engine starting apparatus. 2,344,083; Mar. 14.

Freund, Dr. Robert R. (See Drexler, C., and Morgan, assignors.)

Frink, Frederick W., New York N. Y. Cathode ray oscilloscope observation and recordation. 2,344,296; Mar. 14.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Vapor generator. 2,343,895; Mar. 14.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for purifying steam. 2,343,897; Mar. 14.

Frischknecht, Ernest. (See May, H. F., Bush, and Frischknecht.)

Fuller, Howard M., Saratoga Springs, N. Y. Stroboscopic timing and testing of Diesel and similar engines. 2,344,037; Mar. 14.

Gaffney, John C., and E. L. Kane, Miami Beach, Fla. Orchard heater. 2,344,403; Mar. 14.

Galloway, Charles D., Wyndmoor, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Plate for storage batteries and producing the same. 2,343,970; Mar. 14.

Gänswein, Paul. (See Vierling, O., and Ganswein.)

Gardes, Alfred W. (See McCord, A. C., and Gardes.)

Garrett Corporation, Airesearch Manufacturing Company division. (See Hannon, Andrew L., assignor.)

Garrod, Raymond I. (See Reason, R. E., and Garrod.)

Gáspár, Béla, Brussels-Forest, Belgium, assignor to Chromogen, Incorporated. Light-sensitive material for color photographic purposes and using the same. 2,344,084; Mar. 14.

General Aniline & Film Corporation. (See Orthner, L., Balle, and Schild, assignors.)

General Controls Co. (See Biggle, Laurence C., assignor.)

General Electric Company. (See Bay, Z., and Szigeti, assignors.)

General Electric Company. (See Beggs, James E., assignor.)

General Electric Company. (See D'Alelio, G. F., and Underwood, assignors.)

General Electric Company. (See Evans, Thomas M., assignor.)

General Electric Company. (See Meese, G. E., Wunderlich, and Marshaus, assignors.)

General Electric Company. (See Mortlock, J. R., Wilkinson, and Carter, assignors.)

General Electric Company. (See Vienneau, Jacob J., assignor.)

General Electric Company. (See Winestock, Theodore L., assignor.)

General Mills, Inc. (See Huber, L. J., and Evans, assignors.)

General Motors Corporation. (See Horlacher, Elmer L., assignor.)

General Motors Corporation. (See Hutchinson, Philip H., assignor.)

Gerson, Gerhard, Keego Harbor, Mich., assignor to Phillips Petroleum Company. Liquid feed carburetor. 2,344,139; Mar. 14.

Getaz, James L., Maryville, Tenn. Hosiery. 2,344,350; Mar. 14.

Gibson, William C., O'Bannon, Ky. Electro-automatic document collector and distributor. 2,344,140; Mar. 14.

Giloy, Franz, Dessau, Germany; vested in the Alien Property Custodian. Corrosion preventing agents. 2,344,404; Mar. 14.

Goetz, Maurus T. (See Carr, J. O., and Goetz.)

Gohring, George W., Iowa City, Iowa. Battery carrier. 2,344,141; Mar. 14.

Goldsmith, Alfred N., New York, N. Y. Television studio lighting. 2,343,971; Mar. 14.

Goodman Manufacturing Company. (See Hagenbook, Loy D., assignor.)

Goodman Manufacturing Company. (See Stoltz, Charles E., assignor.)

Goy, Herbert, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian. Gangway connection between two vehicles coupled to each other, particularly flexible gangway bellows for railway carriages. 2,344,351; Mar. 14.

Graham, Louis A., assignor to Graham Transmissions, Inc., Milwaukee, Wis. Reversible power drive. 2,344,352; Mar. 14.

Graham Transmissions, Inc. (See Graham, Louis A., assignor.)

Green, Charles B., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor device. 2,344,298; Mar. 14.

Greene, Howard H., Oklahoma City, Okla. Deep well firing mechanism. 2,344,297; Mar. 14.

Griffin, Ira L., D. E. Truax, and N. H. Nuttall, Charlotte, N. C., assignors to Stein, Hall and Company, Inc., New York, N. Y. Film forming composition, method, and article. 2,343,898; Mar. 14.

Griffiths, Charles D., Long Beach, Calif. Wheel and tire lock. 2,344,038; Mar. 14.

Groll, Alvin F., and M. R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y. Strip feeding mechanism. 2,343,899; Mar. 14.

Gronberg, Victor A. (See Jones, J. R., Hultberg, and Gronberg.)

Groov-Pin Corporation. (See Richards, Cecil C., assignor.)

Grossman, Franklin A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,344,245; Mar. 14.

Grover, Garrison P., Minneapolis, Minn. Photographic printing machine. 2,344,405; Mar. 14.

Groves, Martin V., New York, assignor of one-half to A. Wilde and A. Hull-Ryde, Bayside, N. Y. Compound hydraulic brake compressor. 2,343,900; Mar. 14.

Groves, Martin V., Brooklyn, assignor of one-half to A. Wilde and A. Hull-Ryde, Bayside, N. Y. Compound hydraulic compressor. 2,343,901; Mar. 14.

Groves, Martin V., Brooklyn, assignor of one-half to A. Wilde and A. Hull-Ryde, Bayside, N. Y. Hydraulic actuating mechanism. 2,344,299; Mar. 14.

Grubich, Stephen, Milwaukee, Wis. Material digging and handling apparatus. 2,344,246; Mar. 14.

Gunn, Robert L. (See Leonard, Harry M., assignor.)

Gutzwiller, Victor, et al. (See Coen, Joseph C., assignor.)

Hack, Frank W., Des Plaines, Ill. Multiversal machine tool and boring head therefor. 2,344,039; Mar. 14.

Hagedorn, Gerhard, Berlin-Halensee, Germany; vested in the Alien Property Custodian. Control system for resistance welding. 2,344,353; Mar. 14.

Hagedorn, Gerhard, Berlin-Lichterfelde, E. Luxer, Berlin-Sudende, and E. G. Wahl, Berlin-Steglitz, Germany; vested in the Alien Property Custodian. Welding control system. 2,344,086; Mar. 14.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company. Shaker conveyer trough connecting means. 2,344,300; Mar. 14.

Hake, Donald S. (See Kinzie, C. J., and Hake.)

Halbig, Paul, Freiburg, Switzerland, and F. Matthias and A. Treibs, Munich, Germany; vested in the Alien Property Custodian. Polymerization of alkoxy-butadienes. 2,344,085; Mar. 14.

Hallerstrom, Harold, Evanston, and C. Letsche, assignors to Hanna Engineering Works, Chicago, Ill. Valve construction. 2,344,354; Mar. 14.

Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Making cigars. 2,343,902; Mar. 14.

Hamlett, Robert T., Jackson Heights, assignor to The Western Union Telegraph Company, New York, N. Y. Answer-back telegraph system. 2,344,142; Mar. 14.

Hammand, Lowell F., Washington, D. C. Automatic shut-off nozzle. 2,343,903; Mar. 14.

Hammer-Bray Company, Ltd. (See Samwell, P. R., and Pentecost, assignors.)

Hand, Frederick E., Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,344,301; Mar. 14.

Hanna Engineering Works. (See Hallerstrom, H., and Letsche, assignors.)

Hannon, Andrew L., Los Angeles, assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Inglewood, Calif. Shutter control with pressure compensation. 2,344,207; Mar. 14.

Hansen, Merlin. (See McCormick, E., and Hansen.)

Harding, Ernist J., Portland, Oreg. Depth gauge, countersink, and drill. 2,344,143; Mar. 14.

Harms, Viggo, The Hague, Netherlands; vested in the Alien Property Custodian. Sedimentation apparatus. 2,344,355; Mar. 14.

Harris, Hermann R. (See East, J., Shelton, and Harris.)

Harvel Research Corporation. (See Harvey, Mortimer T., assignor.)

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Novel furfuryl alcohol-formaldehyde acid condensation resinous product and preparing the same. 2,343,972; Mar. 14.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Acid condensation product of formaldehyde and acid condensation polymerization product of furfuryl alcohol and preparing the same. 2,343,973; Mar. 14.

Harza, Leroy F., Highland Park, Ill. Revetment and block therefor. 2,344,302; Mar. 14.

Hatch, Meredith R. (See Groll, A. F., and Hatch.)

Haury, Vernon E. (See Ballard, S. A., and Haury.)

Hayward, Josephine, Montreal, Quebec, Canada. Swimming suit. 2,343,974; Mar. 14.

Hebeler, Edward S., Williamsville, N. Y., assignor of one-half to Unit Rays, Inc., Cleveland, Ohio. Welder's mask or helmet. 2,343,864; Mar. 14.

Hegwein, Georg, Dessau, Germany; vested in the Alien Property Custodian. Safety ignition device for gas burners. 2,343,904; Mar. 14.

Heil Co., The. (See (Schmidt, H. L., assignor) and Hendrickson.)

Heitzman, George, assignor of one-half to W. K. Burd, Shamokin, Pa. Garment hanger. 2,343,865; Mar. 14.

Henchert, John, and C. P. Ball, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Container side seam sealing compound applying apparatus. 2,344,303; Mar. 14.

Hendrickson, Robert T. (See Schmidt, H. L., and Hendrickson.)

Hendricx, Serge. (See Tritsmans, R. G., and Hendricx.)

Henze, Henry R., Austin, Tex., assignor to Eli Lilly and Company, Indianapolis, Ind. Preparing 1-(substituted alkyl)-5,5-disubstituted barbituric compounds. 2,344,459; Mar. 14.

Henze, Otto C. W., and E. Nyborg, assignors to J. L. Sweeney, New York, N. Y. Typewriting machine. 2,343,905; Mar. 14.

Hercules Powder Company. (See Anderson, Gilbert R., assignor.)

Hercules Powder Company. (See Kirkpatrick, William J., assignor.)

Hermani, Louis, Baltimore, Md., assignor to Owens-Illinois Can Company. Machine for assembling metal containers. 2,344,460; Mar. 14.

Hermani, Louis, Baltimore, Md., assignor to Owens-Illinois Can Company. Orienting mechanism. 2,344,461; Mar. 14.

Hetz, Alfred, Stein, near Nuremberg, Germany; vested in the Alien Property Custodian. Apparatus for feeding rod-shaped articles onto dipping plates. 2,344,087; Mar. 14.

Hibshman, Henry J., Plainfield, N. J., assignor to Standard Oil Development Company. Refining of mineral oils. 2,344,406; Mar. 14.

Hildebrandt, Gustav, Mannheim, Germany, assignor to E. Bilhuber Inc., Jersey City, N. J. Chemical compounds. β-(meta-hydroxy-phenyl)-isopropylamines. 2,344,356; Mar. 14.

Hill-Clarke Machinery Co. (See Wigglesworth, A. W., and Mons, assignors.)

Hincke, William B., Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif. Pyrolysis of hydrocarbons. 2,343,866; Mar. 14.

Hinnerfeldt, Einer E. A., Kirkehoerup, Als, Denmark; vested in the Alien Property Custodian. Permutation and alarm lock. 2,344,088; Mar. 14.

Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Separation of fatty acids from rosin acids. 2,344,089; Mar. 14.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Cooking top burner for gas ranges. 2,344,144; Mar. 14.

Hoffman, Allan C. (See Dykeman, R. G., Shaw, and Hoffman.)

Hoffman, Allan C., assignor to United Aircraft Products, Inc., Dayton, Ohio. Congealable liquid conditioning device. 2,343,867; Mar. 14.

Hoke, Harry A., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Hopper gate adjusting means. 2,344,040; Mar. 14.

Hoke, Harry A., Altoona, and J. F. Matteo, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Valve. 2,344,041; Mar. 14.

Holloway, Luther, Jackson, Tenn. Selvedge guard for looms. 2,344,407; Mar. 14.

Holophane Company. (See Franck, Kurt, assignor.)

Hooper, Frank B., Newport News, Va. Vent pipe valve for fuel oil tanks. 2,344,304; Mar. 14.

Hopkins, Giles E., Washington, D. C., J. N. Dow, Longmeadow, Mass., and R. I. Peters, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Pile fabric cleaning method and material. 2,344,247; Mar. 14.

Horlacher, Elmer L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,344,145; Mar. 14.

Hornbostel, Lloyd. (See Berry, E. E., and Hornbostel.)

Hosfield, Lee C., Parma, Ohio, assignor to National Carbon Company, Inc. Process and apparatus for uniting sheets of thermoplastic materials. 2,343,975; Mar. 14.

Hothersall, John M., Brooklyn, N. Y., and J. H. Muroh, East Orange, N. J., assignors to American Can Company, New York, N. Y. Coating machine. 2,343,906; Mar. 14.

Huber, Louis J., and L. H. Evans, Minneapolis, Minn., assignors to General Mills, Inc. Milk protein gel dessert and producing the same. 2,344,090; Mar. 14.

Hull-Ryde, Arthur, et al. (See Groves, Martin V., assignor.)

Hultberg, Levi M. (See Jones, J. R., Hultberg, and Gronberg.)

Huntley, Hubert B., Glen Head, and W. Vandersteel, Port Washington, N. Y., assignors to Cox & Stevens Aircraft Corporation. Computer. 2,344,146; Mar. 14.

Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Rolling machine. 2,344,147; Mar. 14.

Hydraulic Brake Company. (See Swift, J. F., and Miller, assignors.)

Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Hub extension for mounting tractors. 2,344,306; Mar. 14.

Hyman, Benjamin M., Moline, and E. M. Melin, Chicago, Ill., assignors to International Harvester Company. Corn picker. 2,344,305; Mar. 14.

Imperial Brass Manufacturing Company, The. (See Eden, Harold W., assignor.)

Imperial Brass Manufacturing Company, The. (See Franck, George E., assignor.)

Imperial Typewriter Co. Ltd.. (See Brumhill, Claude W., assignor.)

Industrial Patents Corporation. (See Mitchell, Harold S., assignor.)

Infanger, Arthur W. (See Vaughan, P. S., and Infanger.)

Interlake Iron Corporation. (See Schrage, Franklin R., assignor.)

International Business Machines Corporation. (See Leathers, W., and Panissidi, assignors.)

International Cigar Machinery Company. (See Halstead, John F., assignor.)

International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)

International Harvester Company. (See Crumb, C. F., and Schneider, assignors.)

International Harvester Company. (See Hand, Frederick E., assignor.)

International Harvester Company. (See Hyman, Benjamin M., assignor.)

International Harvester Company. (See Hyman, B. M., and Melin, assignors.)

International Harvester Company. (See MacDonald, Raymore D., assignor.)

International Harvester Company. (See Ratcliff, Ralph A., assignor.)

International Harvester Company. (See Straub, Joseph C. A., assignor.)

International Paper Company. (See Campbell, J., and Taylor, assignors.)

International Standard Electric Corporation. (See Williams, Herbert P., assignor.)

Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)

Jack & Heintz, Inc. (See Carlson, Bert G., assignor.)

Jackson, Arch R., Shavertown, Pa. Emergency wheel brake. 2,344,148; Mar. 14.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Combined steering post and ignition lock. 2,343,976; Mar. 14.

James, Clinton S., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,344,463; Mar. 14.

Jandasek, Joseph, assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid drive. 2,344,248; Mar. 14.

Jarmus, Joseph M. (See Plechner, W. W., and Jarmus.)

Johnson, C. S., Company, The. (See Martinson, Edwin O., assignor.)

Johnson, Elmer E., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,344,249; Mar. 14.

Johnson Laboratories, Inc. (See Kirk, Martin J., assignor.)

Jones, Daniel C., Port Washington, assignor to Koehring Company, Milwaukee, Wis. Mixing machine. 2,344,307; Mar. 14.

Jones, Frank L., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Transmission film for glass. 2,344,250; Mar. 14.

Jones, James R., Lakewood, L. M. Hultberg, and V. A. Gronberg, assignors to Art Metal Construction Company, Jamestown, N. Y. Latching mechanism for drawers and the like. 2,343,977; Mar. 14.

Jones, William D., London, England. Manufacture of nonporous metal articles. 2,343,978; Mar. 14.

Jörg, Eugen. (See Küppenbender, H., Eyth, and Jörg.)

Jory, Arthur T., Oakland, Calif. Table device. 2,344,149; Mar. 14.

Judell, Julius S., Shorewood, assignor to Milwaukee Flush Valve Company, Milwaukee, Wis. Plumbing fixture. 2,344,150; Mar. 14.

K-D Lamp Co., The. (See Trautner, Wagn, assignor.)

Kalin, Albert, Cleveland, Ohio. Governor. 2,344,308; Mar. 14.

Kallmann, Hartmut I., Berlin-Charlottenburg, and E. Kuhn, Berlin, Germany; vested in the Alien Property Custodian. Neutron image converter. 2,344,042; Mar. 14.

Kallmann, Hartmut I., Berlin-Charlottenburg, and E. Kuhn, Berlin, Germany; vested in the Alien Property Custodian. Method and device for depicting objects by means of neutrons or X-rays. 2,344,043; Mar. 14.

Kalous, Mieczyslaw J., Barn Croft, Shootersway, Berkhamstead, England. Concentration of sulphuric acid. 2,344,408; Mar. 14.

Kane, Edward L. (See Gaffney, J. C., and Kane.)

Kanhofer, Elmer R. (See Day, R. B., and Kanhofer.)

Kapella Limited. (See Reason, R. E., and Garrod, assignors.)

Kaplan, Jacob J., Boston, Mass. Four-in-hand necktie. 2,343,979; Mar. 14.

Kaplan, William, Malverne, assignor to Cities Service Oil Company, New York, N. Y. Manufacture of alkylated benzene hydrocarbons. 2,343,870; Mar. 14.

Kasser, Morris, San Francisco, Calif. Method and apparatus for treating perishable articles. 2,344,151; Mar. 14.

Kathe, Edmund A., assignor to The Rainflo Manufacturing Company, Springfield, Ohio. Water softening system. 2,344,251; Mar. 14.

Kay-Brunner Steel Products, Inc. (See Low, John J., assignor.

Keema, Alexander W. (See Stevenson, R., and Keema.)

Keene, George W., Maywood, Ill. Film reel. 2,343,980; Mar. 14.

Keown, Roy L. (See Burgeni, A., and Keown.)

Kiang, Piao, Washington, D. C. Gun carriage. 2,344,252; Mar. 14.

Kilkis, Chester G., Chicago, Ill. Auxiliary window construction. 2,344,357; Mar. 14.

Kimbel, Guy J., Philadelphia, Pa. Steam boiler. 2,343,907; Mar. 14.

Kindseth, Harold V. (See Belcher, D., Munson, and Kindseth.)

King, Alexander H., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Making forged pistons. 2,344,358; Mar. 14.

King, Benton S., Brookhaven, Miss. Safety razor blade sharpener. 2,343,981; Mar. 14.

Kinzie, Charles J., and D. S. Hake, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Vitreous enameling. 2,343,908; Mar. 14.

Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio. Laundry machine. 2,344,253; Mar. 14.

Kirk, Martin J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Push button operating mechanism for permeability tuning purposes. 2,344,091; Mar. 14.

Kirkpatrick, William J., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Regenerating a "spent" noble metal oxide hydrogenation catalyst. 2,344,208; Mar. 14.

Klein, Hermann, Vaihingen-Rohr, Germany; vested in the Alien Property Custodian. Starting device for internal combustion engines. 2,344,152; Mar. 14.

Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for setting plastic eyelets. 2,343,982; Mar. 14.

Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Operating on thermoplastic eyelets. 2,343,983; Mar. 14.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air translating apparatus. 2,344,309; Mar. 14.

Koch, Rudolf, Berlin-Grunau, Germany; vested in the Alien Property Custodian. Aircraft wing. 2,344,044; Mar. 14.

Kochenderfer, Frank E., and C. V. Shriver, Spokane, Wash. Valve wheel. 2,344,045; Mar. 14.

Koehring Company. (See Jones, Daniel C., assignor.)

Koehring Company. (See Lichtenberg, Erich H., assignor.)

Komenda, Erwin, Korntal-Stuttgart, Germany; vested in the Alien Property Custodian. Vehicle body. 2,344,092; Mar. 14.

Kominik, Otto, New York, N. Y. Purse structure. 2,344,310; Mar. 14.

Kooperativa Förbundet Förening U. P. A. (See Sikström, Anton J., assignor.)

Kooperativa Förbundet Förening U. P. A. (See Vigborg, Karl M., assignor.)

Koppers Company. (See Totzek, Friedrich, assignor.)

Koret, Joe, San Francisco, Calif. Plaited skirt. 2,344,462; Mar. 14.

Koss, Peter. (See Woodward, Glen F., assignor.)

Kotowicz, Julieann, Woodside, Long Island, N. Y. Combination slip cover. 2,344,093; Mar. 14.

Kraut, Max, San Francisco, assignor to Southwestern Engineering Company, Los Angeles, Calif. Jig. 2,344,094; Mar. 14.

Kroier, Waldemar, Jacksonville, Fla. Awning fixture. 2,343,909; Mar. 14.

Kuhn, Ernst. (See Kallmann, H. I., and Kuhn.)

Külz, Fritz, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Therapeutically active tetrahydroisoquinoline compounds and process for their production. 2,344,095; Mar. 14.

Kümmich, Theodor, Stuttgart, Germany; vested in the Alien Property Custodian. Operating arrangement, particularly for change-speed gearing for motor vehicles. 2,344,096; Mar. 14.

Kunz, John, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Inker mechanism. 2,343,910; Mar. 14.

Küppenbender, Heinz, Dresden, H. Eyth, Stuttgart-Sonnenburg and E. Jörg, Stuttgart, Germany; vested in the Alien Property Custodian. Photographic camera. 2,344,409; Mar. 14.

L. & B. Jewelry Manufacturing Company. (See Berthermann, Sidney J., assignor.)

Laird, John A., assignor to Joseph Lucas Limited, Birmingham, England. Dynamo and regulating means therefor. 2,344,311; Mar. 14.

Laird, Wilbur G., Pleasantville, N. Y. Floating roof storage apparatus for volatile liquids. 2,344,436; Mar. 14.

La Marquise Footwear, Inc. (See Pepitone, Sal, assignor.)

Lambert Brake Corporation, The. (See Lambert, Homer T., assignor.)

Lambert, Homer T., assignor to The Lambert Brake Corporation, St. Joseph, Mich. Brake control system. 2,343,984; Mar. 14.

Lamoureux, Joseph M., Mabton, Wash., assignor to Yakima Chief Ranches, Inc. Air separator. 2,343,985; Mar. 14.

Landahl, Eugene E. (See McBride, J. E., and Landahl.)

Lande, Julius M., New York, N. Y. Combined greeting card and container. 2,344,437; Mar. 14.

Lane, Frank B., deceased, Paragould, by H. I. Lane, Conway, administrator, assignor to Lifetime Truss Company, Inc., Jonesboro, Ark. Truss. 2,343,911; Mar. 14.

Lane, Harry I., administrator. (See Lane, Frank B.)

Larus & Brother Company. (See Reed, Charles L., assignor.)

Latour, Maurice, La Varenne-Saint-Hilaire, France; vested in the Alien Property Custodian. Instructive and demonstration apparatus or toy for the construction of various electric machines and devices. 2,344,438; Mar. 14.

Lauck, Albert G., Alton, Ill.; assignor to Owens-Illinois Glass Company. Revolving pot for glassware manufacture. 2,344,464; Mar. 14.

Lauck, John A., Cleveland, Ohio, assignor to Pesco Products Co. Flow equalizer. 2,343,912; Mar. 14.

Lauck, John A., South Euclid, Ohio, assignor to Pesco Products Co., Cleveland, Ohio. Flow equalizer. 2,344,465; Mar. 14.

Laughlin, Kenneth C., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic isomerization. 2,344,466; Mar. 14.

Leathers, Ward, Brooklyn, and H. Panissidi, Jamaica, assignors to International Business Machines Corporation, New York, N. Y. Telemetering apparatus. 2,344,254; Mar. 14.

Leclabart, Jean, Courbevoie, France; vested in the Alien Property Custodian. Heater for permanent waving. 2,344,097; Mar. 14.

Ledin, Charles, Stamford, Conn., and J. P. Andrew, New Rochelle, N. Y., assignors to Yale & Towne Manufacturing Company, of Stamford, Conn. Tubular lock. 2,344,484; Mar. 14.

Lee Rubber & Tire Corporation. (See Carlin, James C., assignor.)

Lehmann, Harry, Dusseldorf, Germany; vested in the Alien Property Custodian. Paper container blank. 2,344,359; Mar. 14.

Lenta, Giuseppe, Beausoleil, France; vested in the Alien Property Custodian. One-piece safety razor. 2,343,913; Mar. 14.

Leonard, Harry M., assignor of one-half to R. L. Gunn, Los Angeles, Calif. Method and means for illuminating objects. 2,344,153; Mar. 14.

Leonardson, Daniel, et al. (See Rowell, Joseph W., assignor.)

Leonardson, Edna S., et al. (See Rowell, Joseph W., assignor.)

Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Clutch and power transmission unit. 2,344,046; Mar. 14.

Letsche, Charles. (See Hallerstrom, H., and Letsche.)

Leutholt, Clifford J., Taylor, Pa., assignor to Marquette Metal Products Company, Cleveland, Ohio. Airfoil control. 2,343,986; Mar. 14.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Skip or hopper agitating and raising means. 2,344,312; Mar. 14.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Front apron construction. 2,344,313; Mar. 14.

Lichter, Martin H., Honolulu, Hawaii. Bottle holder. 2,344,255; Mar. 14.

Lifetime Truss Company. (See Lane, Frank B., assignor.)

Lighthipe, Charles H., Bloomfield, assignor to National Oil Products Company, Harrison, N. J. Sulphonation process. 2,344,154; Mar. 14.

Lilly, Eli, and Company. (See Henze, Henry R., assignor.)

Lindberg-Nielsen, Mads. (See Petersen, O., and Lindberg-Nielsen.)

Lindsay, Maxwell H. A., Summit, N. J., and K. Woloschak, New York, N. Y., assignors to American District Telegraph Company, Jersey City, N. J. Alarm system. 2,343,987; Mar. 14.

Line Material Company. (See Schultz, William O., assignor.)

Line Material Company. (See Steinmayer, Alwin G., assignor.)

Livoti, Charles, Roseville, Calif. Olive press. 2,343,871; Mar. 14.

Lloyd, Harry C., Syracuse, N. Y. Apparatus for burning liquid fuels. 2,344,439; Mar. 14.

Lloyd, Nicholas P., Wynnewood, Pa. Automatic lathe. 2,343,914; Mar. 14.

Lockheed Aircraft Corporation. (See Price, Nathan C., assignor.)

Loeb, William S., assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,343,915; Mar. 14.

Lohse, Julius, Berlin, Germany; vested in the Alien Property Custodian. Apparatus for directly producing metals from ores. 2,344,440; Mar. 14.

Loinaz, Salustiano, Biarritz, France; vested in the Alien Property Custodian. Shaving apparatus. 2,344,360; Mar. 14.

Long, Frederick F., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for loosening yarn packages. 2,343,916; Mar. 14.

Lorenz, Charles H., New Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Interchangeable electric apparatus. 2,344,441; Mar. 14.

Low, John J., Los Angeles, Calif., assignor to Kay-Brunner Steel Products, Inc. Logging trailer. 2,343,872; Mar. 14.

Lowe, Charles B., Stamford, Conn., assignor to B. H. Brown, New York, N. Y. Fishing reel. 2,344,209; Mar. 14.

Lowe, John C., Quakertown, assignor of one-half to H. R. Lutz, borough of Sellersville, Pa. Pulp machine. 2,344,047; Mar. 14.

Lucas, Joseph, Limited. (See Laird, John A., assignor.)

Lucia, Louis V., West Hartford, assignor to The Silex Company, Hartford, Conn. Combination pressing and steaming iron. 2,344,098; Mar. 14.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Producing rotary cutters. 2,344,314; Mar. 14.

Luers, John M., Patents Incorporated. (See Luers, John M., assignor.)

Luers, John M., Mount Clemens, assignor to John Milton Luers Patents Incorporated, Detroit, Mich. Cutting-off blade. 2,344,442; Mar. 14.

Lutz, Harmer R. (See Lowe, John C., assignor.)

Luxer, Erwin. (See Hagedorn, G., Luxer, and Wahl.)

Lyon, LaVerne D., Goshen, and J. J. Rothwell, Elkhart, assignors to Penn Electric Switch Co., Goshen, Ind. Tire inflater. 2,344,256; Mar. 14.

Macbeth, Clarence H., Oakland, Calif. Book matches and cover. 2,344,210; Mar. 14.

MacDonald, Raymore D., Battle Creek, Mich., assignor to International Harvester Company. Control means for manure spreaders. 2,344,317; Mar. 14.

Mahoney, John J., Jr., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray intensity control circuit. 2,343,988; Mar. 14.

Malczewski, Jérémi, Lyon, France; vested in the Alien Property Custodian. Construction of turbomachines. 2,344,444; Mar. 14.

Manitowoc Shipbuilding Company. (See West, Charles C., assignor.)

Manning, Maxwell & Moore, Incorporated. (See Brandstrom, Fred, assignor.)

Mansfield, Bernard, Tottenville, assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Material for charging furnaces. 2,344,445; Mar. 14.

Marinsky, Davis. (See Morin, Louis H., assignor.)

Marker, William M., and R. L. Brown, assignors to Trade-Wind Motorfans, Inc., Los Angeles, Calif. Air conditioning apparatus. 2,344,048; Mar. 14.

Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Bomb releasing rack. 2,344,211; Mar. 14.

Marland, Richard W. See Miller, Starks L., assignor.)

Marquette Metal Products Company, The. (See Leutholt, Clifford J., assignor.)

Marshaus, Anthony J. (See Meese, G. E., Wunderlich, and Marshaus.)

Martin, Glenn L., Company, The. (See Pepersack, Francis J., assignor.)

Martinson, Edwin O., assignor to The C. S. Johnson Company, Champaign, Ill. Apparatus for depositing material under water. 2,344,446; Mar. 14.

Mastropole, Alfred J. (See Carlisle, R. W., and Mastropole.)

Matteo, Joseph F. (See Hoke, H. A., and Matteo.)

Matthias, Friedrich. (See Halbig, P., Matthias, and Treibs.)

Mattox, William J., assignor to Universal Oil Products Company, Chicago, Ill. Treament of hydrocarbons. 2,344,318; Mar. 14.

Maule, Belford D., Jackson, Mich. Tail wheel mounting. 2,344,157; Mar. 14.

Maxim Silencer Company, The. (See Saco, Felix, Jr., assignor.)

Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile treatment process. 2,343,920; Mar. 14.

May, Harold F., Valley Stream, G. L. Bush, Flushing, and E. Frischknecht, Jackson Heights, assignors to The Teleregister Corporation, New York, N. Y. Registering system. 2,343,989; Mar. 14.

Mey, Walter H., Pelham Manor, assignor to Carlin Comforts, Inc., New York, N. Y. Clock. 2,344,468; Mar. 14.

Maze, William V., assignor to C. E. Miller Manufacturing Corporation, Anderson, Ind. Tire vulcanizer. 2,344,158; Mar. 14.

McAllister, Sumner H., Lafayette, and W. E. Ross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alkylation process. 2,344,469; Mar. 14.

McBride, Jesse E., Highland Park, and E. E. Landahl, assignors to Palmer-Bee Company, Detroit, Mich. Free trolley system. 2,344,155; Mar. 14.

McCawley, Alvin E., assignor of one-half to D. E. Williams, Mont Belvieu, Tex. Oil leakage indicator. 2,344,315; Mar. 14.

McCord, Alvin C., and A. W. Gardes, assignors to McCord Radiator & Mfg. Co., Detroit, Mich. Cartridge clip loading machine. 2,344,443; Mar. 14.

McCord Radiator & Mfg. Co. (See McCord, A. C., and Gardes, assignors.)

McCormick, Elmer, and M. Hansen, assignors to John Deere Tractor Company, Waterloo, Iowa. Hydraulic power lift. 2,344,156; Mar. 14.

McCoy, Howard M., Patterson Field, Ohio. Deicing propeller spinners. 2,343,918; Mar. 14.

McFall, Thurlow E., Sparta, and O. G. Norton, Detroit, Mich., assignors, by mesne assignments, to The Perfect Circle Company, Hagerstown, Ind. Piston ring structure. 2,343,919; Mar. 14.

McKeen, Harold E., Sheep Creek, British Columbia, Canada. Bit former. 2,344,361; Mar. 14.

McKim, Burton, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 2,344,316; Mar. 14.

McKnight, William H. (See Powell, G. M., and McKnight.)

McLeod, Earle D. (See Morgan, W. L., and McLeod.)

McNeil Machine and Engineering Company, The. (See Brundage, James W., assignor.)

McNulty, Frank J., Los Angeles, Calif., assignor of forty percent to M. Talbot, Macon, Mo. Pneumatic tire vehicle wheel. 2,344,362; Mar. 14.

McWane, Arthur T. (See Allison, Thomas T., Jr., assignor.)

McWane, Henry E., Lynchburg, Va. Method and apparatus for cooling metal molds. 2,344,363; Mar. 14.

Meeks, Lonnie, San Antonio, Tex. Rotary internal combustion engine. 2,344,159; Mar. 14.

Meese, George E., East Cleveland, H. C. Wunderlich, Cleveland Heights, and A. J. Marshaus, Euclid, Ohio, assignors to General Electric Company. Electric lamp. 2,344,160; Mar. 14.

Meier, Georg, Nuremberg, Germany; vested in the Alien Property Custodian. Multiple mechanical pencil. 2,344,447; Mar. 14.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany; vested in the Alien Property Custodian. Bladed disk for radial flow rotary machines. 2,344,099; Mar. 14.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany; vested in the Alien Property Custodian. Radial flow turbine. 2,344,100; Mar. 14.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany; vested in the Alien Property Custodian. Elastic support of disks for radial flow rotary machines. 2,344,101; Mar. 14.

Meister, Walter F., Elizabeth, N. J., assignor to National Lead Company, New York, N. Y. Purification of titanium tetrachloride. 2,344,319; Mar. 14.

Meisterhans, Josef, Gotha, Germany; vested in the Alien Property Custodian. Nut to be fixed by an adhesive. 2,344,102; Mar. 14.

Melin, Edward M. (See Hyman, B. M., and Melin.)

Merit Engineering, Inc. (See Stevenson, R., and Keema, assignors.)

Merker, Samuel. (See Colella, Gerald S., assignor.)

Metal Specialties Manufacturing Co. (See Nyberg, Curt E., assignor.)

Metal Specialties Manufacturing Co. (See Ruskin, Henry, assignor.)

Meyercord Company, The. (See Brownlee, Kenneth H., assignor.)

Michaels, Frank L., Fort Thomas, Ky. Exhibition case construction. 2,344,161; Mar. 14.

Michigan Tool Company. (See Drader, Joseph C., assignor.)

Middlestead, Charles W. (See Winter, O. W., and Middlestead.)

Migliarese, John, assignor to The National Marking Machine Company, Cincinnati, Ohio. Method and apparatus for stenciling. 2,344,257; Mar. 14.

Miles, Francis T., Anniston, Ala., assignor to Monsanto Chemical Company. Conversion of hydrocarbons. 2,344,258; Mar. 14.

Miller, C. E., Manufacturing Corporation. (See Maze, William V., assignor.)

Miller Company, The. (See DeLancey, Ralph W., assignor.)

Miller Company, The. (See Runge, Richard M., assignor.)

Miller, Lloyd L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Slotting apparatus. 2,343,990; Mar. 14.

Miller Printing Machinery Co. (See Kunz, John, assignor.)

Miller, Ralph. (See Hixson, A. W., and Miller.)

Miller, Raymond J. (See Swift, J. F., and Miller.)

Miller, Starks L., assignor, by mesne assignments, to R. W. Marland, Denver, Colo. Grinding mill discharge. 2,344,162; Mar. 14.

Milwaukee Flush Valve Company. (See Judell, Julius S., assignor.)

Milwaukee Gas Specialty Company. (See Wantz, Clarence, assignor.)

Minneapolis-Honeywell Regulator Company. (See Sparrow, Hubert T., assignor.)

Misch, Arthur C., assignor to M. B. Skinner Company, South Bend, Ind. Service connector. 2,344,163; Mar. 14.

Mitchell, Harold S., assignor to Industrial Patents Corporation, Chicago, Ill. Paper treatment. 2,344,470; Mar. 14.

Mohns, David F., assignor to The Parker Pen Company, Janesville, Wis. Filling mechanism for fountain pens. 2,343,991; Mar. 14.

Mons, Elwood R. (See Wigglesworth, A. W., and Mons.)

Monsanto Chemical Company. (See Miles, Francis T., assignor.)

Monsanto Chemical Company. (See Renoil, Mary W., assignor.)

Moreland, Stephen T., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Closure and applicator rod assembly. 2,344,471; Mar. 14.

Morgan, Ralph H. (See Drexler, C., and Morgan.)

Morgan, Willard L., Edgewood, and E. D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated. Alkali salts of fatty carbamino compounds. 2,344,259; Mar. 14.

Morgan, Willard L., Edgewood, and E. D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated. Alkali salts of fatty amino compounds. 2,344,260; Mar. 14.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Shuttle slider. 2,344,049; Mar. 14.

Morrison, James L. D., assignor to New Products Corporation, Benton Harbor, Mich. Record changer for phonographs. 2,343,992; Mar. 14.

Mortlock, Joseph R., Kenton, K. J., R. Winkinson, and G. W. Carter, Rugby, England, assignors to General Electric Company. Dielectric monitor system. 2,344,261; Mar. 14.

Morton, André A., Paris, France; vested in the Alien Property Custodian. Hydraulic damping and stabilizing device. 2,344,050; Mar. 14.

Mullgardt, Alex S. (See Cherry, C. W., and Mullgardt.)

Munsingwear, Inc. (See Stephens, Zoma A., assignor.)

Munson, Everis D. (See Belcher, D., Munson, and Kindseth.)

Murch, John H. (See Hothersall, J. M., and Murch.)

Murphy, Thomas J., Stamford, Conn. Electroreciprocal system. 2,344,164; Mar. 14.

Nassau Smelting & Refining Company. (See Mansfield, Bernard, assignor.)

National Agrol Company. (See Christensen, Leo M., assignor.)

National Carbon Company. (See Hosfield, Lee C., assignor.)

National Lead Company. (See Dahlstrom, Roy, assignor.)

National Lead Company. (See Meister, Walter F., assignor.)

National Lead Company. (See Plechner, W. W., and Jarmus, assignors.)

National Marking Machine Company, The. (See Migliarese, John, assignor.)

National Oil Products Company. (See Buxton, L. O., and Rosenberg, assignors.)

National Oil Products Company. (See Lighthipe, Charles H., assignor.)

Naylor, Walter E., assignor to Champion Foundry and Machine Company, Chicago, Ill. Leveling device. 2,343,993; Mar. 14.

Neale, Dory J., Topeka, Kans. Cable car and spinner attachment. 2,344,051; Mar. 14.

Neale, Dory J., Topeka, Kans. Slack puller. 2,344,052; Mar. 14.

Newburg, Edward C., Lackawanna, N. Y., assignor to Bethlehem Steel Company. Combination gas and liquid fuel burner. 2,343,873; Mar. 14.

New Products Corporation. (See Morrison, James L. D., assignor.)

New Wrinkle, Inc. (See Waldie, William A., assignor.)

Nidiver, George F., Des Moines, Iowa. Wire stretcher. 2,344,320; Mar. 14.

Norton Company. (See Crompton, George, Jr., assignor.)

Norton Company. (See Flygare, C. G., and Silven, assignors.)

Norton, Oliver G. (See McFall, T. E., and Norton.)

Novoa, Jose M., Reparto Alturas de Almendares, Marianao, Cuba. Window blind. 2,344,165; Mar. 14.

Nuttall, Norman H. (See Griffin, I. L., Truax, and Nuttall.)

Nyberg, Curt E., assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Staple remover. 2,343,921; Mar. 14.

Nyborg, Edward. (See Henze, O. C. W., and Nyborg.)

Nygren, Cajs-Marie. (See Wallin, Ernst H., assignor.)

Nystrom, Axel C., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Core covering apparatus. 2,343,994; Mar. 14.

Oakes, Claude W., Naperville, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Fiberboard receptacle. 2,344,448; Mar. 14.

O'Callaghan, James S., Marblehead, Mass. Automatic drilling machine. 2,344,053; Mar. 14.

Ocon, Cecilio L. and E. A., Yonkers, N. Y.; said C. L. Ocon assignor to said E. A. Ocon. Conducting contact catalyst conversion of fluid reactants. 2,344,103; Mar. 14.

Ocon, Ernest A. (See Ocon, Cecilio L. and E. A.)

Odierna, Ernest, and A. Procario, New York, N. Y. Surgical cast cutter. 2,344,262; Mar. 14.

Ogorzaly, Henry J., Baton Rouge, La., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,344,449; Mar. 14.

Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)

Oliver Machinery Company. (See Tuthill, Howard B., assignor.)

Olpin, Henry C., and J. Wright, Spondon, near Derby, England, assignors to Celanese Corporation of America. Disazo dyes developed on the fiber. 2,343,995; Mar. 14.

Opie, John, Chicago, Ill. Attachment for ham stuffing presses. 2,344,054; Mar. 14.

Orthner, Ludwig, Frankfort-on-the-Main, G. Balle, Frankfort-on-the-Main-Sud, and H. Schild, Frankfort-on-the-Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Condensation products of sulphonic acid amides and sulphonic acid hydrazides and a process of preparing them. 2,344,321; Mar. 14.

Osborn, Alden E., Mount Vernon, N. Y. Dust protector for cylinders. 2,344,055; Mar. 14.

Osmose Wood Preserving Company of America, Inc. (See Bostrum, Enoch, assignor.)

Osteen, Richard T., Greenville, S. C., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa. Heddle frame support. 2,344,212; Mar. 14.

Otto, Michael, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Production of polymerization products from isobutylene. 2,344,213; Mar. 14.

Overhead Door Corporation. (See Blodgett, Herbert C., assignor.)

Owens-Illinois Can Company. (See Hermani, Louis, assignor.)

Owens-Illinois Glass Company. (See Lauck, Albert G., assignor.)

Owens-Illinois Glass Company. (See Moreland, Stephen T., assignor.)

Page, Alfred E., assignor to W. & T. Avery Limited, Birmingham, England. Vibratory feed control mechanism. 2,344,450; Mar. 14.

Palmer-Bee Company. (See McBride, J. E., and Landahl, assignors.)

Panissidi, Hugo. (See Leathers, W., and Panissidi.)

Pankhurst, Charles T., Ionia, Mich. Door latch. 2,344,451; Mar. 14.

Parker Appliance Company, The. (See Parker, Arthur L., assignor.)

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Tube coupling. 2,343,922; Mar. 14.

Parker Pen Company, The. (See Mohns, David F., assignor.)

Parsons, John B., Toledo, Ohio. Switch. 2,344,452; Mar. 14.

Pateras Pescara, Raul, Estoril, Portugal, assignor of one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A. Geneva, Switzerland. Free piston machine. 2,344,058; Mar. 14.

Paul, Elihu T., Corbin, assignor of one-half to Frank Craft, Pikesville, Ky. Convertible reclining chair. 2,343,923; Mar. 14.

Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Collating and posting device. 2,344,453; Mar. 14.

Padrick Tool & Machine Company. (See Shaw, Ralph M., Jr., assignor.)

Peevey, Lafayette H., Alameda, Calif. Cable anchor. 2,344,322; Mar. 14.

Peirce, George A., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sodium sulphide. 2,344,104; Mar. 14.

Pelphrey, Harry, Detroit, Mich. Tooth relieving machine. 2,344,323; Mar. 14.

Penn Electric Switch Co. (See Lyon, LaV. D., and Rothwell, assignors.)

Pennsylvania Railroad Company, The. (See Elsey, Warren R., assignor.)

Pennsylvania Railroad Company, The. (See Hoke, Harry A., assignor.)

Pennsylvania Railroad Company, The. (See Hoke, H. A., and Matteo, assignors.)

Pentecost, William A. (See Samwell, P. R., and Pentecost.)

Pepersack, Francis J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Drain valve tank fitting. 2,344,056; Mar. 14.

Pepitone, Sal, New York, N. Y., assignor, by mesne assignments, to La Marquise Footwear, Inc. Footwear. 2,344,057; Mar. 14.

Perez, Joseph R., San Antonio, Tex. Nut-cracking machine. 2,343,874; Mar. 14.

Perfect Circle Company, The. (See McFall, T. E., and Norton, assignors.)

Perfect Circle Company, The. (See Teetor, Macy O., assignor.)

Perkins, Willard T., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projector. 2,344,263; Mar. 14.

Perosa Corporation. (See Adamoli, Carlo, assignor.)

Perrault, Ainslee. (See Perrault, Lewis, assignor.)

Perrault, Lewis, assignor of one-half to Ainslee Perrault, Tulsa, Okla. Pipe coating and wrapping. 2,344,264; Mar. 14.

Perry, George H., Brooklyn, N. Y., assignor to Airtress Corporation of America. Pneumatic cushion. 2,343,996; Mar. 14.

Pesco Products Co. (See Lauck, John A., assignor.)

Peters, Gerhard, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Exterminating agent for vermin. 2,344,105; Mar. 14.

Peters, Robert I. (See Hopkins, G. E., Dow, and Peters.)

Petersen, Ove, Gentofte, near Copenhagen, and M. Lindberg-Nielsen, Copenhagen, Denmark; vested in the Alien Property Custodian. Internal combustion engine with cross-head. 2,344,364; Mar. 14.

Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Folding tripod. 2,343,924; Mar. 14.

Peterson, Edward T., Reading, Pa. Rolling mill. 2,344,166; Mar. 14.

Pfanstiehl Chemical Company. (See Chandler, B., and Yuen, assignors.)

Pflasterer, George R., Greenville, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway signaling system. 2,344,324; Mar. 14.

Philbrook, John N. (See Upson, M. M., and Philbrook.)

Phillips, Harold F., Belmont, Mass. Bowling pin reconditioning apparatus. 2,344,365; Mar. 14.

Phillips Petroleum Company. (See Gerson, Gerhard, assignor.)

Pierce, John B., Foundation. (See Strong, William E. S., assignor.)

Pike, Ralph E., Yeadon, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metallic finish enamel. 2,343,925; Mar. 14.

Pinney, H. H. (See Williamson, Larkin R., assignor.)

Pitman, Henry L., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,344,167; Mar. 14.

Plechner, Walter W., Metuchen, and J. M. Jarmus, East Orange, N. J., assignors to National Lead Company, New York, N. Y. Hydrolysis. 2,344,265; Mar. 14.

Platner, Loyd D., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Training device. 2,344,454; Mar. 14.

Pollak Manufacturing Company. (See Markey, Roscoe L., assignor.)

Pollock, Robert T., assignor to J. L. Sweeney, New York, N. Y. Typewriting machine. 2,343,926; Mar. 14.

Powell, George M., and W. H. McKnight, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Stabilized vinyl resin coating. 2,343,997; Mar. 14.

Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,343,998; Mar. 14.

Pownall, Henry B. (See Soling, S. P., and Pownall.)

Pownall, Henry B., York, Pa., assignor to York Corporation. Refrigeration. 2,344,214; Mar. 14.

Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Counterrotating supercharger. 2,344,366; Mar. 14.

Procario, Angelo. (See Odierna, E., and Procario.)

Pueschel, Paul, Glencoe, Ill. Bird feeder. 2,344,367; Mar. 14.

Pullen, Rodney S., Akron, Ohio. Match packet and making it. 2,344,059; Mar. 14.

Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Wire opening container. 2,344,325; Mar. 14.

Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Variable inductor. 2,343,999; Mar. 14.

Quattlebaum, William M., Jr. (See Rugeley, E. W., and Quattlebaum.)

R-B-M Manufacturing Company. (See Clayton, Harold H., assignor.)

Radio Corporation of America. (See del Valle, Guillermo A., assignor.)

Radio Corporation of America. (See Finch, James L., assignor.)

Rainflo Manufacturing Company, The. (See Kathe, Edmund A., assignor.)

Ratcliff, Ralph A., Canton, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,344,326; Mar. 14.

Rauh, Hermann, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian. Clutch mechanism for accounting machines. 2,344,410; Mar. 14.

Ray, Harry S., assignor to Raynoldy Corporation, New York, N. Y. Cosmetic holder. 2,344,060; Mar. 14.

Raydon, Kermit C., Lathrop, Mo. Roadway recording apparatus. 2,344,216; Mar. 14.

Raymond Concrete Pile Company. (See Upson, M. M., and Philbrook, assignors.)

Raynoldy Corporation. (See Ray, Harry S., assignor.)

Read, Philip C., Shorewood, assignor to Dostal & Lowey Co., Inc., Menominee Falls, Wis. Bottle carrying conveyer flight. 2,344,009; Mar. 14.

Reason, Richard E., and R. I. Garrod, assignors to Kapella Limited, Leicester, England. Apparatus for measuring surface roughness. 2,344,217; Mar. 14.

Reconstruction Finance Corporation. (See Elliott, Erwin B., assignor.)

Reece Button Hole Machine Company, The. (See Putnam, John P., assignor.)

Reed, Charles L., assignor to Larus & Brother Company, Inc., Richmond, Va. Method of and apparatus for treating tobacco. 2,344,106; Mar. 14.

Reed Manufacturing Company. (See Petersen, Thorvald, assignor.)

Regenhardt, Walter F., Wooster, Ohio. Filing cabinet. 2,344,168; Mar. 14.

Reeves, Richard E., Yonkers, N. Y., assignor to The Chemical Foundation, Incorporated. Treatment of cellulosic material to increase its reactivity. 2,344,411; Mar. 14.

Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Catalytic isomerization. 2,344,467; Mar. 14.

Reissner, Hans, Chicago, Ill. Aircraft propeller construction. 2,344,266; Mar. 14.

Reitz, Henry C., Berkeley, Calif., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Proteinous compositions and their production. 2,344,267; Mar. 14.

Reliable Electric Company. (See Saul, James, assignor.)

Rench, Harry D., Racine, Wis., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Cleaning composition. 2,344,268; Mar. 14.

Renoll, Mary W., Dayton, Ohio., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of 1-chloro-1-fluoro ethylene. 2,344,061; Mar. 14.

Reppert, Roland, Pelham Manor, assignor to American Hard Rubber Company, New York, N. Y. Closure for battery box covers. 2,344,412; Mar. 14.

Reynst, Maximilien F. (See Dorsman, C., Reynst, and Veldhuizen.)

Rich, David, Rice Lake, Wis. Rail clamp. 2,344,368; Mar. 14.

Richards, Cecil C., West New York, assignor to Groov-Pin Corporation, Union City, N. J. Drive fastener. 2,344,413; Mar. 14.

Rinehart, Roscoe J., Isleton, Calif. Child's vehicle. 2,344,062; Mar. 14.

Risser, Bertha M., Toledo, Ohio. Bib positioning means. 2,344,169; Mar. 14.

Ritter, Herman, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser mechanism for sewing machines. 2,344,414; Mar. 14.

Röber, Constantin F., and E. Gustav Röthig, Dresden, Germany; vested in the Alien Property Custodian. Apparatus for supplying adhesive. 2,344,107; Mar. 14.

Roberts, Oscar L., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Conversion of hydrocarbon oils. 2,343,927; Mar. 14.

Roberts, Robert P., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of colored film-forming materials. 2,343,928; Mar. 14.

Robertson, Oliver W., Brookline, assignor to Continental Machinery Co., Inc., New Bedford, Mass. Treating hides and skins. 2,343,929; Mar. 14.

Robinson, Richard S., Geddes, assignor to The Solvay Process Company, New York, N. Y. Production of alkali metal sulphides. 2,344,001; Mar. 14.

Rolstad Manufacturing Company. (See Rolstad, M., and Cullen, assignors.)

Rolstad, Melvin, and H. E. Cullen, assignors to Rolstad Manufacturing Company, Minneapolis, Minn. Lather mixing machine. 2,344,170; Mar. 14.

Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)

Roselund, Harold A., assignor to The De Vilbiss Company, Toledo, Ohio. Moving spray guns or other devices through predetermined paths. 2,344,108; Mar. 14.

Rosenberg, Louis T. (See Buxton, L. O., and Rosenberg.)

Ross, William E. (See McAllister, S. H., and Ross.)

Rossmanith, Wolfgang, Solothurn, Switzerland; vested in the Alien Property Custodian. Automatic gun having sliding barrel. 2,344,109; Mar. 14.

Rote, Melvin A., Newark, N. J., assignor to Federal Telephone and Radio Corporation. Tower type antenna. 2,344,171; Mar. 14.

Röthig, Ernst. (See Röber, C. F., and Röthig.)

Rothwell, John J. (See Lyon, LaV. D., and Rothwell.)

Rowe, William W., Cincinnati, Ohio, assignor to Cincinnati Industries, Inc. Resin molding. 2,343,930; Mar. 14.

Rowell, Joseph W., assignor of one-fourth to E. S. Leonardson, and one-fourth to D. Leonardson, Los Angeles, Calif. Mechanical scanning device for television and remote control. 2,343,931; Mar. 14.

Rowlandson, Eric S., Rock Ferry, England. Liquid fuel burner. 2,344,218; Mar. 14.

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Rotary hook for lock-stitch sewing machines. 2,344,110; Mar. 14.

Ruen, Andrew A., and D. A. Ruen, Highland Park, Mich. Garment hanger. 2,344,172; Mar. 14.

Ruen, David A. (See Ruen, A. A., and D. A.)

Ruge, Arthur C., Cambridge, Mass. Switch. 2,344,173; Mar. 14.

Rugeley, Edward W., and W. M. Quattlebaum, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Spinning composition and textile fiber made therefrom. 2,344,002; Mar. 14.

Runge, Richard M., assignor to The Miller Company, Meriden, Conn. Closure. 2,344,327; Mar. 14.

Ruskin, Henry, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Staple magazine and feed means for stapling machines. 2,343,932; Mar. 14.

Ryan, Neva, Chicago, Ill. Stocking protector. 2,344,415; Mar. 14.

Ryba, Anton, Bolzano, Italy; vested in the Alien Property Custodian. Electromagnetic multiple-disk clutch. 2,344,111; Mar. 14.

Rybka, Benno, Berlin-Lankwitz, Germany; vested in the Alien Property Custodian. Gyroscopic device. 2,344,112; Mar. 14.

Saco, Felix, Jr., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Expansion joint. 2,344,269; Mar. 14.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package. 2,344,369; Mar. 14.

Samwell, Philip R., and W. A. Pentecost, assignors to Hammer-Bray Company, Ltd., Oakland, Calif. Adjustable broiler grid. 2,344,174; Mar. 14.

Saul, James, assignor to Reliable Electric Company, Chicago, Ill. Making connectors. 2,343,933; Mar. 14.

Scaife Company. (See Anthony, H. L., and Turnbull, assignors.)

Scheibe, Alfred. Dessau-Ziebigk, Germany; vested in the Alien Property Custodian. Piston. 2,344,416; Mar. 14.

Schild, Heinz. (See Orthner, L., Balle, and Schild.)

Schmidt, Harlow L., Milwaukee, Wis., and R. T. Hendrickson, Chicago, Ill.; said Schmidt assignor to The Heil Co., Milwaukee, Wis. Fairlead device for winding drums. 2,344,417; Mar. 14.

Schneider, Eugene F. (See Crumb, C. F., and Schneider.)

Schonberg, Jackson R., Westfield, N. J., assignor to Standard Oil Development Company. Removal of undesirable sulphur compounds from petroleum oil. 2,344,418; Mar. 14.

Schotte, Herbert, Berlin-Charlottenburg, and R. Ebert, Berlin-Halensee, Germany; vested in the Alien Property Custodian. Weed-destroying preparation. 2,344,063; Mar. 14.

Schrage, Franklin R., Riverside, assignor to Interlake Iron Corporation, Chicago, Ill. Coke burning method. 2,344,328; Mar. 14.

Schubert Company, The. (See Schubert, Milton V., assignor.)

Schubert, Milton V., assignor to The Schubert Company, North Manchester, Ind. Portable crib. 2,344,270; Mar. 14.

Schueler, Clarence H., Portsmouth, N. H. Bench clamp. 2,344,064; Mar. 14.

Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Switch. 2,344,113; Mar. 14.

Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Method of and apparatus for pouncing hats. 2,344,419; Mar. 14.

Schwartz, Arthur A., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Machine tool. 2,343,875; Mar. 14.

Schwartz, Arthur A., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Machine tool. 2,344,420; Mar. 14.

Schwartz, Harold A., Philadelphia, Pa. Shoe. 2,344,421; Mar. 14.

Scott, Harold A., Boylston, and E. W. Carlson, Auburn, Mass. Power hoisting device for tractor tools. 2,344,271; Mar. 14.

Sedgwick, Harry A., Shorewood, Wis. Pressure regulator for presses and the like. 2,344,114; Mar. 14.

Segal, Samuel, Brooklyn, N. Y. Lipstick holder. 2,343,934; Mar. 14.

Senfleben, Paul W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Winding machine. 2,343,935; Mar. 14.

Servel, Inc. (See Ehnbom, Bo K. G., assignor.)

Servel, Inc. (See Grossman, Franklin A., assignor.)

Sestan, Arthur, Hoboken, N. J. Grip or container vehicle. 2,344,272; Mar. 14.

Shannon, Roy C., Denver, Colo. Signal lantern. 2,344,175; Mar. 14.

Shapiro, Samuel, Brooklyn, N. Y. Illuminated knitting needle. 2,344,370; Mar. 14.

Shaw, Frank H., South Orange, assignor to Shaw Insulator Company, Irvington, N. J. Method of and machine for molding plastics. 2,344,176; Mar. 14.

Shaw Insulator Company. (See Shaw, Frank H., assignor.)

Shaw, Joseph C., assignor to United Aircraft Products, Inc., Dayton, Ohio. Conditioner for congealable liquids. 2,343,869; Mar. 14.

Shaw, Joseph C. (See Dykeman, R. G., Shaw, and Hoffman.)

Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Ring grinding machine. 2,344,371; Mar. 14.

Shell Development Company. (See Anderson, Alvin P., assignor.)

Shell Development Company. (See Ballard, S. A., and Haury, assignors.)

Shell Development Company. (See McAllister, S. H., and Ross, assignors.)

Shelton, Ira J. (See East, J., Shelton, and Harris.)

Sheptinsky, Julius, Brooklyn, N. Y., assignor to Bruno Patents Inc., Long Island City, N. Y. Device for producing incisions in rods or tubes. 2,344,003; Mar. 14.

Sherman, Rallston M., Glastonbury, Conn. Burner. 2,344,177; Mar. 14.

Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 2,343,876; Mar. 14.

Shock Proof Lens Guard, Inc. (See Brown, William, assignor.)

Shoresman, Allen M., assignor to Universal Oil Products Company, Chicago, Ill. Fractionating equipment. 2,344,329; Mar. 14.

Showers, Joseph R., Sr., Shelbyville, Ind. Till drawer construction. 2,343,936; Mar. 14.

Shriver, Clarence V. (See Kochenderfer, F. E., and Shriver.)

Sickinger, Helmut, Pforzheim, Germany; vested in the Alien Property Custodian. Watchcase. 2,344,422; Mar. 14.

Signaigo, Frank K. (See Freed, W. V., and Signaigo.)

Sikström, Anton J., assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden. Means for easily delivering paper, such as wrapping paper. 2,344,372; Mar. 14.

Silex Company, The. (See Lucia, Louis V., assignor.)

Silven, Herbert A. (See Flygare, C. G., and Silven.)

Simmons, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Engraving machine. 2,344,481; Mar. 14.

Simmons, John W., Cleveland Heights, Ohio. Fastener. 2,344,423; Mar. 14.

Simon, Herbert A., Brooklyn, N. Y. Display stand. 2,344,273; Mar. 14.

Singer Manufacturing Company, The. (See Ritter, Herman, assignor.)

Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)

Singleton, Howard S., Alexandria, Va. Welded pipe installation. 2,344,424; Mar. 14.

Six, Charles G., assignor to F. W. Berk and Company Limited, London, England. Preparation of ferric oxide. 2,344,004; Mar. 14.

Skinner, M. B., Company. (See Misch, Arthur C., assignor.)

Smit, J. K., & Sons, Inc. (See Taylor, Rutherford H., assignor.)

Smith, Clyde H., Panama City, Panama. Hydraulic built-in jack. 2,343,937; Mar. 14.

Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Cutting torch. 2,344,219; Mar. 14.

Smith, Howard, Paper Mills Limited. (See Brown, Herbert A., assignor.)

Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)

Snyder, Gerson, assignor to Snyder Mfg. Company, Philadelphia, Pa. Radio antenna. 2,344,425; Mar. 14.

Snyder Mfg. Company. (See Snyder, Gerson, assignor.)

Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A. (See Pateras Pescara, Raul, assignor.)

Societe Genevoise d'Instruments de Physique. (See Turrettini, Fernand, assignor.)

Socony-Vacuum Oil Company. (See Allred, Ernest B., assignor.)

Soling, Samuel P., and H. B. Pownall, York, Pa., assignors to York Corporation. Refrigeration. 2,344,215; Mar. 14.

Solvay Process Company, The. (See Robinson, Richard S., assignor.)

Sonotone Corporation. (See Carlisle, R. W., and Mastropole, assignors.)

Southwestern Engineering Company. (See Kraut, Max., assignor.)

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic device. 2,344,178; Mar. 14.

Spencer, Lyman E. (See Wilson, G. A., and Spencer.)

Stacom, Matthew J., Flushing, N. Y. Roller press. 2,344,274; Mar. 14.

Stahly, Grant L., Columbus, Ohio, and W. W. Carlson, Pittsburgh, Pa., assignors, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Ethyl ether of dextran. 2,344,179; Mar. 14.

Stahly, Grant L., Columbus, Ohio, and W. W. Carlson, Pittsburgh, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio. Soluble benzyl ether of dextran. 2,344,180; Mar. 14.

Stainbrook, Clyde E., Memphis, Tenn. Electric cooker. 2,344,373; Mar. 14.

Stamm, Edward P., Portland, Oreg. Bevel method sawing. 2,344,426; Mar. 14.

Standard Oil Development Company. (See Hibshman, Henry J., assignor.)

Standard Oil Development Company. (See Laughlin, Kenneth C., assignor.)

Standard Oil Development Company. (See Ogorzaly, Henry J., assignor.)

Standard Oil Development Company. (See Reeves, Edward D., assignor.)

Standard Oil Development Company. (See Schonberg, Jackson R., assignor.)

Staude, Edwin G., Minneapolis, Minn. Adhesive applying mechanism. 2,344,427; Mar. 14.

Stein, Hall and Company. (See Griffin, I. L., Truax, and Nuttall, assignors.)

Stein, Max B. (See Beaudet, George J., assignor.)

Steiner, Oscar, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photographic flash synchronizer equipment. 2,344,472; Mar. 14.

Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Making electromagnetic induction apparatus. 2,344,006; Mar. 14.

Stephens, Zoma A., assignor to Munsingwear, Inc., Minneapolis, Minn. Lady's undergarment. 2,344,374; Mar. 14.

Stephens, Zoma A., assignor to Munsingwear, Inc., Minneapolis, Minn. Lady's undergarment. 2,344,375; Mar. 14.

Stevenson, Donald E., Monrovia, Calif., assignor to Carpenter Paper Company. Envelope flap folding machine. 2,344,220; Mar. 14.

Stevenson, Robert, Barrington, and A. W. Keema, Providence, R. I., assignors to Merit Engineering, Inc. Remote control apparatus. 2,344,473; Mar. 14.

Stoeckicht, Will. (See Freitag, R., and Stoeckicht.)

Stoltz, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutting or drilling device. 2,344,065; Mar. 14.

Stone, George A., Columbus, Ohio. Method of and apparatus for treating cloth. 2,344,181; Mar. 14.

Stone, Nathaniel B., Washington, D. C. Doorknob. 2,344,376; Mar. 14.

Straub, Joseph C. A., Fort Wayne, Ind., assignor to International Harvester Company. Bearing. 2,344,275; Mar. 14.

Strong, William E. S., assignor to John B. Pierce Foundation, New York, N. Y. Mold filling apparatus. 2,343,938; Mar. 14.

Sturgeon, John F., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons 2,344,330; Mar. 14.

Sturm, Erwin, Boll, near Goppingen, Germany; vested in the Alien Property Custodian. Rope drum with regulable hydraulic drive, especially for lifts. 2,344,115; Mar. 14.

Sturtevant, B. F., Company. (See Cassie, John, assignor.)

Sturtevant, B. F., Company. (See Ferre, A. W., and Blanchard, assignors.)

Sullivan, Michael J., New York, N. Y. Fire extinguisher. 2,344,479; Mar. 14.

Sulzer Frères, Société Anonyme. (See Waeber, Erwin, assignor.)

Sundholm, Edwin P., Albert City, Iowa. Liquid-dispensing apparatus. 2,344,005; Mar. 14.

Sweeney, Joseph L. (See Henze, O. C. W., and Nyborg, assignors.)

Sweeney, Joseph L. (See Pollock, Robert T., assignor.)

Swift, John F., and R. J. Miller, assignors to Hydraulic Brake Company, Detroit, Mich. Frictional resistance test apparatus. 2,344,331; Mar. 14.

Szigeti, Gyorgy. (See Bay, Z., and Szigeti.)

T. I. (Group Services) Limited. (See Cormode, William J., assignor.)

T. I. (Group Services) Limited. (See Evans, David W. T., assignor.)

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,343,939; Mar. 14.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,343,940; Mar. 14.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,343,941; Mar. 14.

Talbot, Marguerite. (See McNulty, Frank J., assignor.)

Tanke, Willard H., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Two-way plow. 2,344,474; Mar. 14.

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Display device for suction cleaning apparatus. 2,344,182; Mar. 14.

Taylor, Kenneth A. (See Campbell, J., and Taylor.)

Taylor, Rutherford H., Millburn, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y. Method of and apparatus for producing cutting and abrading articles. 2,344,066; Mar. 14.

Teeple, Lawrence R., Portland, Oreg. Burner control for tending fire. 2,344,183; Mar. 14.

Teetor, Macy O., Newcastle, assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring. 2,343,942; Mar. 14.

Teleregister Corporation, The. (See May, H. F., Bush, and Frischknecht, assignors.)

Teletype Corporation. (See Carr, J. O., and Goetz, assignors.)

Texas Gulf Sulphur Company. (See Bencowitz, Isaac, assignor.)

Thomas, William D., Jr. (See Cook, E. W., and Thomas.)

Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Heat exchange apparatus. 2,344,184; Mar. 14.

Thompson, Donald C., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Cake flexing machine. 2,343,943; Mar. 14.

Thompson, Robert H., Inyokern, Calif. Fluid pressure actuated mechanism and control for the same. 2,344,276; Mar. 14.

Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., and Hake, assignors.)

Todd Company, The. (See Payne, Walter B., assignor.)

Torrey, Edward L., Oakland, Calif. Burner for fluid fuel. 2,344,428; Mar. 14.

Totzek, Friedrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Apparatus for the production of efficient fuel gases. 2,344,007; Mar. 14.

Trade-Wind Motorfans, Inc. (See Marker, W. M., and Brown, assignors.)

Trautner, Wagn, Hamilton, assignor to The K-D Lamp Co., Cincinnati, Ohio. Lantern. 2,344,221; Mar. 14.

Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Double walled sheet metal structure. 2,344,222; Mar. 14.

Treibs, Alfred. (See Halbig, P., Matthias, and Treibs.)

Tritsmans, Remi G., and S. Hendricx, Mortsel, near Antwerp, Belgium; vested in the Alien Property Custodian. Manufacture of flexible sheet material. 2,344,482; Mar. 14.

Trogman, William, Chicago, Ill. Box structure. 2,344,008; Mar. 14.

Trogman, William, Chicago, Ill. Box handle and latch. 2,344,009; Mar. 14.

Truax, Dave E. (See Griffin, I. L., Truax, and Nuttall.)

Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrading apparatus. 2,334,475; Mar. 14.

Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrading apparatus. 2,344,476; Mar. 14.

Turnbull, James C. (See Anthony, H. L., and Turnbull.)

Turrettini, Fernand, assignor to the firm Societe Genevoise d' Instruments de Physique, Geneva, Switzerland. Apparatus for truing grinding wheels. 2,344,332; Mar. 14.

Tuthill, Howard B., assignor to Oliver Machinery Company, Grand Rapids, Mich. Labeling machine. 2,344,185; Mar. 14.

Ullman, Roy, Roslyn, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,344,116; Mar. 14.

Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)

Underwood, James W. (See D'Alelio, G. F., and Underwood.)
Union Special Machine Company. (See Rubel, Charles F., assignor.)
Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
Union Switch and Signal Company, The. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Van Horn, James J., assignor.)
Unit Rays, Inc. (See Hebeler, Edward S., assignor.)
United Aircraft Corporation. (See King, Alexander H., assignor.)
United Aircraft Products, Inc. (See Hoffman, Allan C., assignor.)
United Aircraft Products, Inc. (See Shaw, Joseph C., assignor.)
United Shoe Machinery Corporation. (See Curtin, Leonard S., assignor.)
United Shoe Machinery Corporation. (See Knowlton, Cutler D., assignor.)
United Shoe Machinery Corporation. (See Seneffeben, Paul W., assignor.)
Universal Oil Products Company. (See Day, R. B., and Kanhofer, assignors.)
Universal Oil Products Company. (See Mattox, William J., assignor.)
Universal Oil Products Company. (See Shoresman, Allen M., assignor.)
Universal Oil Products Company. (See Sturgeon, John F., assignor.)
Upham, Harry E., Wakefield, Mass. Holder. 2,344,186; Mar. 14.
Upson, Maxwell M., Englewood, and J. N. Philbrook, Tenafly, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y. Vessel and constructing it. 2,344,223; Mar. 14.
Vandersteel, William. (See Huntley, H. B., and Vandersteel.)
Van Gelder, Dirk W., Maasniel, Netherlands; vested in the Alien Property Custodian. Purifying sulphuric acid solutions. 2,344,429; Mar. 14.
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,344,187; Mar. 14.
Van Horn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,344,333; Mar. 14.
Van Schaack, Robert H., Jr., Evanston, Ill. Preparing dibenzyl. 2,344,188; Mar. 14.
Vaughan, Paul S., Auburn, and A. W. Infanger, Cayuga, assignors to American Locomotive Company, New York, N. Y. Torsional vibration damper. 2,344,430; Mar. 14.
Veldhuizen, Romijn. (See Dorsman, C., Reynst, and Veldhuizen.)
Vickers Incorporated. (See Weathers, Leland C., assignors.)
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. High voltage winding. 2,344,334; Mar. 14.
Vierling, Otto, and P. Gänswein, Dresden, Germany; vested in the Alien Property Custodian. Making polarizing filters. 2,344,117; Mar. 14.
Vigborg, Karl M., assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden. Key lock and interlock for cash registers. 2,344,377; Mar. 14.
Villem, Raymond, Paris, France; vested in the Alien Property Custodian. Microphone phase compensator. 2,344,431; Mar. 14.
Waeber, Erwin, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Port-controlled opposed-piston internal combustion engine. 2,344,224; Mar. 14.
Wagenknecht, Otto E., assignor to Zenith Radio Corporation, Chicago, Ill. Extensible antenna. 2,343,944; Mar. 14.
Wagner, Max, Stuttgart, Germany; vested in the Alien Property Custodian. Chassis, especially for motor vehicles. 2,344,378; Mar. 14.
Wahl, Ernst-Günther. (See Hagedorn, G., Luxer, and Wahl.)
Wahlmark, Gunnar A., Rockford, Ill. Hydraulic transmission. 2,344,335; Mar. 14.
Wahlmark, Gunnar A., Rockford, Ill. Mechanism for actuating machine tool supports. 2,344,432; Mar. 14.
Waldie, William A. (See Drummond, F. E., and Waldie.)
Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkling enamel and making. 2,344,189; Mar. 14.
Waldie, William A., assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Crystallizing coating composition. 2,344,191; Mar. 14.
Waldie, William A., and J. E. Bersuder, assignors, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Preparation of dextran acetate. 2,344,190; Mar. 14.
Walker, Clinton L., Piedmont, Calif. Gripping and releasing device. 2,344,067; Mar. 14.
Walker Manufacturing Company. (See Osteen, Richard T., assignor.)
Wallin, Ernst H., Arvika, assignor to Cajs-Marie Nygren, Stocksberg, Stocksund, Sweden. Article intended for sport. 2,344,379; Mar. 14.
Walsh, Hennrietta Bros., Minneapolis, Minn. Combination beach robe, towel, and receptacle. 2,344,010; Mar. 14.
Wantz, Clarence, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lead connector. 2,344,192; Mar. 14.
Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
Waseige, Charles R., Rueil, France; vested in the Alien Property Custodian. Purifier and oil separating apparatus. 2,344,068; Mar. 14.
Washburn, Donald H., assignor to The American Rolling Mill Company, Middletown, Ohio. Strip looping device. 2,344,225; Mar. 14.
Wasser, Harry N., assignor to Ellwood Safety Appliance Company, Ellwood City, Pa. Foot guard. 2,344,069; Mar. 14.
Waukesha Motor Company. (See Fisher, James B., assignor.)
Weathers, Leland C., Falls Church, Va., assignor to Vickers Incorporated, Detroit, Mich. Follow-up system. 2,343,945; Mar. 14.
Weinstein, Henry K., Pittsburgh, Pa. Excavating tool. 2,344,336; Mar. 14.
Wells Lamont Corporation. (See Wells, William O., Jr., assignor.)
Wells, William O., Jr., Evanston, Ill., assignor to Wells Lamont Corporation. Glove. 2,344,477; Mar. 14.
West, Charles C., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. System of control for boats. 2,344,433; aMr. 14.
Western Electric Company. (See Adams, Robert T., assignor.)
Western Electric Company. (See Miller, Lloyd L., assignor.)
Western Electric Company. (See Nystrom, Axel C., assignor.)
Western Electric Company. (See Oakes, Claude W., assignor.)
Western Electric Company. (See Powell, Raymond E., assignor.)
Western Union Telegraph Company, The. (See Hamlett, Robert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taylor, Charles H., assignor.)
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Leaf cutting mechanism. 2,343,946; Mar. 14.
Wigglesworth, Albert W., Miami Beach, Fla., and E. R. Mons, assignors to Hill-Clarke Machinery Co., Chicago, Ill. Variable speed mechanism for machine tools. 2,344,434; Mar. 14.
Wilde, Arthur, et al. (See Groves, Martin V., assignor.)
Wilfert, Karl, Sindelfingen, and B. Barényi, Vaihingen-Rohr, Germany; vested in the Alien Property Custodian. Wheel suspension. 2,344,380; Mar. 14.
Wilkening Manufacturing Company. (See Loeb, William S., assignor.)
Wilkinson, Kenneth J. R. (See Mortlock, J. R., Wilkinson, and Carter.)
Williams, Darrell E. (See McCawley, Alvin E., assignor.)
Williams, Ethel B., et al. (See Coen, Joseph C., assignor.)
Williams, Herbert P., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Radio system for landing aircraft. 2,344,070; Mar. 14.
Williams, Kenneth R., et al. (See Coen, Joseph C., assignor.)
Williamson, Larkin R., Brooklyn, N. Y., assignor to H. H. Pinney, Cleveland, Ohio. Siphon inlet. 2,344,011; Mar. 14.
Wilson, Charles V. (See Allen, C. F. H., and Wilson.)
Wilson, Gerald A., and L. E. Spencer, Detroit, Mich. Surgical stitching apparatus. 2,344,071; Mar. 14.
Winestock, Theodore L., Lenox, Mass., assignor to General Electric Company. Core winding machine. 2,344,337; Mar. 14.
Winkelmann, Otto, Stuttgart-Degerloch, Germany; vested in the Alien Property Custodian. Vehicle having oscillating half axles. 2,344,072; Mar. 14.
Winter, Oto W., Grand Island, N. Y., and C. W. Middlestead, Warren, Ohio, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Index means for chain welding machines. 2,344,435; Mar. 14.
Woloschak, Konstantin. (See Lindsay, M. H. A., and Woloschak.)
Woodruff, Albert E., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Substation circuit. 2,344,338; Mar. 14.
Woodward, Glen F., assignor of forty-five percent to P. Koss, Chicago, Ill. Game apparatus. 2,344,193; Mar. 14.
Wright, John. (See Oipin, H. C., and Wright.)
Wright, Stephen G., Chicago, Ill. Making roofing granules. 2,344,073; Mar. 14.

Wright, Sumner B., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplitude range control in signal transmission systems. 2,344,012; Mar. 14.
Wulff Process Company. (See Hincke, William B., assignor.)
Wunderlich, Herbert C. (See Meese, G. E., Wunderlich, and Marshaus.)
Wunderlich, Friedrich, Nuremberg, Germany; vested in the Alien Property Custodian. Typewriting machine with covering hood. 2,344,118; Mar. 14.
Yakima Chief Ranches, Inc. (See Lamoureux, Joseph M., assignor.)
Yale & Towne Manufacturing Company. (See Ledin, C., and Andrew, assignors.)
York Corporation. (See Pownall, Henry B., assignor.)
York Corporation. (See Soling, S. P., and Pownall, assignors.)
Young, Leonard A., Detroit, Mich. Nut. 2,344,381; Mar. 14.
Yow, Elbert C., Washington, D. C. Apparatus for sharpening saws. 2,344,478; Mar. 14.
Yuen, Henry B. (See Chandler, B., and Yuen.)
Zeininger, Gustav, Oberesslingen, Germany; vested in the Alien Property Custodian. Electromagnetic signal hooter. 2,344,119; Mar. 14.
Zenith Radio Corporation. (See Wagenknecht, Otto E., assignor.)
Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker for sewing machines. 2,343,877; Mar. 14.
Zublin, John A., Los Angeles, Calif. Drilling lateral bores. 2,344,277; Mar. 14.
Zwald, Nicholas, Philadelphia, Pa. Automobile window supported hat rack and coat hanger device. 2,344,339; Mar. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cabinet. G. Wise. Re. 22,456; Mar. 14.
Segmental abrasive wheel. G. N. Jeppson and T. Larsson. Re. 22,457; Mar. 14.
Valve. W. G. Wilson. Re. 22,455; Mar. 14.

LIST OF DESIGN INVENTIONS

Arc welding device. C. P. Nielsen. 137,465; Mar. 14.
Badge or similar article, Emblematic. F. Manners. 137,462; Mar. 14.
Binoculars or the like. J. R. Miles. 137,441; Mar. 14.
Blouse. J. Koret. 137,452; Mar. 14.
Bow compass. A. P. Bartusch. 137,435; Mar. 14.
Brooch or similar article. A. Katz. 137,461; Mar. 14.
Card, Menu. L. Welk. 137,469; Mar. 14.
Chair, Folding dental. R. C. Angell. 137,434; Mar. 14.
Chair, Infant's. D. J. Driscoll. 137,437; Mar. 14.
Comb. A. J. Desimone. 137,474; Mar. 14.
Dagger. N. H. Harstad. 137,451; Mar. 14.
Dehydrator, Food. T. C. Smith. 137,468; Mar. 14.
Die for forming metal sheets. J. H. Engel. 137,460; Mar. 14.
Display device or similar article. M. E. Goldstein. 137,438; Mar. 14.
Doll, Two-faced. K. Perper. 137,445; Mar. 14.
Dress. K. Rost. 137,467; Mar. 14.
Dress. J. Walker. 137,456–7; Mar. 14.
Frame, Picture. J. A. Morehead. 137,475; Mar. 14.
Hat. F. Adams. 137,471; Mar. 14.
Hat, Lady's. E. A. Matlen. 137,454; Mar. 14.
Holder, Dental floss. C. L. Fairbanks. 137,450; Mar. 14.
Holder, Necktie. P. A. Crook. 137,436; Mar. 14.
Holder, Separable cigarette. R. J. Naddeo. 137,463; Mar. 14.
Jacket. S. Etkin. 137,449; Mar. 14.
Nail set. W. Bedell. 137,458; Mar. 14.
Propeller, Offset double. H. Birsh. 137,473; Mar. 14.
Propeller, Sigle-blade. H. Birsch. 137,472; Mar. 14.
Protractor or similar article, Combination. A. W. Colmery. 137,459; Mar. 14.
Receptacle, Refuse. A. Deutsch. 137,448; Mar. 14.
Ring, Cultivator. T. G. Schmeiser. 137,446; Mar. 14.
Rug or similar article of manufacture, Scatter. A. D. Clist. 137,443; Mar. 14.
Sanding machine, Portable. W. A. Lintern. 137,453; Mar. 14.
Scarf. E. Schenk. 137,455; Mar. 14.
Scoop. M. C. Long. 137,440; Mar. 14.
Sole and heel of a shoe, Combined. H. L. Pierson. 137,466; Mar. 14.
Sole, Shoe. S. Incardona. 137,439; Mar. 14.
Tape dispenser. G. W. Nedblake and R. H. Nordeen. 137,464; Mar. 14.
Tax return filing portfolio and record book, Combined. B. H. Schulist. 137,476; Mar. 14.
Toy top. C. J. Davidson. 137,444; Mar. 14.
Tray, High chair. P. J. Nordby. 137,442; Mar. 14.
Trimming or similar article, Embroidered. H. Tobler. 137,447; Mar. 14.
Wallet and case for keys and similar items, Combined. S. Wetterhahn. 137,470; Mar. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. D. C. Turnbull. 2,344,475; Mar. 14.
Abrading apparatus. D. C. Turnbull. 2,344,476; Mar. 14.
Acetate, Preparation of dextram. W. A. Waldie and J. E. Bersuder. 2,344,190; Mar. 14.
Acid condensation product of formaldehyde and acid condensation polymerization product of furfuryl alcohol and preparing the same. M. T. Harvey. 2,343,973; Mar. 14.
Acids from rosin acids, Separation of fatty. A. W. Hixson and R. Miller. 2,344,089; Mar. 14.
Addressing machine. H. P. Elliott. 2,344,345; Mar. 14.
Adhesive applying mechanism. E. G. Staude. 2,344,427; Mar. 14.
Agricultural implement. F. E. Hand. 2,344,301; Mar. 14.
Air conditioning. E. Altenkirch. 2,344,384; Mar. 14.
Air conditioning apparatus. W. M. Marker and R. L. Brown. 2,344,048; Mar. 14.
Air conditioning unit. W. W. Cummings, Jr. 2,343,959; Mar. 14.
Aircraft propeller construction. H. Reissner. 2,344,266; Mar. 14.
Aircraft wing. R. Koch. 2,344,044; Mar. 14.
Airfield. W. C. Coryell. 2,344,131; Mar. 14.
Airfoil control. C. J. Leutholt. 2,343,986; Mar. 14.
Airplane wing construction. C. M. Cosand. 2,344,286; Mar. 14.
Air separator. J. M. Lamoureux. 2,343,985; Mar. 14.
Air translating apparatus. G. H. Koch. 2,344,309; Mar. 14.
Alarm system. M. H. A. Lindsay and K. Woloschak. 2,343,987; Mar. 14.
Alkoxy-butadienes, Polymerization of. P. Halbig, F. Matthias, and A. Treibs. 2,344,085; Mar. 14.
Alkylation. E. B. Allred. 2,344,015; Mar. 14.
Alkylation process. S. H. McAllister and W. E. Ross. 2,344,469; Mar. 14.
Amplitude range control in signal transmission systems. S. B. Wright. 2,344,012; Mar. 14.
Antenna, Extensible. O. E. Wagenknecht. 2,343,944; Mar. 14.
Antenna, Tower type. M. A. Rote. 2,344,171; Mar. 14.
Apparatus for appling tape upon articles. R. T. Adams. 2,344,340; Mar. 14.
Apparatus for burning liquid fuels. H. C. Lloyd. 2,344,439; Mar. 14.
Apparatus for coating. J. Campbell and K. A. Taylor. 2,344,232; Mar. 14.
Apparatus for coating, Method and. C. W. Abbott. 2,343,858; Mar. 14.
Apparatus for cutting tapered filaments. P. W. Crane and R. T. Fields. 2,343,887; Mar. 14.
Apparatus for depositing material under water. E. O. Martinson. 2,344,446; Mar. 14.
Apparatus for directly producing metals from ores. J. Lohse. 2,344,440; Mar. 14.
Apparatus for electric heating. F. S. Denneen and W. C. Dunn. 2,343,889; Mar. 14.
Apparatus for feeding rod-shaped articles onto dipping plates. A. Hetz. 2,344,087; Mar. 14.
Apparatus for loosening yarn packages. F. F. Long. 2,343,916; Mar. 14.
Apparatus for measuring surface roughness. R. E. Reason and R. I. Garrod. 2,344,217; Mar. 14.
Apparatus for purifying steam. M. Frisch. 2,343,897; Mar. 14.
Apparatus for sharpening saws. E. C. Yow. 2,344,478; Mar. 14.
Apparatus for supplying adhesive. C. F. Röber and E. G. Röthig. 2,344,107; Mar. 14.
Apparatus for the production of decoctions, especially tea or coffee. S. Berger née Keresztes. 2,344,386; Mar. 14.
Apparatus for the production of efficient fuel gases. F. Totzek. 2,344,007; Mar. 14.
Apparatus for transforming mechanical energy into heat. A. Beldimano. 2,344,075; Mar. 14.
Apparatus for truing grinding wheels. F. Turrettini. 2,344,332; Mar. 14.
Apparatus or toy for the construction of various electric machines and devices, Instructive and demonstration. M. Latour. 2,344,438; Mar. 14.
Article intended for sport. E. H. Wallin. 2,344,379; Mar. 14.
Attachment for ham stuffing presses. J. Opie. 2,344,054; Mar. 14.
Automatic door bottom. W. E. Balousek. 2,344,278; Mar. 14.
Automatic lathe. N. P. Lloyd. 2,343,914; Mar. 14.
Automobile window supported hat rack and coat hanger device. N. Zwald. 2,344,339; Mar. 14.
Awning fixture. W. Kroier. 2,343,909; Mar. 14.
Bag feeding and packaging machine. D. Belcher, E. D. Munson, and H. V. Kindseth. 2,343,879; Mar. 14.
Bandage, Surgical. G. Bouziane. 2,344,021; Mar. 14.
Barium di(dihydro abietyl)dithiophosphate and making the same. E. W. Cook and W. D. Thomas, Jr. 2,344,394; Mar. 14.
Base, Plastering. E. Beerthuis. 2,344,279; Mar. 14.
Battery carrier. G. W. Gohring. 2,344,141; Mar. 14.
Bearing: *See*—
Cooled shaft bearing.
Bearing. J. C. A. Straub. 2,344,275; Mar. 14.
Belt, Safety. A. D. De Shano. 2,344,031; Mar. 14.
Bench clamp. C. H. Schueler. 2,344,064; Mar. 14.
Benzyl ether of dextran, Soluble. G. L. Stahly and W. W. Carlson. 2,344,180; Mar. 14.
Beryllium compounds starting from ores containing beryllium, Obtaining soluble. C. Adamoli. 2,344,480; Mar. 14.
Bib positioning means. B. M. Risser. 2,344,169; Mar. 14.
Bird feeder. P. Pueschel. 2,344,367; Mar. 14.
Bit former. H. E. McKeen. 2,344,361; Mar. 14.
Blade, Cutting-off. J. M. Luers. 2,344,442; Mar. 14.
Bladed disk for radial flow rotary machines. U. Meininghaus. 2,344,099; Mar. 14.
Blind, Window. J. M. Novoa. 2,344,165; Mar. 14.
Boats, Control for. C. C. West. 2,344,433; Mar. 14.
Boiler: *See*—
Steam boiler.
Bomb releasing rack. R. I. Markey. 2,344,211; Mar. 14.
Bomb, Toy. G. L. Frady. 2,344,402; Mar. 14.
Bottle carrying conveyer flight. P. C. Read. 2,344,000; Mar. 14.
Bottle holder. M. H. Lichter. 2,344,255; Mar. 14.
Box structure. W. Trogman. 2,344,008; Mar. 14.
Brake: *See*—
Emergency wheel brake.
Brake arrangement. C. E. Tack. 2,343,939–41; Mar. 14.
Brake control system. H. T. Lambert. 2,343,984; Mar. 14.
Broach and preparing the same. B. Chandler and H. B. Yuen. 2,344,024; Mar. 14.
Burner: *See*—
Combination burner. Liquid fuel burner.
Gas burner. Oil burner.
Burner. R. M. Sherman. 2,344,177; Mar. 14.
Burner control for tending fire. L. R. Teeple. 2,344,183; Mar. 14.
Burner for fluid fuel. E. L. Torrey. 2,344,428; Mar. 14.
Burner for gas ranges, Cooking top. S. H. Hobson. 2,344,144; Mar. 14.
Cabinet: *See*—
Filing cabinet.
Cable anchor. L. H. Peevey. 2,344,322; Mar. 14.
Cable car and spinner attachment. D. J. Neale. 2,344,051; Mar. 14.
Calendar, Perpetual. A. L. Forbes. 2,343,969; Mar. 14.
Camera. T. McG. Aiken. 2,344,382; Mar. 14.
Camera, Photographic. H. Küppenbender, H. Eyth, and E. Jörg. 2,344,409; Mar. 14.
Car: *See*—
Mine car.
Carbon black, Production of. L. M. Conner. 2,344,027; Mar. 14.
Carbon-sheet support for typewriters. C. W. Brümhill. 2,344,201; Mar. 14.
Carburetor, Liquid feed. G. Gerson. 2,344,139; Mar. 14.
Carrier: *See*—
Battery carrier.
Cartridge clip loading machine. A. C. McCord and A. W. Gardes. 2,344,443; Mar. 14.
Case construction, Exhibition. F. L. Michaels. 2,344,161; Mar. 14.
Catalyst conversion of fluid reactants, Conducting contact. C. L. and E. A. Ocon. 2,344,103; Mar. 14.
Catalyst, Regenerating a "spent" noble metal oxide hydrogenation. W. J. Kirkpatrick. 2,344,208; Mar. 14.
Catalytic isomerization. K. C. Laughlin. 2,344,466; Mar. 14.
Catalytic isomerization. E. D. Reeves. 2 344,467; Mar. 14.
Cathode ray intensity control circuit. J. J. Mahoney, Jr. 2,343,988; Mar. 14.

Cathode ray oscilloscope observation and recordation, Means and method for. F. W. Frink. 2,344,296; Mar. 14.
Cellulosic material to increase its reactivity. Treatment of. R. E. Reeves. 2,344,411; Mar. 14.
Chain. S. J. Bertherman. 2,344,455; Mar. 14.
Chair: *See*—
Convertible reclining chair.
Chassis especially for motor vehicles. M. Wagner. 2,344,378; Mar. 14.
Chemical compounds β-(meta-hydroxyphenyl)- isopropylamines. G. Hildebrandt. 2,344,356; Mar. 14.
Child's vehicle. R. J. Rinehart. 2,344,062; Mar. 14.
Chlorine dioxide, Preparation of. C. H. Evans. 2,344,346; Mar. 14.
Cigars, Making. J. F. Halstead. 2,343,902; Mar. 14.
Circuit: *See*—
Cathode ray intensity control circuit. Substation circuit.
Clamp: *See*— Rail clamp.
Bench clamp.
Clinker rings, Formation of. P. Coiffu. 2,344,391; Mar. 14.
Cleaning composition. H. D. Rench. 2,344,268; Mar. 14.
Clock. W. H. May. 2,344,468; Mar. 14.
Closure. R. M. Runge. 2,344,327; Mar. 14.
Closure and applicator rod assembly. S. T. Moreland. 2,344,471; Mar. 14.
Closure for battery box covers. R. Reppert. 2,344,412; Mar. 14.
Cloth, Method of and apparatus for treating. G. A. Stone. 2,344,181; Mar. 14.
Clutch: *See*—
Electromagnetic multiple-desk clutch.
Clutch and power transmission unit. R. G. Le Tourneau. 2,344,046; Mar. 14.
Clutch control mechanism. W. A. Eaton. 2,344,399; Mar. 14.
Clutch mechanism for accounting machines. H. Rauh. 2,344,410; Mar. 14.
Coating composition, Crystallizing. W. A. Waldie. 2,344,191; Mar. 14.
Coating machine. J. M. Hothersall and J. H. Murch. 2,343,906; Mar. 14.
Coating method. F. E. Drummond. 2,344,138; Mar. 14.
Coke burning method. F. R. Schrage. 2,344,328; Mar. 14.
Collating and posting device. W. B. Payne. 2,344,453; Mar. 14.
Colored film-forming materials, Production of. R. P. Roberts. 2,343,928; Mar. 14.
Comb frame for beehives. O. A. Colley. 2,344,284; Mar. 14.
Combination burner. J. A. Creighton. 2,344,203; Mar. 14.
Combination gas and liquid fuel burner. E. C. Newburg. 2,343,873; Mar. 14.
Combined greeting card and container. J. M. Lande. 2,344,437; Mar. 14.
Composite ribbon. A. G. Christ. 2,344,457; Mar. 14.
Composition and method for preserving wood. E. Bostrum. 2,344,019; Mar. 14.
Compositions containing a diamino diazinyl substituted-alkyl sulphide. G. F. D'Alelio and J. W. Underwood. 2,344,289; Mar. 14.
Compound hydraulic compressor. M. V. Groves. 2,343,901; Mar. 14.
Compressed fluid condenser. J. L. Finch. 2,344,238; Mar. 14.
Compression coupling. H. W. Eden. 2,344,032; Mar. 14.
Compressor. C. B. Curry. 2,344,028; Mar. 14.
Computer. H. B. Huntley and W. Vandersteel. 2,344,146; Mar. 14.
Concrete blocks, Method and apparatus for providing lifting hooks and recesses in. G. P. Forni. 2,344,206; Mar. 14.
Condensation products of sulphonic acid amides and sulphonic acid hydrazides and preparing them. L. Orthner, G. Baile, and H. Schild. 2,344,321; Mar. 14.
Condenser: *See*—
Compressed fluid condenser. Electric condenser.
Conditioner for congealable liquids. J. C. Shaw. 2,343,869; Mar. 14.
Conditioning device, Congealable liquid. R. G. Dykeman, J. C. Shaw, and A. C. Hoffman. 2,343,868; Mar. 14.
Conditioning device, Congealable liquid. A. C. Hoffman. 2,343,867; Mar. 14.
Connector: *See*—
Lead connector. Service connector.
Connectors, Making. J. Saul. 2,343,933; Mar. 14.
Container: *See*—
Wire opening container.
Container blank, Paper. H. Lehmann. 2,344,339; Mar. 14.
Container side seam sealing compound applying apparatus. J. Henchert and C. P. Ball. 2,344,303; Mar. 14.
Control panel and the like. H. H. Barnard. 2,344,197; Mar. 14.
Control system for resistance welding. G. Hagedorn. 2,344,353; Mar. 14.
Control unit for compressor systems. F. Brandstrom. 2,343,952; Mar. 14.
Converter, Neutron image. H. I. Kallmann and E. Kuhn. 2,344,042; Mar. 14.
Convertible reclining chair. E. T. Paul. 2,343,923; Mar. 14.
Cooled shaft bearing. D. Firth. 2,344,240; Mar. 14.
Core covering apparatus. A. C. Nystrom. 2,343,994; Mar. 14.
Core winding machine. T. L. Winestock. 2,344,337; Mar. 14.
Corn picker. B. M. Hyman and E. M. Melin. 2,344,305; Mar. 14.
Corn sheller. C. F. Crumb and E. F. Schneider. 2,344,235; Mar. 14.
Corrosion preventing agent. F. Giloy. 2,344,404; Mar. 14.
Cosmetic holder. H. S. Ray. 2,344,060; Mar. 14.
Coupling: *See*—
Compression coupling. Tube coupling.
Cover for cans, Sanitary. S. N. Donner. 2,344,343; Mar. 14.
Crankcase lubricant and chemical compound therefor. E. W. Cook and W. D. Thomas, Jr. 2,344,392; Mar. 14.
Crib, Portable. M. V. Schubert. 2,344,270; Mar. 14.
Cushion, Pneumatic. G. H. Perry. 2,343,996; Mar. 14.
Cutter: *See*—
Surgical cast cutter.
Cutters, Producing rotary. H. J. Luehrs. 2,344,314; Mar. 14.
Cutting and abrading articles, Method of and apparatus for producing. R. H. Taylor. 2,344,066; Mar. 14.
Cutting or drilling device. C. E. Stoltz. 2,344,065; Mar. 14.
Cutting tip with diverging outlet. J. J. Crowe. 2,343,958; Mar. 14.
Deodorizer, Dairy product. F. G. Cornell, Jr. 2,343,886; Mar. 14.
Device for analyzing surface defects. F. Dieffenbach. 2,343,891; Mar. 14.
Device for cleaning and drying roller stipplers. M. Ashpes. 2,344,017; Mar. 14.
Device for oscillographing electrical or mechanical processes. C. Dorsman, M. F. Reynst, and R. Veldhuizen. 2,344,344; Mar. 14.
Device for producing incisions in rods or tubes. J. Sheptinsky. 2,344,003; Mar. 14.
Dibenzyl, Preparing. R. H. Van Schaack, Jr. 2,344,188; Mar. 14.
Dielectric monitor system. J. R. Mortlock, K. J. R. Wilkinson, and G. W. Carter. 2,344,261; Mar. 14.
Disazo dyes developed on the fiber. H. C. Olpin and J. Wright. 2,343,995; Mar. 14.
Display device for suction cleaning apparatus. C. H. Taylor. 2,344,182; Mar. 14.
Display stand. H. A. Simon. 2,344,273; Mar. 14.
Door control and switch therefor, Reversing. H. C. Blodgett. 2,343,951; Mar. 14.
Door latch. C. T. Pankhurst. 2,344,451; Mar. 14.
Drawbench gripper carriage. D. W. T. Evans. 2,344,293; Mar. 14.
Dresser for grinding wheels, Radius. F. S. Bellinger. 2,343,949; Mar. 14.
Drilling lateral bores. J. A. Zublin. 2,344,277; Mar. 14.
Drilling machine, Automatic. J. S. O'Callaghan. 2,344,053; Mar. 14.
Drive fastener. C. C. Richards. 2,344,413; Mar. 14.
Drum with regulable hydraulic drive, especially for lifts. Rope. E. Sturm. 2,344,115; Mar. 14.
Drying machine, Laundry. E. J. Downes. 2,344,135; Mar. 14.
Dust protector for cylinders. A. E. Osborn. 2,344,055; Mar. 14.
Dyestuffs of the anthracenic series, Preparation of. R. H. L. Bretagne. 2,344,389; Mar. 14.
Dynamo and regulating means therefor. J. A. Laird. 2,344,311; Mar. 14.
Earphone. R. W. Carlisle and A. J. Mastropole. 2,344,023; Mar. 14.
Electric circuit breaker with compressed fluid blowout. B. M. H. P. Fernier. 2,343,917; Mar. 14.
Electric clamp. G. E. Meese, H. C. Wunderlich and A. J. Marshaus. 2,344,160; Mar. 14.
Electric condenser. J. L. Finch. 2,344,239; Mar. 14.
Electric cooker. C. E. Stainbrook. 2,344,373; Mar. 14.
Electric lighting equipment. Z. Bay and G. Szigeti. 2,344,122; Mar. 14.
Electric switch. E. E. Johnson. 2,344,249; Mar. 14.
Electrically controlled automotive transmission. F. W. Cotterman. 2,343,955; Mar. 14.
Electroautomatic document collector and distributor. W. C. Gibson. 2,344,140; Mar. 14.
Electromagnetic device. H. T. Sparrow. 2,344,178; Mar. 14.
Electromagnetic induction apparatus. T. M. Evans. 2,344,294; Mar. 14.
Electromagnetic induction apparatus, Making. A. G. Steinmayer. 2,344,006; Mar. 14.
Electromagnetic multiple-disk clutch. A. Ryba. 2,344,111; Mar. 14.
Electromagnetically controlled device. L. C. Biggle. 2,343,861; Mar. 14.
Electroreciprocal system. T. J. Murphy. 2,344,164; Mar. 14.
Elevator, Portable. G. B. Davis. 2,344,134; Mar. 14.
Emergency wheel brake. A. R. Jackson. 2,344,148; Mar. 14.

Enamel and making, Wrinkling. W. A. Waldie. 2,344,189; Mar. 14.
Enamel, Metallic finish. R. E. Pike. 2,343,925; Mar. 14.
Enameling, Vitreous. C. J. Kinzie and D. S. Hake. 2,343,908; Mar. 14.
Engine: *See*—
Internal combustion engine. Rotary internal combustion engine.
Engine starter. J. W. Fitz Gerald. 2,343,966–7; Mar. 14.
Engine starting apparatus. R. Freitag and W. Stoeckicht. 2,344,083; Mar. 14.
Engraving machine. A. B. Simmons. 2,344,481; Mar. 14.
Envelope flap folding machine. D. E. Stevenson. 2,344,220; Mar. 14.
Equalizer, Flow. J. A. Lauck. 2,344,465; Mar. 14.
Ethyl ether of dextran. G. L. Stahly and W. W. Carlson. 2,344,179; Mar. 14.
Excavating tool. H. K. Weinstein. 2,344,336; Mar. 14.
Expansion joint. F. Saco, Jr. 2,344,269; Mar. 14.
Exterminating agent for vermin. G. Peters. 2,344,105; Mar. 14.
Eyeglasses, Adjustable and removable brace for frameless. W. Brown. 2,344,230; Mar. 14.
Fabric cleaning method and material, Pile. G. E. Hopkins, J. N. Dow, and R. I. Peters. 2,344,247; Mar. 14.
Fairlead device for winding drums. H. L. Schmidt and R. T. Hendrickson. 2,344,417; Mar. 14.
Fastener: *See*—
Drive fastener.
Fastener. J. W. Simmons. 2,344,423; Mar. 14.
Feeder: *See*—
Bird feeder.
Feeding mechanism for tire building. J. C. Carlin. 2,343,954; Mar. 14.
Fermentative production of 2, 3-butylene glycol. L. M. Christensen. 2,344,025; Mar. 14.
Ferric oxide, Preparation of. C. G. Six. 2,344,004; Mar. 14.
Fiberboard receptacle. C. W. Oakes. 2,344,448; Mar. 14.
Filing cabinet. W. F. Regenhardt. 2,344,168; Mar. 14.
Filling mechanism for fountain pens. D. F. Mohns. 2,343,991; Mar. 14.
Film for glass, Transmission. F. L. Jones. 2,344,250; Mar. 14.
Film forming composition, method, and article. I. L. Griffin, D. E. Truax, and N. H. Nuttall. 2,343,898; Mar. 14.
Film reel. G. W. Keene. 2,343,980; Mar. 14.
Film take-up. G. A. del Valle. 2,343,961; Mar. 14.
Filter for cigar- and cigarette-holders. A. de Bary. 2,344,342; Mar. 14.
Filters, Polarizing. O. Vierling and P. Gänswein. 2,344,117; Mar. 14.
Fire extinguisher. M. J. Sullivan. 2,344,479; Mar. 14.
Firing mechanism, Deep well. H. H. Greene. 2,344,297; Mar. 14.
Fishing reel. C. B. Lowe. 2,344,209; Mar. 14.
Fishing reel spool. J. A. Coxe. 2,344,132; Mar. 14.
Flexing machine, Cake. D. C. Thompson. 2,343,943; Mar. 14.
Floating roof storage apparatus for volatile liquids. W. G. Laird. 2,344,436; Mar. 14.
Flow equalizer. J. A. Lauck. 2,343,912; Mar. 14.
Fluid drive. J. Jandasek. 2,344,248; Mar. 14.
Fluid pressure actuated mechanism and control for the same. R. H. Thompson. 2,344,276; Mar. 14.
Fluid system control. A. H. Davis, Jr. 2,344,133; Mar. 14.
Flux, Brazing. H. L. Anthony and J. C. Turnbull. 2,344,195; Mar. 14.
Folding and interleaving machine. H. A. Brawn. 2,344,022; Mar. 14.
Follow-up system. L. C. Weathers. 2,343,945; Mar. 14.
Food product. R. J. Block and D. Bolling. 2,344,229; Mar. 14.
Foot-guard. H. N. Wasser. 2,344,069; Mar. 14.
Footwear. S. Pepitone. 2,344,057; Mar. 14.
Footwear, Manufacture of. G. S. Colella. 2,344,458; Mar. 14.
Fractionating equipment. A. M. Shoresman. 2,344,329; Mar. 14.
Frictional resistance test apparatus. J. F. Swift and R. J. Miller. 2,344,331; Mar. 14.
Front apron construction. E. H. Lichtenberg. 2,344,313; Mar. 14.
Game apparatus. G. F. Woodward. 2,344,193; Mar. 14.
Gangway connection between two vehicles coupled to each other, particularly flexible gangway bellows for railway carriages. H. Goy. 2,344,351; Mar. 14.
Garment, Foundation. H. J. Dubner. 2,344,237; Mar. 14.
Garment hanger. G. Heitzman. 2,343,865; Mar. 14.
Garment hanger. A. A. and D. A. Ruen. 2,344,172; Mar. 14.
Gas burner. B. K. G. Ehnbom. 2,344,400; Mar. 14.
Gas-heated soldering iron. J. Attlas. 2,344,196; Mar. 14.
Gauge, countersink, and drill, Depth. E. J. Harding. 2,344,143; Mar. 14.
Gearing, Engine starter. C. S. James. 2,344,463; Mar. 14.
Gears, Finishing. J. C. Drader. 2,344,292; Mar. 14.
Generator: *See*—
High-pressure steam generator. Vapor generator.
Glove. W. O. Wells, Jr. 2,344,477; Mar. 14.
Glove, Wrist sprung. K. L. Burgett. 2,344,080; Mar. 14.
Governor. A. Kalin. 2,344,308; Mar. 14.
Granules, Making roofing. S. G. Wright. 2,344,073; Mar. 14.
Grid, Adjustable broiler. P. R. Samwell and W. A. Pentecost. 2,344,174; Mar. 14.
Grinding machine, External-internal cylindrical. C. G. Flygare and H. A. Silven. 2,344,242; Mar. 14.
Grinding machine workhead. C. G. Flygare and H. A. Silven. 2,344,243; Mar. 14.
Grinding wheel tool. G. J. Beaudet. 2,344,385; Mar. 14.
Grip or container vehicle. A. Sestan. 2,344,272; Mar. 14.
Gripping and releasing device. C. L. Walker. 2,344,067; Mar. 14.
Guard for looms, Selvedge. L. Holloway. 2,344,407; Mar. 14.
Gun carriage. P. Kiang. 2,344,252; Mar. 14.
Gun having sliding barrel, Automatic. W. Rossmanith. 2,344,109; Mar. 14.
Gun sight mounting. W. H. D'Ardenne. 2,343,863; Mar. 14.
Gyro, Horizon. B. G. Carlson. 2,344,126; Mar. 14.
Gyroscopic device. B. Rybka. 2,344,112; Mar. 14.
Handcuff. F. V. Forsell. 2,344,348; Mar. 14.
Handle and latch, Box. W. Trogman. 2,344,009; Mar. 14.
Hanger: *See*—
Garment hanger.
Heat exchange apparatus. A. R. Thompson. 2,344,184; Mar. 14.
Heater: *See*—
Orchard heater.
Heater for permanent waving. J. Leclabart. 2,344,097; Mar. 14.
Heddle frame support. R. T. Osteen. 2,344,212; Mar. 14.
Hides and skins, Treating. O. W. Robertson. 2,343,929; Mar. 14.
High-pressure steam generator. W. Bredtschneider. 2,344,077; Mar. 14.
High voltage winding. J. J. Vienneau. 2,344,334; Mar. 14.
Hoist, Universal free tape. F. W. Coffing. 2,343,884; Mar. 14.
Holder: *See*—
Bottle holder. Lipstick holder.
Cosmetic holder.
Holder. H. E. Upham. 2,344,186; Mar. 14.
Hopper gate adjusting means. H. A. Hoke. 2,344,040; Mar. 14.
Horseshoe type motor. C. Finch. 2,334,401; Mar. 14.
Hosiery. J. L. Getaz. 2,344,350; Mar. 14.
Hub extension for mounting tractors. B. M. Hyman. 2,344,306; Mar. 14.
Humidity measuring and control apparatus. A. Allen and R. W. Cushman. 2,343,878; Mar. 14.
Hydraulic actuating mechanism. M. V. Groves. 2,344,299; Mar. 14.
Hydraulic brake compressor, Compound. M. V. Groves. 2,343,900; Mar. 14.
Hydraulic built-in jack. C. H. Smith. 2,343,937; Mar. 14.
Hydraulic damping and stabilizing device. A. A. Morton. 2,344,050; Mar. 14.
Hydraulic power lift. E. McCormick and M. Hansen. 2,344,156; Mar. 14.
Hydraulic transmission. G. A. Wahlmark. 2,344,335; Mar. 14.
Hydrocarbon conversion. R. B. Day and E. R. Kanhofer. 2,344,290; Mar. 14.
Hydrocarbon fluids, Treating. H. J. Ogorzaly. 2,344,449; Mar. 14.
Hydrocarbon oils, Conversion of. O. L. Roberts. 2,343,927; Mar. 14.
Hydrocarbons, Converson of. F. T. Miles. 2,344,258; Mar. 14.
Hydrocarbons, Conversion of. J. F. Sturgeon. 2,344,330; Mar. 14.
Hydrocarbons, Manufacture of alkylated benzene. W. Kaplan. 2,343,870; Mar. 14.
Hydrocarbons, Pyrolysis of. W. B. Hincke. 2,343,866; Mar. 14.
Hydrocarbons, Treatment of. W. J. Mattox. 2,344,318; Mar. 14.
Hydrolysis, Method of. W. W. Plechner and J. M. Jarmus. 2,344,265; Mar. 14.
Identifier, Key. B. Cooper. 2,344,234; Mar. 14.
Illuminating objects. H. M. Leonard. 2,344,153; Mar. 14.
Index means for chain welding machines. O. W. Winter and C. W. Middlestead. 2,344,435; Mar. 14.
Indicating device. H. H. Barnard. 2,344,198; Mar. 14.
Indicator: *See*—
Oil leakage indicator.
Inductor, Variable. J. P. Putnam. 2,343,990; Mar. 14.
Inflator, Tire. L. D. Lyon and J. J. Rothwell. 2,344,256; Mar. 14.
Inker mechanism. J. Kunz. 2,343,910; Mar. 14.

Inlet box for centrifugal fans. J. Cassie. 2,344,456; Mar. 14.
Interchangeable electric apparatus. C. H. Lorenz. 2,344,441; Mar. 14.
Internal combustion engine, Port-controlled opposed-piston. E. Waeber. 2,344,224; Mar. 14.
Internal combustion engine with crosshead. O. Petersen and M. Lindberg-Nielsen. 2,344,364; Mar. 14.
Iron: *See*—
Gas-heated soldering iron. Pressing and steaming iron.
Isophorone, Production of. S. A. Ballard and V. E. Haury. 2,344,226; Mar. 14.
Jack: *See*—
Hydraulic built-in jack.
Jig. M. Kraut. 2,344,094; Mar. 14.
Joint: *See*—
Expansion joint.
Juicer support. S. Behar. 2,344,227; Mar. 1.
Keyboard printing and perforating apparatus. J. O. Carr and M. T. Goetz. 2,343,882; Mar. 14.
Key lock and interlock for cash registers. K. M. Vigborg. 2,344,377; Mar. 14.
Knob, Door. N. B. Stone. 2,344,376; Mar. 14.
Labeling machine. H. B. Tuthill. 2,344,185; Mar. 14.
Lady's undergarment. Z. A. Stephens. 2,344,374–5; Mar. 14.
Lamp: *See*—
Electric lamp.
Lantern. W. Trautner. 2,344,221; Mar. 14.
Lantern, Signal. R. C. Shannon. 2,344,175; Mar. 14.
Latch: *See*—
Door latch.
Latching mechanism for drawers and the like. J. R. Jones, L. M. Hultberg, and V. A. Gronberg. 2,343,977; Mar. 14.
Lather mixing machine. M. Rolstad and H. E. Cullen. 2,344,170; Mar. 14.
Laundry machine. J. B. Kirby. 2,334,253; Mar. 14.
Lead connector. C. Wantz. 2,344,192; Mar. 14.
Lead-in arrangement. J. E. Beggs. 2,344,280; Mar. 14.
Leaf cutting mechanism. H. H. Wheeler. 2,343,946; Mar. 14.
Level, Illuminated bubble. E. F. Flint. 2,344,241; Mar. 14.
Leveling device. W. E. Naylor. 2,343,993; Mar. 14.
Life saving and sporting float device. C. S. Fisch. 2,343,965; Mar. 14.
Light-sensitive material for color photographic purposes and using the same. B. Gaspar. 2,344,084; Mar. 14.
Lighting, Television studio. A. N. Goldsmith. 2,343,971; Mar. 14.
Lipstick holder. S. Segal. 2,343,934; Mar. 14.
Liquid-dispensing apparatus. E. P. Sundholm. 2,344,005; Mar. 14.
Liquid fuel burner. E. S. Rowlandson. 2,344,218; Mar. 14.
Litmus dyestuff, Manufacturing. H. Asahina. 2,344,074; Mar. 14.
Lock: *See*—
Permutation and alarm lock. Tubular lock.
Loop-taker for sewing machines. S. Zonis. 2,343,877; Mar. 14.
Lubricating oil composition. E. W. Cook and W. D. Thomas, Jr. 2,344,393; Mar. 14.
Luminaire. K. Franck. 2,344,295; Mar. 14.
Luminescent substances to adhere to glass walls, Causing. A. Claude. 2,344,081; Mar. 14.
Machine for assembling metal containers. L. Hermani. 2,344,460; Mar. 14.
Machine tool. A. A. Schwartz. 2,343,875; Mar. 14.
Machine tool. A. A. Schwartz. 2,344,420; Mar. 14.
Machine tool. J. J. N. Van Hamersveld. 2,344,187; Mar. 14.
Machine tool and boring head therefor, Multiversal. F. W. Hack. 2,344,039; Mar. 14.
Manure spreaders, Control means for. R. D. MacDonald. 2,344,317; Mar. 14.
Mask or helmet, Welder's. E. S. Hebeler. 2,343,864; Mar. 14.
Match packet and making it. R. S. Pullen. 2,344,059; Mar. 14.
Matches and cover, Book. C. H. Macbeth. 2,344,210; Mar. 14.
Material digging and handling apparatus. S. Grubich. 2,344,246; Mar. 14.
Material for charging furnaces. B. Mansfield. 2,344,445; Mar. 14.
Material handling apparatus. R. A. Foresman. 2,344,347; Mar. 14.
Measuring instrument. R. Ullman. 2,344,116; Mar. 14.
Measuring pump. E. Dodson. 2,343,962; Mar. 14.
Mechanical scanning device for television and remote control. J. W. Rowell. 2,343,931; Mar. 14.
Mechanism for actuating machine tool supports. G. A. Wahlmark. 2,344,432; Mar. 14.
Mechanism for waxing thread. A. Burgeni and R. L. Keown. 2,344,079; Mar. 14.
Metal molds, Cooling. H. E. McWane. 2,344,363; Mar. 14.
Metal sulphides, Production of alkali. R. S. Robinson. 2,344,001; Mar. 14.
Microphone phase compensator. R. Villem. 2,344,431; Mar. 14.
Milk protein gel dessert and producing the same. L. J. Huber and L. H. Evans. 2,344,090; Mar. 14.
Mill: *See*—
Rolling mill.
Mill discharge, Grinding. S. L. Miller. 2,344,162; Mar. 14.
Mine car. R. A. Shields. 2,343,876; Mar. 1.
Mine, Submarine. P. Borracci. 2,344,483; Mar. 1.
Mixing machine. D. C. Jones. 2,344,307; Mar. 1.
Mixing plant. H. H. Barber. 2,344,228; Mar. 14.
Mold filling apparatus. W. E. S. Strong. 2,343,938; Mar. 14.
Motor: *See*—
Horseshoe type motor. Rotary motor.
Mounting: *See*—
Gun sight mounting. Tail wheel mounting.
Navigation plotter, Air. W. J. Catlett, Jr. 2,343,883; Mar. 14.
Necktie, Four-in-hand. J. J. Kaplan. 2,343,979; Mar. 14.
Needle, Illuminated knitting. S. Shapiro. 2,344,370; Mar. 14.
Neutrons or X-rays, Method and device for depicting objects by means of. H. I. Kallman and E. Kuhn. 2,344,043; Mar. 14.
Nitro compounds, Catalytic hydrogenation of. W. V. Freed and F. K. Signaigo. 2,344,244; Mar. 14.
Nonporous metal articles, Manufacture of. W. D. Jones. 2,343,978; Mar. 14.
Novel furfuryl alcohol-formaldehyde acid condensation resinous product and preparing the same. M. T. Harvey. 2,343,972; Mar. 14.
Nozzle, Automatic shutoff. L. F. Hammand. 2,343,903; Mar. 14.
Nozzle for the manufacture of mineral wool. M. E. Callander. 2,344,125; Mar. 14.
Nut. L. A. Young. 2,344,381; Mar. 14.
Nut-cracking machine. J. R. Perez. 2,343,874; Mar. 14.
Nut to be fixed by an adhesive. J. Meisterhans. 2,344,102; Mar. 14.
Oil burner. J. East, I. J. Shelton, and H. R. Harris. 2,344,398; Mar. 14.
Oil, Corrosion-preventive hydrocarbon. A. P. Anderson. 2,344,016; Mar. 14.
Oil leakage indicator. A. E. McCawley. 2,344,315; Mar. 14.
Oil, Lubricating. E. W. Cook and W. D. Thomas, Jr. 2,344,395; Mar. 14.
Oil, Removal of undesirable sulphur compounds from petroleum. J. R. Schonberg. 2,344,418; Mar. 14.
Oils, Refining of mineral. H. J. Hibshman. 2,344,406; Mar. 14.
Oils, Refining vitamin. L. O. Buxton and L. T. Rosenberg. 2,344,124; Mar. 14.
Olive press. C. Livoti. 2,343,871; Mar. 14.
1-(substituted alkyl)-5,5-disubstituted barbituric compounds. Preparing. H. R. Henze. 2,344,459; Mar. 14.
Operating arrangement, particularly for change-speed gearing for motor vehicles. T. Kummich. 2,344,096; Mar. 14.
Orchard heater. J. C. Gaffney and E. L. Kane. 2,344,403; Mar. 14.
Orienting mechanism. L. Hermani. 2,344,461; Mar. 14.
Ornamental figures, Making. E. Bonfiglioli. 2,344,076; Mar. 14.
Package. L. L. Salfisberg. 2,344,369; Mar. 14.
Paint, Submarine. E. Baumheier. 2,344,018; Mar. 14.
Paper, such as wrapping paper, Easily delivering. A. J. Sikström. 2,344,372; Mar. 14.
Paper treatment. H. S. Mitchell. 2,344,470; Mar. 14.
Pelt or case form. J. J. Fitzgerald. 2,343,968; Mar. 14.
Pencil, Multiple mechanical. G. Meier. 2,344,447; Mar. 14.
Perishable articles, Treating. M. Kasser. 2,344,151; Mar. 14.
Permutation and alarm lock. E. E. A. Hinnerfeldt. 2,344,088; Mar. 14.
Photographic flash synchronizer equipment. O. Steiner. 2,344,472; Mar. 14.
Photographic gelatin, Hardening. C. F. H. Allen and C. V. Wilson. 2,344,013; Mar. 14.
Photographic printing machine. G. P. Grover. 2,344,405; Mar. 14.
Pin reconditioning apparatus, Bowling. H. F. Phillips. 2,344,365; Mar. 14.
Pipe coating and wrapping. L. Perrault. 2,344,264; Mar. 14.
Pipe-floor connection, Sanitary and safety. A. Fishko. 2,343,896; Mar. 14.
Piston. A. Scheibe. 2,344,416; Mar. 14.
Piston machine, Free. R. Pateras Pescara. 2,344,058; Mar. 14.
Piston ring. W. S. Loeb. 2,343,915; Mar. 14.
Piston ring. M. O. Teetor. 2,343,942; Mar. 14.
Piston ring structure. T. E. McFall and O. G. Norton. 2,343,919; Mar. 14.
Pistons, Making forged. A. H. King. 2,344,358; Mar. 14.
Plant receptacle. E. Carlson. 2,344,202; Mar. 14.
Plastic eyelets, Apparatus for setting. C. D. Knowlton. 2,343,982; Mar. 14.
Plastics, Method of and machine for molding. F. H. Shaw. 2,344,176; Mar. 14.
Plate for storage batteries and producing the same. C. D. Galloway. 2,343,970; Mar. 14.

Plumbing fixture. J. S. Judell. 2,344,150; Mar. 14.
Pneumatic tire vehicle wheel. F. J. McNulty. 2,344,362; Mar. 14.
Portable drilling rigs, Shoring for. E. L. Alexander and A. W. Braithwaite. 2,344,383; Mar. 14.
Pot for glassware manufacture, Revolving. A. G. Lauck. 2,344,464; Mar. 14.
Pouncing hats, Method of and apparatus for. P. Schultze. 2,344,419; Mar. 14.
Power and control for articulated beds. C. Drexler and R. H. Morgan. 2,344,397; Mar. 14.
Power drive, Reversible. L. A. Graham. 2,344,352; Mar. 14.
Power hoisting device for tractor tools. H. A. Scott and E. W. Carlson. 2,344,271; Mar. 14.
Power lift. T. Brown and F. T. Court. 2,344,123; Mar. 14.
Preparation of 1-chloro-1-fluoro ethylene. M. W. Renoll. 2,344,061; Mar. 14.
Press: *See*—
Olive press. Roller press.
Press. J. W. Brundage. 2,343,881; Mar. 14.
Presser mechanism for sewing machines. H. Ritter. 2,344,414; Mar. 14.
Pressing and steaming iron, Combination. L. V. Lucia. 2,344,098; Mar. 14.
Production of polymerization products from isobutylene. M. Otto. 2,344,213; Mar. 14.
Projector. W. T. Perkins. 2,344,263; Mar. 14.
Propeller spinners, Deicing. H. M. McCoy. 2,343,918; Mar. 14.
Protector: *See*—
Stocking protector. Wrist watch protector.
Proteinous compositions and their production. H. C. Reitz. 2,344,267; Mar. 14.
Puller: *See*—
Slack puller.
Pulp machine. J. C. Lowe. 2,344,047; Mar. 14.
Pump: *See*—
Measuring pump.
Pump of the liquid ring type, Compression or depression. R. L. Dardelet. 2,344,396; Mar. 14.
Pumping means. J. L. Creveling. 2,344,287; Mar. 14.
Purifier and oil separating apparatus. C. R. Waseige. 2,344,068; Mar. 14.
Purse structure. O. Kominik. 2,344,310; Mar. 14.
Push button operating mechanism for permeability tuning purposes. M. J. Kirk. 2,344,091; Mar. 14.
Putty, Nonsettling. A. D. Covert. 2,344,130; Mar. 14.
Rack: *See*—
Bomb releasing rack.
Radial flow turbine. U. Meininghaus. 2,344,100; Mar. 14.
Radio antenna. G. Snyder. 2,344,425; Mar. 14.
Radio system for landing aircraft. H. P. Williams. 2,344,070; Mar. 14.
Rail clamp. D. Rich. 2,344,368; Mar. 14.
Railway car bolster suspension. W. R. Elsey. 2,344,034; Mar. 14.
Railway car truck. W. R. Elsey. 2,344,033; Mar. 14.
Railway signal apparatus. P. N. Bossart. 2,344,283; Mar. 14.
Railway signaling system. G. R. Pflasterer. 2,344,324; Mar. 14.
Railway traffic controlling apparatus. J. J. Van Horn. 2,344,333; Mar. 14.
Raising and lowering mechanism. H. Cohen. 2,344,390; Mar. 14.
Razor, One-piece safety. G. Lenta. 2,343,913; Mar. 14.
Receptacle: *See*—
Fiberboard reeceptacle. Plant receptacle.
Record changer for phonographs. J. J. Morrison. 2,343,992; Mar. 14.
Recording apparatus, Roadway. K. C. Raydon. 2,344,216; Mar. 14.
Recording instruments, Mounting and adjusting device for. H. H. Barnard. 2,344,199; Mar. 14.
Recording machine. H. H. Barnard. 2,344,200; Mar. 14.
Reel: *See*—
Film reel. Fishing reel.
Refrigerating apparatus. E. L. Horlacher. 2,344,145; Mar. 14.
Refrigeration. F. A. Grossman. 2,344,245; Mar. 14.
Refrigeration. H. B. Pownall. 2,344,214; Mar. 14.
Refrigeration. S. P. Soling and H. B. Pownall. 2,344,215; Mar. 14.
Registering system. H. F. May, G. L. Bush, and E. Frischknecht. 2,343,989; Mar. 14.
Regulator for presses and the like, Pressure. H. A. Sedgwick. 2,344,114; Mar. 14.
Remote control and supervisory system. G. A. Burns. 2,344,231; Mar. 14.
Remote control apparatus. R. Stevenson and A. W. Keema. 2,344,473; Mar. 14.
Resin and method of making, Pigmented. F. E. Drummond and W. A. Waldie. 2,344,137; Mar. 14.
Resin molding. W. W. Rowe. 2,343,930; Mar. 14.
Resin, Rosin base. G. R. Anderson. 2,344,194; Mar. 14.
Resins of the coumarone-indene type, Producing. E. L. Cline. 2,344,026; Mar. 14.
Resistor device. C. B. Green. 2,344,298; Mar. 14.
Revetment and block therefor. L. F. Harza. 2,344,302; Mar. 14.
Ring: *See*—
Piston ring.
Ring grinding machine. R. M. Shaw, Jr. 2,344,371; Mar. 14.
Rivet. C. W. Cherry and A. S. Mullgardt. 2,344,128; Mar. 14.
Riveting apparatus. C. W. Cherry. 2,344,127; Mar. 14.
Robe, towel, and receptacle, Combination beach. H. B. Walsh. 2,344,010; Mar. 14.
Roller press. M. J. Stacom. 2,344,274; Mar. 14.
Rolling machine. P. H. Hutchinson. 2,344,147; Mar. 14.
Rolling mill. E. T. Peterson. 2,344,166; Mar. 14.
Rope structure and making same. M. C. Dodge and N. R. Axelsson. 2,343,892; Mar. 14.
Rotary hook for lock-stitch sewing machines. C. F. Rubel. 2,344,110; Mar. 14.
Rotary internal combustion engine. L. Meeks. 2,344,159; Mar. 14.
Rotary motor. J. A. Bellazini. 2,343,948; Mar. 14.
Rudder for stern wheel vessels, Auxiliary. A. J. Dawson. 2,344,236; Mar. 14.
Safety ignition device for gas burners. G. Hegwein. 2,343,904; Mar. 14.
Salts of fatty amino compounds, Alkali. W. L. Morgan and E. D. McLeod. 2,344,260; Mar. 14.
Salts of fatty carbamino compounds, Alkali. W. L. Morgan and E. D. McLeod. 2,344,259–60; Mar. 14.
Sawing, Bevel method. E. P. Stamm. 2,344,426; Mar. 14.
Sedimentation apparatus. V. Harms. 2,344,355; Mar. 14.
Separator: *See*—
Air separator.
Serial numbers, Printing. K. H. Brownlee. 2,343,880; Mar. 14.
Service connector. A. C. Misch. 2,344,163; Mar. 14.
Shaker conveyer trough connecting means. L. D. Hagenbook. 2,344,300; Mar. 14.
Sharpener, Safety razor blade. B. S. King. 2,343,981; Mar. 14.
Shaving apparatus. S. Loinaz. 2,344,360; Mar. 14.
Sheet material, Manufacture of flexible. R. G. Tritsmans and S. Hendricx. 2,344,482; Mar. 14.
Sheet metal structure, Double walled. G. Trautvetter. 2,344,222; Mar. 14.
Sheet of thermoplastic materials, Process and apparatus for united. L. C. Hosfield. 2,343,975; Mar. 14.
Shirt. J. N. Doumaux. 2,344,204; Mar. 14.
Shock absorber. G. H. E. de Ram. 2,344,082; Mar. 14.
Shoe. H. A. Schwartz. 2,344,421; Mar. 14.
Shutter control with pressure compensation. A. L. Hannon. 2,344,207; Mar. 14.
Shuttle slider. L. H. Morin. 2,344,049; Mar. 14.
Signal: *See*—
Lantern signal. Warning signal.
Signal hooter, Electromagnetic. G. Zelninger. 2,344,119; Mar. 14.
Siphon inlet. L. R. Williamson. 2,344,011; Mar. 14.
Sizing tool. G. E. Franck. 2,344,036; Mar. 14.
Skip or hopper agitating and raising means. E. H. Lichtenberg. 2,344,312; Mar. 14.
Skirt, Plaited. J. Koret. 2,344,462; Mar. 14.
Slack puller. D. J. Neale. 2,344,052; Mar. 14.
Slip cover, Combination. J. Kotowicz. 2,344,093; Mar. 14.
Slotting apparatus. L. L. Miller. 2,343,990; Mar. 14.
Sodium sulphide, Manufacture of. G. A. Peirce. 2,344,104; Mar. 14.
Sorel cements, Producing. J. Berlek. 2,344,387; Mar. 14.
Speed changing device. J. C. Coen. 2,344,341; Mar. 14.
Speed mechanism for machine tools. A. W. Wigglesworth and E. R. Mons. 2,344,434; Mar. 14.
Spinning composition and textile fiber made therefrom. E. W. Rugeley and W. M. Quattlebaum, Jr. 2,344,002; Mar. 14.
Spray guns or other devices through predetermined paths. H. A. Roselund. 2,344,108; Mar. 14.
Sprayer, Convertible. G. R. Cargill. 2,344,233; Mar. 14.
Stabilized vinyl resin coating. G. M. Powell and W. H. McKnight. 2,343,997; Mar. 14.
Stalk topping and deleafing machine. E. B. Elliott. 2,343,963; Mar. 14.
Stand: *See*—
Display stand.
Staple magazine and feed means for stapling machines. H. Ruskin. 2,343,932; Mar. 14.
Staple remover. C. E. Nyberg. 2,343,921; Mar. 14.
Starting device for internal combustion engines. H. Klein. 2,344,152; Mar. 14.
Steam boiler. G. J. Kimbel. 2,343,907; Mar. 14.
Steel, Deep hardening silicon titanium. W. Crafts. 2,343,956; Mar. 14.
Steel, Heat treatment of. W. J. Crook. 2,343,888; Mar. 14.
Steering post and ignition lock, Combined. E. N. Jacobi. 2,343,976; Mar. 14.
Stenciling, Method and apparatus for. J. Miglarese. 2,344,257; Mar. 14.
Stock feed for paper making machines. E. E. Berry and L. Hornbostel. 2,344,281; Mar. 14.

Stock inlet for paper making machines. E. E. Berry and L. Hornbostel. 2,344,282; Mar. 14.
Stocking. H. Dietrich. 2,344,030; Mar. 14.
Stocking protector. N. Ryan. 2,344,415; Mar. 14.
Stove, Liquid fuel. R. W. DeLancey. 2,344,291; Mar. 14.
Strip feeding mechanism. A. F. Groll and M. R. Hatch. 2,343,899; Mar. 14.
Strip looping device. D. H. Washburn. 2,344,225; Mar. 14.
Stroboscopic timing and testing of Diesel and similar engines. H. M. Fuller. 2,344,037; Mar. 14.
Substation circuit. A. E. Woodruff. 2,344,338; Mar. 14.
Suit, Swimming. J. Hayward. 2,343,974; Mar. 14.
Sulphonation process. C. H. Lighthipe. 2,344,154; Mar.
Sulphur product and producing same. I. Bencowitz. 2,343,860; Mar. 14.
Sulphuric acid, Concentration of. M. J. Kalous. 2,344,408; Mar. 14.
Sulphuric acid solutions, Purifying. D. W. van Gelder. 2,344,429; Mar. 14.
Supercharger, Counterrotating. N. C. Price. 2,344,366; Mar. 14.
Support: *See*—
Heddle frame support. Juicer support.
Support of disks for radial flow rotary machines, Elastic. U. Meininghaus. 2,344,101; Mar. 14.
Surgical cast cutter. E. Odierna and A. Procario. 2,344,262; Mar. 14.
Surgical stitching apparatus. G. A. Wilson and L. E. Spencer. 2,344,071; Mar. 14.
Switch: *See*—
Electric switch.
Switch. J. B. Parsons. 2,344,452; Mar. 14.
Switch. A. C. Ruge. 2,344,173; Mar. 14.
Switch. W. O. Schultz. 2,344,113; Mar. 14.
Switch for compartment lights, Automatic. H. H. Clayton. 2,344,129; Mar. 14.
Synchronizing system. P. E. Day. 2,344,029; Mar. 14.
Table device. A. T. Jory. 2,344,149; Mar. 14.
Tail wheel mounting. B. D. Maule. 2,344,157; Mar. 14.
Tank fitting, Drain valve. F. J. Pepersack. 2,344,056; Mar. 14.
Telegraph system, Answer-back. R. T. Hamlett. 2,344,142; Mar. 14.
Telemetering apparatus. W. Leathers and H. Panissidi. 2,344,254; Mar. 14.
Telephone receiver. N. Baldwin. 2,343,859; Mar. 14.
Test method and apparatus therefor. E. D. Coleman. 2,343,885; Mar. 14.
Testing system. B. McKim. 2,344,316; Mar. 14.
Tetrachloride, Purification of titanium. W. F. Meister. 2,344,319; Mar. 14.
Textile treatment process. R. W. Maxwell. 2,343,920; Mar. 14.
Therapeutically active tetrahydroisoquinoline compounds and their production. F. Külz. 2,344,095; Mar. 14.
Thermal relay unit. P. M. Christensen. 2,343,862; Mar. 14.
Thermoplastic eyelets, Operating on. C. D. Knowlton. 2,343,983; Mar. 14.
Till drawer construction. J. R. Showers, Sr. 2,343,936; Mar. 14.
Tire vulcanizer. W. V. Maze. 2,344,158; Mar. 14.
Titaniferrous ores, Solubilizing of. R. Dahlstrom. 2,344,288; Mar. 14.
Tobacco, Treating. C. L. Reed. 2,344,106; Mar. 14.
Tool: *See*—
Excavating tool. Sizing tool.
Grinding wheel tool. Machine tool.
Tool and by-pass, Releasable setting. R. Bassinger. 2,344,121; Mar. 14.
Tool for dies and cutters, Hand compression. M. Canter. 2,343,953; Mar. 14.
Tooth relieving machine. H. Pelphrey. 2,344,323; Mar. 14.
Torch, Cutting. E. H. Smith. 2,344,219; Mar. 14.
Torsional vibration damper. P. S. Vaughan and A. W. Infanger. 2,344,430; Mar. 14.
Towing truck. J. B. Fisher. 2,343,894; Mar. 14.
Tractor-mounted inplement. R. A. Ratcliff. 2,344,326; Mar. 14.
Trailer, Logging. J. J. Low. 2,343,872; Mar. 14.
Training device. L. D. Plotner. 2,344,454; Mar. 14.
Transmission. P. Brissonnet and G. A. Durand. 2,344,078; Mar. 14.
Trimming machine. L. S. Curtin. 2,343,960; Mar. 14.
Tripod, Folding. T. Petersen. 2,343,924; Mar. 14.
Trolley system, Free. J. E. McBride. 2,344,155; Mar. 14.
Truss. F. B. Lane. 2,343,911; Mar. 14.
Tube coupling. A. L. Parker. 2,343,922; Mar. 14.
Tube expander. E. A. Dewald. 2,343,890; Mar. 14.
Tube nose forging furnace. N. L. Etten. 2,344,035; Mar. 14.
Tubular bodies, Centrifugally casting. J. Boucher. 2,344,020; Mar. 14.
Tubular lock. C. Ledin and J. P. Andrew. 2,344,484; Mar. 14.
Tuning mechanism, Push-button. H. C. Forbes. 2,344,205; Mar. 14.
Turbomachines, Construction of. J. Malczewski. 2,344,444; Mar. 14.
Two-way plow. W. H. Tanke. 2,344,474; Mar. 14.
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Upsetting of metal tubes, rods, or the like. W. J. Cormode. 2,344,285; Mar. 14.
Valve: *See*—
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Valve. H. A. Hoke and J. F. Matteo. 2,344,041; Mar. 14.
Valve construction. H. Hallerstrom and C. Letsche. 2,344,354; Mar. 14.
Valve wheel. F. E. Kochenderfer and C. V. Shriver. 2,344,045; Mar. 14.
Vapor generator. M. Frisch. 2,343,895; Mar. 14.
Vehicle: *See*—
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Vehicle driving mechanism. L. A. Bixby. 2,344,388; Mar. 14.
Vehicle having oscillating half axles. O. Winkelmann. 2,344,072; Mar. 14.
Vent pipe valve for fuel oil tanks. F. B. Hooper. 2,344,304; Mar. 14.
Vessel and constructing it. M. M. Upson and J. N. Philbrook. 2,344,223; Mar. 14.
Vibratory feed control mechanism. A. E. Page. 2,344,450; Mar. 14.
Vinyl esters, Stabilization of. A. Berne-Allen, Jr. 2,343,950; Mar. 14.
Vulcanizer. A. W. Ferre and C. E. Blanchard. 2,343,893; Mar. 14.
Warning signal. T. T. Allison, Jr. 2,344,014; Mar. 14.
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Water softening system. E. A. Kathe. 2,344,251; Mar. 14.
Weed destroying preparation. H. Schotte and R. Ebert. 2,344,063; Mar. 14.
Welded pipe installation. H. S. Singleton. 2,344,424; Mar. 14.
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Welding control system. G. Hagedorn, E. Luxer, and E. G. Wahl. 2,344,086; Mar. 14.
Wells, Method and apparatus for cementing. R. C. Baker. 2,344,120; Mar. 14.
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Valve wheel.
Wheel and making the same, Peripheral diamond abrasive. G. Crompton Jr. 2,343,957; Mar. 14.
Wheel and tire lock. C. D. Griffiths. 2,344,038; Mar. 14.
Wheel balancing machine. E. N. Forster. 2,344,349; Mar. 14.
Wheel suspension. K. Wilfert and B. Barényi. 2,344,380; Mar. 14.
Winding machine. P. W. Senfleben. 2,343,935; Mar. 14.
Winding mechanism. F. C. Evans. 2,343,964; Mar. 14.
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Wing nut. H. Auslander. 2,343,947; Mar. 14.
Wire opening container. W. F. Punte. 2,344,325; Mar. 14.
Wire stretcher. G. F. Nidiver. 2,344,320; Mar. 20.
Wrist watch protector. H. V. Dressen. 2,344,136; Mar. 14.

CLASSIFICATION OF PATENTS

ISSUED MARCH 14, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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Trade-Marks	72	No. 406,246 to No.	406,317 inclusive.
T. M. Renewals	70		
Reissues	1	No. 22,458	
Plant Patents	2	No. 619 to No.	620, inclusive.
Patents	453	No. 2,344,485 to No.	2,344,937, inclusive.
Designs	44	No. 137,477 to No.	137,520, inclusive.
Total	642		

Adjudicated Patents

(C. C. A. Miss.) Palmer patent, No. 1,794,537, for process of treating decolorizing agents, *Held* not infringed. *Newport Industries* v. *Crosby Naval Stores*, 139 F.(2d) 611, affirming 48 F. Supp. 422.

(C. C. A. Miss.) Palmer patent, No. 1,807,599, for process of purifying rosin, *Held* not infringed. *Id.*

(D. C. N. J.) Huntman patent, No. 1,971,957, for stabilizing shock-absorbing apparatus for motor vehicles, claims 1 to 4 *Held* valid and infringed. *Stabilizer Corporation* v. *General Motors Corporation*, 53 F. Supp. 43.

(D. C. N. J.) Huntman patent, No. 1,971,958, for method of stabilizing automobiles while in motion, claims 1 and 2 *Held* valid and infringed. *Id.*

(D. C. N. J.) Huntman patent, No. 1,971,959, for equalizing and shock-absorbing means for vehicles, claims 1 and 2 *Held* valid and infringed. *Id.*

(D. C. N. J.) Huntman patent, No. 1,971,960, for combined cross-bar equalizing and shock-absorbing means for vehicles, claim 6 *Held* valid and infringed. *Id.*

(C. C. A. N. Y.) Brown patent, No. 1,994,189, for life preserver jacket, *Held* invalid. *American Pad & Textile Co.* v. *Cluff Fabric Products*, 139 F.(2d) 696, affirming 49 F. Supp. 915.

(C. C. A. Mich.) Blanc patent, No. 2,069,871, for cutter member for cleaning drain pipes, claims 1 to 6 *Held* not infringed. *Blanc* v. *Cayo*, 139 F.(2d) 695, affirming 50 F. Supp. 552.

(D. C. N. J.) Broderson patent, No. 2,084,427, for method of making buttons, *Held* invalid and not infringed. *Rochester Button Co.* v. *Button Corporation of America*, 53 F. Supp. 2.

(D. C. N. J.) Huntman patent, No. 2,089,263, for stabilizer for vehicles, *Held* invalid. *Huntman Stabilizer Corporation* v. *General Motors Corporation*, 53 F. Supp. 43.

(D. C. N. J.) Huntman patent, No. 2,107,183, for stabilizing means for motor vehicles, *Held* invalid. *Id.*

(C. C. A. Iowa.) Criner patent, No. 2,110,290, for bread slicing machine, claims 7 to 10 *Held* not infringed. *Criner* v. *Micro-Westco, Inc.*, 139 F.(2d) 681.

(C. C. A. Iowa.) Criner patent, No. 2,195,641, for bread slicing machine, *Held* not infringed. *Id.*

(C. C. A. Md.) Bodman patent, No. 2,215,539, for soap and process of producing same, claims 5 and 7 *Held* valid and infringed. *Lever Bros. Co.* v. *Procter & Gamble Mfg. Co.*, 139 F.(2d) 633, reversing 49 F. Supp. 443.

(C. C. A. Mich.) Blanc reissue patent, No. 22,113, for drain cleaner, claims 4, 5, 7, 8, 9, 10, and 11 *Held* not infringed. *Blanc* v. *Cayo*, 139 F.(2d) 695. affirming 50 F. Supp. 552.

Rule 72

Rule 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Condition of Applications Under Examination at Close of Business March 4, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,333; Trade-Mark Division, 979. Oldest new case, Apr. 21, 1943; oldest amended, Apr. 27, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 29	Oct. 30	405
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 11	Aug. 19	480
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 5	July 3	967
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 13	July 30	498
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Aug. 17	Aug. 6	860
6. GENTESSE, E. W., Carbon Chemistry (part)	June 26	July 16	1254
7. JARBOE, C. G., Optics, Photography	Nov. 3	Oct. 1	720
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 25	Oct. 29	476
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 30	Aug. 14	696
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 30	Oct. 8	314
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 17	June 21	847
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Sept. 15	Sept 15	515
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Nov. 6	Oct. 20	556
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Aug. 21	Aug. 14	739
16. SPENCER, C. J., Telegraphy; Telephony	Sept. 25	Sept. 23	536
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 14	July 1	539
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	April 21	April 27	801
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 12	July 26	462
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 13	Sept. 25	438
21. THOMPSON, T. J., Textiles	Oct. 16	Sept. 18	376
22. CARPENTER, B. H., Aeronautics: Firearms; Ordnance	July 5	July 7	1161
23. BARROWS, B., Cash Registers; Calculators (part)	June 17	June 10	187
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Oct. 12	Oct. 8	533
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 2	Sept. 6	684
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 10	June 12	857
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 10	June 1	553
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	May 29	June 14	713
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 2	Sept. 9	571
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	June 4	June 10	960
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Sept. 23	Sept. 16	1146
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 13	Aug. 21	620
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Sept. 17	Sept. 28	645
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Oct. 7	Aug. 13	535
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 11	Oct. 4	405
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 17	Oct. 15	307
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 18	July 28	669
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	July 9	July 2	489
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 1	Oct. 19	577
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 19	Oct. 30	571
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 17	July 21	396
42. MARANS, H., Electric Signaling	Nov. 2	Oct. 25	367
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 29	Aug. 3	732
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 4	July 16	382
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Sept. 9	Sept. 15	816
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 28	Sept. 25	512
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Oct. 4	Oct. 2	678
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	July 20	July 20	854
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 2	Aug. 21	611
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Aug. 25	Aug. 25	1297
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	July 29	July 29	1332
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 15	Aug. 18	774
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 18	Aug. 7	343
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 4	May 21	682
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	July 14	July 12	644
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 3	Sept. 3	738
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	June 16	Ju..	596
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Sept. 17	July 29	616
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	July 23	July 28	1287
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	July 7	July 7	696
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	July 20	Aug. 14	431
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Oct. 18	Oct. 23	646
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	June 23	July 7	932
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Oct. 14	Oct. 12	1012
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 2	May 29	876
Trade-Marks: RICHMOND, F. A	†Jan. 19	†Jan. 19	979
Designs: KALUPY, H. H	†Feb. 1	†Feb. 17	421

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Cook

No. 4,775. Decided December 7, 1943

[— F.(2d) —]

1. Patentability—Motor Fuel and Method of Stabilizing.

A claim to a motor fuel comprising gasoline containing gum-forming constituents and a small amount of N-N'-di-secondary-propyl-p-phenylene diamine as a gum formation inhibitor, and a claim to a method of stabilizing gasoline which normally tends to deteriorate and develop gums on storage which comprises adding thereto a small amount of the same compound *Held* unpatentable over a patent to one Semon, in which the patentee states that his invention relates to preserving petroleum products and in which the patentee names the particular stabilizer recited in said claims.

2. Same—Same—Invention.

"Being familiar with Semon's teaching, it would not involve invention for one skilled in the art to follow the suggestion of the patentee to use the product he mentions as an inhibitor for 'petroleum products' in gasoline for the purpose of determining its stabilizing qualities and by his experiments discover that it was superior to other anti-oxidants used in the art."

Appeal from the Patent Office. Affirmed.

Mr. Wm. P. Spielman and *Mr. Harvey W. Edelblute* for Cook.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Bland, *J.*:

All the claims (4 to 9) of appellant's application for a patent for improvements in stabilization of motor fuels were finally rejected by the Primary Examiner of the United States Patent Office upon two grounds:

a. Non-inventive over a reference patent to Semon, No. 2,067,686, January 12, 1937.

b. Non-inventive over the said Semon patent in view of other named references, which rejection, in view of our conclusion, we do not need to consider here.

The Board of Appeals affirmed the decision of the Examiner in rejecting the said claims and, as we interpret its opinion, affirmed the rejection upon the ground that the claims were not inventive over said Semon patent. There has been some contention in the argument before us that the Board's decision must be construed as a disapproval of that part of the Examiner's decision which relied upon the references other than the said Semon patent. Since we agree with the holding of the Board that the two claims involved define nothing inventive over the said Semon patent, it is not necessary for us to discuss further the question as to whether the Board's opinion should or should not be construed in accordance with the contentions of appellant.

The claims involved are as follows:

4. A motor fuel comprising gasoline containing gum-forming constituents and a small amount of N-N'-di-secondary-propyl-p-phenylene diamine as a gum formation inhibitor.

9. A method of stabilizing gasoline which normally tends to deteriorate and develop gums on storage which comprises adding thereto a small amount of an N-N'-di-secondary-propyl-p-phenylene diamine.

Although appellant, in his application, has referred to numerous ingredients belonging to a certain class as being proper materials to use in gasoline to inhibit gum formation, the claims here involved name only N-N'-di-secondary-propyl-p-phenylene diamine, which is appellant's preferred material.

The said Semon patent defines the invention there involved as relating

"to the art of preserving rubber, synthetic plastics, fatty oils, petroleum products, and like organic materials against unduly rapid deterioration due to oxidation and the like."

It will be noticed in the above quotation that the patentee states that his invention relates to preserving petroleum products, and he subsequently, in the specification, names the particular stabilizer mentioned in the claims at bar. The latter fact is stated by the Examiner and agreed to by appellant.

It was the view of the Board that while a great number of products may come within the heading "petroleum products," "the one product which is most generally used is gasoline," and that since the patentee clearly discloses the use of the inhibitor in petroleum products, it would not involve invention to follow the suggestion of the patent and experiment with gasoline, and to determine that the inhibitor prevented deterioration or the development of gum.

Appellant argues that the patent does not mention gasoline or any other petroleum product by name, and that therefore the patent does not disclose the use of the claimed ingredient for the purpose of inhibiting gum formation in gasoline. Appellant claims that he has obtained a new result by the use of his inhibitor that could not be expected from the action of the inhibitor when applied to rubber.

[1] [2] It is not contended by anyone that appellant's entire disclosure is set out in the Semon patent or that said patent anticipates appellant's alleged invention, but it is the holding of the tribunal appealed from that in view of the circumstances above stated, it would not amount to invention to do what appellant has done.

We are in agreement with the holding of the Board. Being familiar with Semon's teaching, it would not involve invention for one skilled in the art to follow the suggestion of the patentee to use the product he mentions as an inhibitor for "petroleum products" in gasoline for the purpose of determining its stabilizing qualities and by his experiments discover that it was superior to other anti-oxidants used in the art.

The decision of this court in *In re Grettie*, 26 C. C. P. A. (Patents) 1259, 104 F.(2d) 359, 41 U. S. P. Q. 745, 508 O. G. 5, cited by the Solicitor for the Patent Office, seems to be pertinent for consideration in the decision of the instant case.

It follows that the decision of the Board of Appeals, from which decision this appeal is taken, should be, and is, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LEE ET AL.

No. 4,779. Decided December 7, 1943

[— F.(2d) —]

PATENTABILITY—TREATMENT OF ORES.

Certain claims to a process of treating ores for the extraction and recovery of silver and copper *Held* unpatentable over the prior art and also *Held* unpatentable over the claims of appellants' prior patent.

APPEAL from the Patent Office. Affirmed.

Mr. Charles K. Davies, Jr., for Lee et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 18 to 24, inclusive, and 26 to 28, inclusive, of appellants' application for a patent.

Claim 25 was also rejected by the Primary Examiner, but that rejection was reconsidered by him and the claim was held allowable.

The claims on appeal were rejected upon the ground of lacking patentability over the cited prior art, and also upon the ground that there was no patentable distinction between said claims and the claims of a patent issued to appellants, No. 2,197,272.

All of the claims are method claims. Claims 18, 20, and 26 are illustrative of the claims before us and read as follows:

18. The herein described process for the extraction and recovery of silver and copper from refractory sulphides which comprises calcination to form silver sulphate, under conditions allowing the maximum elimination of volatile impurities and the conversion of copper and other associated constituents to their higher oxide forms, in combination with the leaching of the calcine in an acidified solution containing an oxidizing agent, maintaining the oxidizing agent to hold both of the solids and dissolved salts in their states of oxidation.

20. The herein described process for the extraction and recovery of silver and copper from refractory materials by leaching in acidified solutions containing an oxidizing agent, maintaining the oxidizing agent to hold both the solids and dissolved salts in their higher states of oxidation.

26. The herein described process for the extraction of silver and copper from refractory materials in which the solids are entered into a leach system against neutralized solvent for the solution of the bulk of the silver and the solids advanced countercurrently to a flow of partially neutralized solvent containing an oxidizing agent, maintaining the oxidizing agent to hold the solids and dissolved salts in their higher states of oxidization, the proportion of solids to solution being such as to effect neutralization and purification of the solvent, separating the purified pregnant solutions for the recovery of values and advancing the partially leached solids countercurrently to a flow of regenerated solvent in which an oxidizing agent is maintained to hold the solids and dissolved salts in their higher states of oxidation, the volume of solvent flow being such as to allow free acid in the final pulp, washing and deliquoring the acid pulp, and conveying the partially neutralized solvent for neutralization and purification by agitation in the cycle with partially leached calcine.

The references relied upon in addition to appellants' patent above cited are: Smith et al., 617,911, January 17, 1899; Hybinette, 1,122,759, December 29, 1914.

Appellants' alleged invention is concisely described by the Primary Examiner as follows:

Applicants' invention relates to a process of treating ores for the extraction and recovery of silver and copper, and is alleged to be particularly suited to the treatment of ores not amenable to either direct lead or copper smelting operations, such as silver and gold bearing lead-copper sulfides, containing varying proportions of iron, antimony, arsenic, zinc, bismuth, selenium, tellurium and other objectionable impurities. Specifically applicants roast the ore and then leach the roasted ore in neutral or acid solutions containing an oxidizing agent so as to maintain an excess ferric ion concentration over ferrous ion concentration, this condition being favorable to the solution of the silver content of the ore. From the solution so produced the silver is precipitated by copper, and the copper recovered by electrolysis.

The patent to Smith et al. discloses a process for the treatment of copper ores. We quote therefrom as follows:

The invention is directed more particularly to the treatment of copper ores, and is equally applicable whether a minor percentage of silver be present in the ore or not. In preferred form the improvement designs to convert the metals into sulfates by digesting the ores under heat and pressure with a suitable oxidizing agent in presence of free sulfuric acid and after precipitating the silver, if any, by means of copper filings subjecting the solution to electrolysis. Under such action the copper and the oxidizing agent are for the most part recovered. The copper depositing on the cathodes, while the oxidizing agent is regenerated at the insoluble anodes and in proper state for reuse precipitates from the electrolyte. The residue of the metallic salts, with free sulfuric acid, constituting the bulk of the spent electrolyte, is later evaporated, the salts crystallized out and calcined or otherwise treated to restore the contained oxidizing agent to active condition for reuse, while the sulfuric acid after crystallization of the salts remains as a mother-liquor in readiness to be employed anew at the digester. The method proceeds in cycle—that is, the oxidizing agent and sulfuric acid, which effect the solution of the metallic elements of the ore at the leaching stage, are both ultimately recovered at marked saving, to be employed over again in digesting fresh batches of ore.

The patent to Hybinette discloses a method of extracting copper from ores in which the ore is calcined in order to render the metal values soluble in the leaching solution. The method disclosed also regulates the time and temperature of roasting to properly oxidize the metallic constituents of the ore.

The patent to Lee et al. (appellants) relates to a process for extracting silver from ores, concentrates, or other materials.

With respect to the disclosure of this patent, the Examiner in his statement said:

The claims allowed to applicants in this patent are directed to the same essential combination of steps; namely, the calcination of a sulfide ore containing silver and copper in order to convert the silver to the sulfate and the associated constituents to their higher oxide forms and the subsequent leaching of such calcine in an acid solution containing an oxidizing agent, the agent being maintained in amount sufficient to hold both the solids and dissolved salts in their higher oxide states (cf. claims 3 and 4). The dissolved silver is also recovered by precipitation as sponge (claim 6).

Claims 20 and 24 are very broad and merely embrace leaching the copper-silver ore with an acidified solution containing an oxidizing agent and maintaining the oxidizing agent to hold both the solids and dissolved salts in their higher states of oxidation. These claims were rejected by the Examiner on Smith et al. alone. The Board of Appeals approved this ground of rejection and in its decision pointed out in detail the various steps disclosed by Smith et al. corresponding to the process set forth in claims 20 and 24.

It seems to us that it is too clear for argument that these claims are fairly anticipated by Smith et al.

Claims 18 and 19 are similar to claims 20 and 24 except that they include the preliminary step of calcination. They were rejected by the Examiner upon Smith et al. in view of the patent to Hybinette. Appellants do not dispute that Hybinette discloses the step of calcining copper ores. With respect to these claims the Board of Appeals, in its decision, stated:

Claims 18 and 19 refer to the preliminary step of calcination. It is regarded as merely conventional in the metallurgy of silver and copper to preliminarily roast sulphide ores to convert the metals into oxide form. This is disclosed by Hybinette in similar and fully equivalent relation. The rejection of claims 18 and 19 on Smith in view of Hybinette is accordingly affirmed.

We are very clear that in view of the reference Hybinette the step of calcination in the claims does not render them patentable.

With respect to claim 21 the Board said:

Claim 21 merely requires in addition that counter-current principle be employed in the leaching step. While the Examiner has not supplied a definite citation to disclose counter-current plan of leaching in this exact relation, it is regarded as merely a matter of public knowledge and apparently not controverted by applicant that the counter-current principle of leaching is well-known as widely used in the chemical arts. Invention is not involved in this claim over Smith merely on the difference of employing a counter-current or continuous method of leaching rather than the possibly intermittent plan disclosed by Smith.

Appellants, in their brief, do not dispute the above quoted statement of the Board that the counter-current plan of leaching is a matter of public knowledge and is well known and widely used in the chemical arts. Therefore we are in agreement with the views of the Patent Office tribunals that the element of the counter-current principle, as set forth therein, does not aid patentability thereof, and hold that the claim was properly rejected for the same reasons that claims 18 and 19 were rejected.

With respect to the remaining claims, they were all rejected upon Smith et al. in view of Hybinette. These two patents disclose all of the elements of these claims other than the element of the counter-current principle hereinbefore discussed, and we are in agreement that none of the claims are allowable over Smith et al. in view of Hybinette. To combine the steps disclosed by Smith et al. with those disclosed by Hybinette in the relation as set forth in the involved claims would, as held by the Board, produce no new or unobvious result, but would be merely "a matter of utilizing two features with the expected sum of their effects."

It follows that we find no error in the rejection of all of the appealed claims upon the cited prior art.

We are also in agreement with the Patent Office tribunals that all of the claims before us lack patentability over appellants' prior patent.

Appellants, in their brief, state:

The same thread of invention may run through the two disclosures, it is true. But the patent disclosure covers the use of the process on silver bearing ore only. The application claims cover the process on silver and copper.

It may be conceded that the silver process of the patent might be carried out on the silver-copper ore, but the copper would be lost. It may also be conceded that the silver-copper process might be carried out on silver bearing ore but the steps for the recovery of copper would be wasted.

Appellants' patent discloses a process for extracting silver from ores while their present application relates to substantially the same process for the extraction of silver and copper from ores containing these metals. Appellants have not pointed out to us wherein any invention was involved in applying the process of their patent for the extraction of copper in addition to silver from ores.

We are in agreement with the Patent Office tribunals that there is no inventive difference between the claims before us and the claims allowed in appellants' patent. As stated by the Board of Appeals, the difference between the claims of appellants' patent and the claims before us is a mere difference in scope of claims, and the inclusion of copper in the claims before us does not make them patentably distinct from the claims of appellants' patent.

Finally, it is urged by appellants that the Patent Office tribunals have taken an inconsistent position in this case. They state in their brief:

Examiner argued that the claims are not patentable over Lee et al. because the same inventive concept appears in both the patent and this application. Examiner further states that the patentability of the claims of the patent rests on the maintenance of the ferric ion concentration.

If, then, the claims of the patent and the claims of this application are the same, as Examiner urges, how could the Examiner have allowed the claims of the patent over the art of Smith et al., and Hybinette. Reversing the reasoning then, if the claims of the patent were allowable over the prior art of Smith and Hybinette, then the claims of the application are allowable over the same art.

The Board of Appeals has therefore taken an incompatible position. If the claims of the application are the same as the claims of the patent then these claims are patentably distinguished from the prior art. If however, the claims of the application are anticipated by Smith and Hybinette, they must be different from the claims of the Lee patent. Things equal to the same thing are equal to each other.

In the first place we are not concerned here with any inconsistent positions which may have been taken by the Patent Office tribunals.

We have many times held that rejected claims cannot be allowed because the Patent Office tribunals had allowed substantially similar claims in the same application or in other applications. See *In re Eitzen*, 24 C. C. P. A. (Patents) 798, 86 F.(2d) 759, 478 O. G. 228.

In the second place we are not advised that the prior art cited in the instant case was also cited in appellants' application upon which their patent was issued. The Examiners of the Patent Office are highly qualified for the work performed by them, but they are not infallible, and it is conceivable that sometimes relevant references may be overlooked by them.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE THOMPSON

No. 4,811. Decided December 7, 1943

[— F.(2d) —]

PATENTABILITY—ADVERTISING DEVICE.

Claims to an advertising device by which a detachable business reply card is provided as part of the back cover of a magazine *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. William H. Atkinson, Mr. George C. Baldt and *Mr. Charles E. Riordon* for Thompson.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting all of the claims, 8 to 12 inclusive, of an application for a patent for an alleged invention relating to an advertising device.

It is stated in the specification that the device relates particularly to the back cover of a magazine or pamphlet which is periodically mailed to subscribers, and that the object of the invention is to provide a new and improved advertising format which includes a detachable business reply card which is part of the said cover.

On the outer side of the card appears a message to the advertiser and the address of the subscriber to the magazine, and on the inner side appears the advertiser's address and a postal permit imprint. If a subscriber desires to communicate with the advertiser, it is only necessary to tear the card from the cover and mail it. The advantage of the device is said to be that the card will be received by each subscriber to the magazine and the mailing list thereof is available to the advertiser.

Claim 8 is illustrative of the appealed claims and reads as follows:

8. A periodical magazine, comprising a plurality of leaves bound between two cover forming sheets, a major portion of the outside face of one cover sheet carrying advertising printed matter, and a smaller portion of said outside face carrying a printed message concerning the advertising and on which the name and address of a subscriber is applied after the magazine is printed and bound, the inside face of said one cover sheet having in back of the smaller portion of the outside face a postal permit imprint and the address of the advertiser, and said sheet being provided with a severance line between said major and said smaller portions, whereby the smaller portion bearing the message, the subscriber's name and address and the address of the advertiser may be severed from said one cover sheet and mailed to the advertiser without requiring postage or any writing on the part of the subscriber.

The Examiner rejected the claims upon the following references: Kittredge, 443,141, December 23, 1890; Bartmann et al. (Swiss), 28,596, July 15, 1903; Unger, 1,957,374, May 1, 1934.

The claims were rejected on Kittredge or Bartmann et al. in view of Unger and were further rejected as unpatentable over the Kittredge or Bartmann et al. references, and in his statement the Examiner held that patentability cannot be predicated only on printed matter, as set forth in the claims, but must reside in physical structure, citing *In re Sterling*, 21 C. C. P. A. (Patents) 1134, 70 F.(2d) 910, 21 U. S. P. Q. 519, 447 O. G. 999.

The Board of Appeals affirmed the decision of the Examiner rejecting the claims as unpatentable over the cited prior art, but reversed the Examiner's holding that the claims set forth only printed matter, stating that they may be regarded as defining an article of manufacture.

The Kittredge patent relates to "Advertiser's Reply-Coupons" printed in newspapers and pamphlets in which advertisements appear. The coupon or slip is in the form of a card which is printed and ready to mail to the advertiser upon the application of a stamp and the sender's name and address.

The Swiss patent relates to an advertising leaflet provided with a detachable travel ticket. Its purpose is said to have been to force the traveling public to take the advertising matter along on the trip, thereby being afforded the opportunity of reading it.

The Unger patent relates to advertising devices particularly adapted for large scale mail advertising campaigns. It comprises a blotter for ordinary hand use bearing the advertisement of the sender and having incorporated therein a return mailing card detachable from the blotter, preaddressed to the sender on its under side and having on the exposed side the address of the recipient. The latter address is arranged so as to be visible through an opening in the envelope in which the blotter is mailed. It is stated in the specification that the side of the card bearing the address of the sender may bear indicia indicating the prepaid character of the return card, and the exposed face of the card may bear on its upper portion a reply message. Thus it will be seen that the receiver of the advertisement, if he so desires may merely detach the card from the blotter and mail it.

The appellant contends that the claims are patentable for the reason that the mailing card portion which contains the name and address of the subscriber serves in the first place to direct the magazine to the subscriber, and subsequently when detached from the cover will furnish the advertiser with the name and address of the subscriber by merely mailing the return card portion and thus automatically establish an association between the magazine publisher, the subscriber and the advertiser, and reduce to a minimum the effort required for a follow-up.

Clearly there is no invention over the prior art in using a part of a magazine cover to form a return mailing card, nor in the mere fact that it is not necessary for the subscriber to affix a postage stamp or write his name on the card.

It appears to us that the physical structure of the reply card defined in the application is substantially the same as that which is shown in the card of the Unger patent. The only difference we are able to perceive between the Unger reference and the present application is that the card of the former would not be applied to the cover of a periodical magazine. In that patent as well as in the present case the article is addressed to the person sought to be reached by the advertisement and the reverse side of the card bears the address of the advertiser so that it may be simply detached and dropped in the mail box. In our opinion it would make no patentable difference whether the card is prepaid or requires the placing of a stamp thereon by the addressee.

The prior art, in our opinion, clearly discloses that the use of reply cards bearing a message from the advertiser and having the name of the recipient printed thereon is old, and it can make no patentable difference whether such card appears anywhere in a magazine, newspaper or other publication or advertising medium.

For the reasons herein set forth the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,551,314, H. K. Krantz, Thermal cutout; 1,675,322, C. E. Anderson, Circuit breaker; 1,749,536, J. J. Hogan, Switch; 2,073,104, 2,073,103, C. H. Hodgkins, Circuit breaker; 2,190,517, O. S. Jennings, same, appeal filed Feb. 2, 1944, C. C. A., 8th Cir., Doc. 12818, *Frank Adam Electric Co. v. Westinghouse Electric & Mfg. Co.* Doc. 12819, *Westinghouse Electric & Mfg. Co. v. Frank Adam Electric Co.*

1,561,906, 1,691,637, 1,922,755, 1,966,429, W. R. Buston, Key case; 1,959,207, C. H. Howe, same, appeal filed Feb. 9, 1944, C. C. A., 8th Cir., Doc. 12825, *P. A. Gardner, Jr., et al. v. Buston, Inc.*

1,675,322. (See 1,551,314.) 1,691,637. (See 1,561,906.)

1,749,536. (See 1,551,314.)

1,808,091, J. W. Waber, Pneumatic tire tube, D. C., N. D. Ill., E. Div., Doc. 5332, *J. W. Waber v. Montgomery Ward & Co., Inc., et al.* Patent held invalid, complaint dismissed for want of equity Jan. 10, 1944.

1,866,771, J. N. Johnson, Wrench, C. C. A., 2d Cir., Doc. —, *J. N. Johnson v. Hendricks & Howell.* Decree affirmed (notice Feb. 3, 1944).

1,917,262. (See Re. 21,956.)

1,922,755. (See 1,561,906.)

1,933,099, H. Derman, Built up container, filed Feb. 3, 1944, D. C., S. D. N. Y., Doc. 24/157, *H. Derman v. Gimbel Bros., Inc.*

1,949,971, Miller & Miller, Brake gauge adapter, C. C. A., 6th Cir., Doc. 9443, *Lempco Products, Inc., et al. v. Simmons Automotive Equipment Co.* Decree affirmed Jan. 24, 1944.

1,958,207. (See 1,561,906.)

1,961,932, P. H. Hyser, Electrical conductor, D. C., S. D. N. Y., Doc. 17/162, *P. H. Hyser v. General Electric Co.* Judgment dismissing complaint (notice Feb. 11, 1944).

1,966,429. (See 1,561,906.)

1,979,470, J. C. Johnston, Method of joining bell and spigot pipe sections, C. C. A., 6th Cir., Doc. 9526, *J. C. Johnston v. The Atlas Mineral Products Co. of Pa.* Patent held not infringed Feb. 7, 1944.

1,990,329, L. D. Johnson et al., Food product and method, D. C., N. D. Ill., E. Div., Doc. 4009, *Mead Johnson & Co. v. Sargent's Drug Store, Inc.* Dismissed with prejudice Jan. 19, 1944.

2,004,391, Price & Jones, Heat exchanger, filed Feb. 4, 1944, D. C., N. D. Ohio, E. Div., Doc. 22187, *The Griscom Russell Co. v. Brown Fintube Co.*

2,078,103. (See 1,551,314.) 2,078,104. (See 1,551,314.)

2,081,683, A. Solosko, Elastic attaching device; 2,097,877, S. Getmansky, Hat fastening device, filed Feb. 4, 1944, D. C., S. D. N. Y., Doc. 24/175, *A. Solosko et al. v. R. Levine.*

2,084,427, N. O. Broderson, Method of making buttons, D. C. N. J., Doc. 960, *Rochester Button Co. v. Button Corp. of America.* Dismissed Feb. 7, 1944.

2,097,877. (See 2,081,683.)

2,107,347, Sloane & Sloane, Reversible handbag cover, D. C. N. Y., Doc. 23/362, *Sloane Bros. v. Elite Products Co.* Stipulation and order of discontinuance (notice Feb. 11, 1944).

2,112,805, M. Bonotto, Process for extracting oils and fats from materials containing same; 2,156,236, same, Process and apparatus for extraction of oils, fats, and other soluble constituents from material containing same; 2,184,248, same, Method and mechanism for continuously forming liquid-impervious plugs in extraction units, filed Feb. 4, 1944, D. C., S. D. Ill., N. Div., Doc. P.–347, *Extractol Process, Ltd., v. Hiram Walker & Son, Inc.*

2,117,567, Myer & Horner, Flanged plate timber connecter, D. C., N. D. Ill., E. Div., Doc. 3465, *Timber Engineering Co. v. Carlson Building Specialties.* Consent judgment holding claim 3 valid and infringed, injunction; counterclaim Jan. 26, 1944.

2,118,468, T. G. Jungersen, Method of casting articles of intricate design and a product thereof, filed Feb. 14, 1944, D. C., S. D. N. Y., Doc. 24/221, *T. G. Jungersen v. Baden & Foss.*

2,156,236. (See 2,112,805.) 2,184,248. (See 2,112,805.)

2,190,517. (See 1,551,314.)

2,195,114, H. J. McCarthy, Non-stroboscopic discharge lamp units; Des. 120,563, Biggs & MacCarthy, Fluorescent lamp fixture; Des. 122,236, K. Scribner, same, D. C., N. D. Ill., E. Div., Doc. 2056, *Hygrade Sylvania Corp. v. Mitchell Mfg. Co.* Design patents dismissed with prejudice Dec. 8, 1941; by stipulation complaint and counterclaim dismissed without prejudice Jan. 26, 1944.

2,200,568, C. B. Weedon, Storm window, D. C., E. D. Mich., S. Div., Doc. 3863, *Superior Sash & Screen Co. v. Budman Sash & Hardware Co.* Default judgment for plaintiff Feb. 2, 1944.

2,219,393, H. H. McAdam, Defrosting device, filed Feb. 2, 1944, D. C., S. D. Calif. (Los Angeles), Doc. 3443, *Refrigeration Engineering, Inc., v. Gay Engineering Corp. of Calif. et al.*

2,221,851, M. B. Teamer, Gown, C. C. A., 2d Cir., Doc. —, *Custom Undergarment Corp. et al. v. R. H. Macy Co., Inc., et al.* Decree affirmed (notice Feb. 3, 1944).

2,254,392, J. L. Petrie, Diamond dressing tool and method of dressing grinding wheels, filed Feb. 3, 1944, D. C., E. D. Mich., S. Div., Doc. 4083, *Wheel Trueing Tool Co. of Delaware v. Service Diamond Tool Co.*

2,255,551, W. J. Willenborg, Single cell thermal conductivity measurements, D. C. N. J., Doc. 3185, *U. S. Fire Protection Co. et al. v. Monocel, Inc., et al.* Dismissed Feb. 7, 1944.

2,256,001, R. L. Titus, Exerciser, D. C., S. D. Calif. (Los Angeles), Doc. 2387–B, *B. Saunders v. N. H. Marshall et al.* Dismissed for lack of prosecution without prejudice Feb. 7, 1944.

2,258,413, M. Koven, Gem setting, D. C., S. D. N. Y., Doc. 23/334, *M. Koven v. Jas. McCreery & Co. et al.* Judgment holding patent valid, injunction (notice Jan. 31, 1944).

2,262,913, H. C. Behrens, Cut-off drive mechanism, filed Jan. 25, 1944, D. C. Md., Doc. 2151, *S. M. Langston Co. v. F. X. Hooper Co., Inc.*

2,329,462, C. C. Friedberg, Drape curtain, filed Feb. 14, 1944, D. C., E. D. N. Y., Doc. 3622, *Trio Curtain Co* v. *Abraham & Straus et al.*

Re. 21,956 (of 1,917,262), P. E. Hawkinson, Method of retreading tire casings, filed Feb. 4, 1944, D. C. Ill. (East St. Louis), Doc. 814, *Paul E. Hawkinson Co.* v. *Anna Tire & Retread Co.* Doc. 815, *Paul E. Hawkinson Co.* v. *Heaton Tire & Auto Supply.*

Des. 120,563. (See 2,195,114.)

Des. 122,236. (See 2,195,114.)

T. M. 195,360, Chanel, Inc., Toilet preparation; T. M. 215,556, same, Perfume and toilet water, D. C., N. D. Ill., E. Div., Doc. 43c1132, *Chanel, Inc.*, v. *G. Begley.* Consent decree granting injunction Dec. 3, 1943.

T. M. 215,556. (See T. M. 195,360.)

T. M. 312,478. (See T. M. 350,402.)

T. M. 332,971, Western Bottle Mfg. Co., Tooth brushes, D. C., N. D. Ill., E. Div., Doc. 43c1083, *Weco Products Co.* v. *S. L. Kresge Co.* Judgment on default granting injunction Dec. 16, 1943.

T. M. 350,402, T. M. 388,507, Max Factor & Co., Cosmetic in nature of a solidified cream used for a make-up base; T. M. 312,478, same, Bleach mask, eau de cologne, make-up foundation, etc., D. C., N. D. Ill., E. Div., Doc. 43c456, *Max Factor & Co.* v. *Parfait Powder Puff Co., Inc.* Consent judgment, action dismissed as to alleged infringement Jan. 19, 1944.

T. M. 388,507. (See T. M. 350,402.)

Disclaimers

Re. 21,420. *Harry Preston Pratt,* Chicago, Ill. RADIO APPARATUS. Patent dated April 9, 1940. Disclaimer filed February 21, 1944, by *Henry A. Allen, Howard T. Ballard, Morris S. Ballard,* and *Robert A. Swe, trustees of Pratt Radio Trust,* assignee.

Hereby enter this disclaimer to claim 8 of said patent.

1,719,820. *Andrew A. Kucher,* Chester, Pa. REFRIGERATOR. Patent dated July 2, 1929. Disclaimer filed February 12, 1944, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 12, 13, and 14.

1,724,569. *Ralph M. Elliott,* Minneapolis, Minn. HIGH-CHAIR STRUCTURE. Patent dated August 13, 1929. Disclaimer filed February 24, 1944, by the assignee, *The Lehman Company of America, Inc.*

Hereby disclaims claim 3 of said patent.

1,967,770. *James G. Ford,* Forest Hills, Pa. METHOD OF MANUFACTURING REFRIGERATING APPARATUS. Patent dated July 24, 1934. Disclaimer filed February 12, 1944, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 4.

2,040,507. *Matson C. Terry,* Detroit, Mich. PUMP FOR REFRIGERATION APPARATUS. Patent dated May 12, 1936. Disclaimer filed February 12, 1944, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 7, 8, 10, and 12.

2,043,517. *Harry Preston Pratt,* Chicago, Ill. RADIO APPARATUS. Patent dated June 9, 1936. Disclaimer filed February 21, 1944, by *Henry A. Allen, Howard T. Ballard, Morris S. Ballard,* and *Robert A. Swe, trustees of Pratt Radio Trust,* assignee.

Hereby enter this disclaimer to claims 6, 7, and 11 of said patent.

2,250,717. *James W. Long,* Plainfield and *George I. Roberts,* Cresskill, N. J. TELEGRAPH APPARATUS. Patent dated July 29, 1941. Disclaimer filed February 16, 1944, by the assignee, *The Western Union Telegraph Company.*

Hereby enters this disclaimer to claims 21, 22, and 23 of said patent.

2,293,179. *Ralph H. Swingle,* Pittsburgh, Pa. CIRCUIT BREAKER. Patent dated August 18, 1942. Disclaimer filed February 17, 1944, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 8, 9, and 16 of said patent.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 21, 1944

[VOL. 560. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 463,103. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed Aug. 30, 1943.

RESYNTHETICS

FOR RESINS—SPECIFICALLY, SYNTHETIC RESINS AND PROCESSED NATURAL RESINS; RESIN SOLUTIONS—SPECIFICALLY, PLASTIC RESIN SOLUTIONS.

Claims use since June 30, 1943.

Ser. No. 464,561. WERTHEIMER MCGUIN SEED CO., Ligonier, Ind. Filed Oct. 30, 1943.



Applicant is the owner of Reg. No. 130,441. Applicant disclaims the words "Wertheimer McGuin Seed Co." apart from the mark.

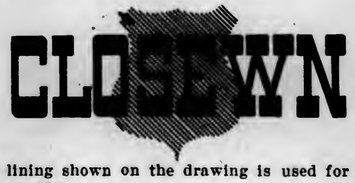
FOR FIELD SEEDS, CLOVER SEEDS, TIMOTHY SEEDS, AND ALFALFA SEEDS.

Claims use since Sept. 10, 1914.

CLASS 2

RECEPTACLES

Ser. No. 464,863. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Nov. 9, 1943.



The lining shown on the drawing is used for shading purposes only.

FOR PAPER BAGS.

Claims use since Oct. 30, 1943.

Ser. No. 466,492. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 11, 1944.



SEMINOLE

ARTS AND CRAFTS

Applicant disclaims the phrase "Arts and Crafts" except as shown.

FOR BAGS MADE OF COTTON PATCHWORK; BASKETS OF BARK, GRASS, OR WOODSPLINT; WASTEPAPER BASKETS; WOODEN BOWLS, PLATES, PLATTERS, PLANKS FOR COOKING AND TABLE USE, AND TRAYS.

Claims use since June 1, 1943.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 466,388. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.



NAVAJO

ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.

FOR HORSE BRIDLES (ORNAMENTED WITH SILVER).

Claims use since May 1, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 462,545. SYDNEY F. NESS, doing business under the name Vaness, Chicago, Ill. Filed Aug. 5, 1943.



The representation of the map is disclaimed apart from the mark. The drawing is lined for red.
FOR LIQUID SHAVE CREAM.
Claims use since Jan. 1, 1943.

Ser. No. 464,995. HILL MANUFACTURING COMPANY, Atlanta, Ga. Filed Nov. 15, 1943.

Hill's

Silver Fluff

The words "Hill's" and "Silver" are disclaimed apart from the mark.
FOR SILVER POLISH.
Claims use since July 3, 1943.

Ser. No. 465,457. ALBERT TISSIE GREEN, doing business as Green & Green, New York, N. Y. Filed Dec. 2, 1943.

BIO-SEAL

FOR SOAP CHIPS, SOAP FLAKES, SOAP POWDER, LIQUID SOAP.
Claims use since June 1, 1941.

Ser. No. 466,038. FABRIC CHEMICALS CO., Jersey City, N. J. Filed Dec. 24, 1943.

ALCONOX

FOR CLEANING AND DETERGENT COMPOUND HAVING INCIDENTAL WATER-SOFTENING PROPERTIES.
Claims use since Sept. 1, 1943.

Ser. No. 466,344. DENNIS CHEMICAL CO., St. Louis, Mo. Filed Jan. 6, 1944.

DEN-NEX

FOR COMPOUND FOR REMOVING PAINT, LACQUER, AND SIMILAR MATERIAL FROM THE HANDS.
Claims use since July 1, 1943.

CLASS 5

ADHESIVES

Ser. No. 466,187. WISCONSIN CHEMICAL PRODUCTS COMPANY, Milwaukee, Wis. Filed Dec. 29, 1943.

NEO-TEX

FOR RUBBER CEMENT COMPRISING COMPOUNDED NATURAL AND/OR SYNTHETIC RUBBERS.
Claims use since Feb. 7, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 455,671. NYAL COMPANY, Detroit, Mich. Filed Sept. 21, 1942.

Eas'em

FOR FOOT POWDER.
Claims use since Feb. 13, 1928.

Ser. No. 458,241. J. S. PRODUCTS CORP., New York, N. Y. Filed Jan. 30, 1943.

Flamitized

FOR CHEMICAL COMPOUND APPLIED TO TEXTILES, LEATHERS, FIBERS AND FIBROUS ARTICLES AS A FIRE RESISTANT.
Claims use since Jan. 11, 1943.

Ser. No. 459,539. FOREST CITY PRODUCTS, INC., Cleveland, Ohio. Filed Mar. 31, 1943.



No claim is made to the words "A Forest City Product" apart from the mark.
FOR MEDICATED CORN PADS, MEDICATED CORN PLASTER, MEDICATED DISCS FOR CORNS, MEDICATED CALLOUS PADS, MEDICATED BANDAGES, A PREPARATION FOR REMOVING CORNS AND CALLOUSES, CORN SALVE, A PREPARATION FOR TREATMENT OF ATHLETE'S FOOT, A PREPARATION FOR TREATMENT OF INGROWN NAILS, FOOT POWDER, FOOT BALM, A PREPARATION FOR USE AS AN ANTISEPTIC, A MEDICINAL PREPARATION FOR USE AS AN INHALANT IN NOSE AND THROAT AFFECTIONS, A PREPARATION FOR TREATMENT OF BURNS, CAMPHOR ICE, STYPTIC PENCIL AND VITAMIN TABLETS.
Claims use since Nov. 15, 1941.

Ser. No. 461,809. REINE, INC., New York, N. Y. Filed July 1, 1943.

Kimochka

FOR PERFUMES AND COSMETICS—NAMELY, FACE POWDERS, EYE CREAMS, NIGHT CREAMS, BEAUTY CREAMS, BEAUTY MILK, LIPSTICK, AND ROUGE.
Claims use Mar. 1, 1927.

Ser. No. 462,333. VINCENT CHRISTINA & CO. INC., New York, N. Y. Filed July 27, 1943.

ANSEXIN

FOR PREPARATION FOR TREATMENT OF FEMALE SEX HORMONE DEFICIENCIES BY INTRAMUSCULAR INJECTION.
Claims use since Jan. 28, 1943.

Ser. No. 463,001. GUY H. POLING, doing business as Poling Chemical Co., Minneapolis, Minn. Filed Aug. 25, 1943.

Theurgene

The mark comprises the term "Theurgene."
FOR LIQUID ANTISEPTIC.
Claims use since Feb. 27, 1943.

Ser. No. 463,516. WILLIAM M. GOULD, Houston, Tex. Filed Sept. 20, 1943.

RED CIRCLE



ROACH DESTROYER

The words "Roach Destroyer" are disclaimed except in their special relation to the remainder of the mark.
FOR ROACH INSECTICIDE.
Claims use since June 11, 1929.

Ser. No. 465,527. CHLORINE SOLUTIONS, INC., Los Angeles, Calif. Filed Dec. 6, 1943.

KIL-KLO

FOR LIQUID AND SOLID DEODORANTS WHICH ARE EMPLOYED FOR THE PURPOSE OF REMOVING BLEACH AND HAVE NO BLEACHING PROPERTIES OF THEIR OWN.
Claims use since June 1941.

Ser. No. 465,682. FRANK KEEVE, New York, N. Y. Filed Dec. 10, 1943.

Flourodine

The mark consists of the word "Flourodine."
FOR TOOTH POWDER.
Claims use since March 1940.

Ser. No. 465,720. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Dec. 11, 1943. Under section 5b of the act of 1905 as amended in 1920.

FLEISCHMANN

FOR NON-IRRADIATED DRIED YEAST; IRRADIATED DRIED YEAST; ERGOSTEROL, YEAST EXTRACT; A PRODUCT CONTAINING YEAST EXTRACT AND LIVER; AND A PRODUCT CONTAINING DRIED YEAST AND A DRIED VITAMINIC EXTRACT PREPARED FROM CORN; EACH OF THESE PRODUCTS BEING OF VITAMINIC OR PROVITAMINIC OR NUTRITIVE CHARACTER, AND ADAPTED FOR USE AS AN INGREDIENT OF FOODS, AND FOR THE MANUFACTURE OF TABLETS, CAPSULED PRODUCTS, OR POWDERS OF VITAMINIC OR PROVITAMINIC AND OTHER FOOD SUPPLEMENTAL CHARACTER.
Claims use since 1930.

Ser. No. 465,796. THE W. ELSWORTH CO., New Haven, Conn., assignor to William E. Pelcher, New Haven, Conn. Filed Dec. 16, 1943.

PODOL

FOR FOOT OINTMENT PARTICULARLY ADAPTED FOR TIRED, SORE, SMARTING, AND ACHING FEET, AND HAVING INCIDENTAL DEODORIZING, COOLING AND SOOTHING PROPERTIES; FOR TREATING ATHLETE'S FOOT AND FOR RELIEVING THE SORENESS IN CORNS AND BUNIONS.
Claims use since Feb. 2, 1925.

Ser. No. 465,805. D. W. HAERING & CO., INC., Chicago, Ill. Filed Dec. 16, 1943.

SODIUM CHROM GLUCOSATE

The words "Sodium Chrom" are disclaimed apart from the mark.
FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL.
Claims use since Oct. 21, 1935.

Ser. No. 465,894. COTY, INC., New York, N. Y. Filed Dec. 20, 1943.



The drawing is lined for shading only.
FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.
Claims use since May 1916.

Ser. No. 465,945. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Dec. 21, 1943.

D-61

FOR PHOTOGRAPHIC CHEMICALS—NAMELY, DEVELOPERS AND REPLENISHERS THEREFOR.
Claims use since June 5, 1936.

Ser. No. 465,956. LEONARD REICH, doing business as Stephen Lawrence Co. and Parfums Renel, Mount Vernon, N. Y. Filed Dec. 21, 1943.

Etchings

FOR PERFUMES.
Claims use since Dec. 5, 1943.

Ser. No. 466,252. CAMPANA SALES COMPANY, Batavia, Ill. Filed Jan. 1, 1944.

DEVASTATING

FOR COLOGNES AND PERFUMERY.
Claims use since Dec. 15, 1943.

Ser. No. 466,376. GALLOWHUR CHEMICAL CORPORATION, Windsor, Vt. Filed Jan. 7, 1944.

SKOR

FOR COUGH DROPS.
Claims use since Dec. 8, 1943.

Ser. No. 466,404. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Jan. 8, 1944.

SOIGNÉE

FOR PERFUMES, TOILET WATERS, AND BATH SALTS.
Claims use since Jan. 5, 1944.

Ser. No. 466,500. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Jan. 12, 1944.

MARINE RED

The word "Red" is disclaimed apart from the mark.
FOR NAIL POLISH, LIPSTICKS, AND ROUGES.
Claims use since Jan. 3, 1944.

Ser. No. 466,517. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 12, 1944.

SOVATOX

FOR INSECTICIDE.
Claims use since Sept. 9, 1943.

Ser. No. 466,539. PARFUMS BLANCHARD, New York, N. Y. Filed Jan. 13, 1944.

Jealousy

FOR PERFUMES, TOILET WATERS, BATH POWDERS AND LOTIONS.
Claims use since Nov. 20, 1943.

Ser. No. 466,598. VEJIN, INC., Cincinnati, Ohio. Filed Jan. 14, 1944.

LANOLIKE

FOR LANOLIN SUBSTITUTE COMPOSED OF VEGETABLE GLYCERIDES, NON-VOLATILE PETROLEUM FRACTIONS AND PHOSPHATIDES.
Claims use since Jan. 3, 1944.

Ser. No. 466,625. THE SPEARE SUPPLY COMPANY, Chicago, Ill. Filed Jan. 15, 1944.

NEO-TONE

FOR LAUNDRY SOUR.
Claims use since Mar. 12, 1942.

Ser. No. 466,628. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y. Filed Jan. 15, 1944.

PROPHENAMIN

FOR ANTI-SPASMODIC PREPARATION FOR ORAL AND PARENTERAL USE.
Claims use since Dec. 15, 1943.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 463,369. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Filed Sept. 13, 1943.



The picture of the bust is that of George Washington. All wording except "First" and "Own" are disclaimed apart from the mark.
FOR MATCHES.
Claims use since January 1934.

Ser. No. 463,370. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Filed Sept. 13, 1943.



All wording except "Own" is disclaimed apart from the mark.
FOR MATCHES.
Claims use since January 1934.

Ser. No. 463,372. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Filed Sept. 13, 1943.



All wording except "Constitution" and "Own" is disclaimed apart from the mark.
FOR MATCHES.
Claims use since January 1934.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 463,297. RICHARD H. GRANT, San Francisco, Calif. Filed Sept. 9, 1943.



All words except "Plastite" are disclaimed apart from the mark.
FOR FIRE-PROOF ASBESTOS-CEMENT.
Claims use since February 1943.

Ser. No. 465,021. FEDERAL WATERPROOFING COMPANY, Indianapolis, Ind. Filed Nov. 16, 1943.

FEDERACURE

FOR MEMBRANE FORMING, CONCRETE CURING LIQUID.
Claims use since Nov. 1, 1943.

Ser. No. 466,180. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Dec. 29, 1943.

DURABILT

FOR CAULKING AND POINTING COMPOUNDS AND ROOFING AND DAMPPROOFING COMPOUNDS.
Claims use upon caulking and pointing compounds since Mar. 30, 1942; and upon roofing and dampproofing compounds since Sept. 30, 1943.

Ser. No. 466,215. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 31, 1943.

Partemp

FOR THERMAL INSULATION MATERIAL.
Claims use since Nov. 22, 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 465,970. THE AMERICAN PLATINUM WORKS, Newark, N. J. Filed Dec. 22, 1943.

APW

FOR SILVER BRAZING ALLOYS AND SEMI-FABRICATED ARTICLES OF PRECIOUS METALS AND THEIR ALLOYS—NAMELY, PLATES, DISCS, SHEETS, STRIPS, RODS, TUBES, WIRES, CIRCLES, AND PLATER BARS OF SILVER, GOLD, PLATINUM, AND THEIR ALLOYS.
Claims use since January 1906.

Ser. No. 466,560. VANADIUM-ALLOYS STEEL COMPANY, Latrobe, Pa. Filed Jan. 13, 1944.

MOSIL

FOR PUNCH AND CHISEL STEEL.
Claims use since Nov. 1, 1943.

CLASS 15

OILS AND GREASES

Ser. No. 464,670. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Nov. 3, 1943.

VEGICOID

FOR CUTTING OIL.
Claims use since March 1940.

Ser. No. 464,671. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Nov. 3, 1943.

VEGICUT

FOR CUTTING OIL.
Claims use since April 1943.

Ser. No. 464,672. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Nov. 3, 1943.

VEGISOL

FOR CUTTING OIL.
Claims use since April 1943.

Ser. No. 464,673. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Nov. 3, 1943.

VEGISULPH

FOR CUTTING OIL.
Claims use since April 1943.

Ser. No. 466,490. SERVEL, INC., Evansville, Ind., and New York, N. Y. Filed Jan. 11, 1944.

SERVEL

FOR LUBRICATING OILS.
Claims use since March 1937.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 463,228. COLONIAL PROCESS SUPPLY CO., New York, N. Y. Filed Sept. 4, 1943.

MULTIMARK

FOR PAINTS IN PASTE FORM, VARNISHES, AND LACQUERS.
Claims use since July 1, 1943.

Ser. No. 466,749. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 20, 1944.

SOVAPAQUE

FOR READY-MIXED PAINTS AND PAINT PASTES.
Claims use since Dec. 30, 1943.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 465,157. GEORGE E. TARDIFF, Woodridge, N. J. Filed Nov. 19, 1943.

Pic-a-back

FOR ROW BOATS, SAIL BOATS, AND OUTBOARD MOTOR BOATS.
Claims use since June 3, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 461,704. ZENITH RADIO CORPORATION, Chicago, Ill. Filed June 26, 1943.

MICROTUBES

No claim is made to the fanciful representation of a thermionic tube apart from the mark.
FOR ELECTRON TUBES.
Claims use since Dec. 23, 1940.

Ser. No. 462,088. SAMUEL M. BERNSTEIN, doing business as Berns Specialty Manufacturing Company, Chicago, Ill. Filed July 15, 1943.

BERNS AIR KING

No claim is made to the word "Berns" apart from the mark as shown.
FOR ELECTRIC FANS.
Claims use since January 1940.

Ser. No. 465,842. EXCELLO ACCESSORIES MANUFACTURERS, INC., Hempstead, N. Y. Filed Dec. 17, 1943.

EXELLO

FOR FUSES FOR USE IN ELECTRICAL CIRCUITS IN AUTOMOBILES AND AIRPLANES.
Claims use since June 1935.

Ser. No. 466,551. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Jan. 13, 1944.

FOR ELECTRICAL INSULATING MATERIALS IN THE FORM OF FILMS, SOLUTIONS, SUSPENSIONS OR POWDER.
Claims use since May 21, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 464,618. HANSON ROBINSON, Haverford, Pa. Filed Nov. 2, 1943.

1-2-60

FOR CARD GAME.
Claims use since Oct. 9, 1943.

Ser. No. 465,008. PRACTICAL SUPPLY CO., INC., Chicago, Ill. Filed Nov. 15, 1943.

ROLLER DERBY

FOR GAME CONSISTING OF A CARDBOARD OR PAPER BASE HAVING PRINTED MATTER THEREON, INCLUDING SPACES FOR DIFFERENT POSITIONS ON WHICH THE PLAYERS' MARKERS ARE ADVANCED STEP BY STEP IN ACCORDANCE WITH DESIGNATED RULES.
Claims use since Apr. 26, 1943.

Ser. No. 465,308. B-T COMPANY, Milwaukee, Wis. Filed Nov. 26, 1943.

MERRY TOY

The word "Toy" is disclaimed apart from the mark.
FOR WHEELED WOODEN ANIMALS AND SIMILAR SMALL SIZED WOODEN PULL TOYS FOR SMALL CHILDREN.
Claims use since Nov. 3, 1943.

Ser. No. 465,764. JAMES R. O'NEIL, doing business as J. R. O'Neil, San Francisco, Calif. Filed Dec. 14, 1943.

Jingo

FOR NUMBERED DISK TOSSING GAME.
Claims use since May 1, 1939.

Ser. No. 466,329. ELVY KALEP, New York, N. Y. Filed Jan. 5, 1944.



The word "Parachute" and the representation of the combined toy para-trooper and parachute are disclaimed apart from the mark.
FOR TOY CONSISTING OF A MINIATURE PARA-TROOPER WITH A PARACHUTE ATTACHED.
Claims use since Jan. 15, 1943.

Ser. No. 466,494. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 11, 1944.



SEMINOLE
ARTS AND CRAFTS

Applicant disclaims the right to the phrase "Arts and Crafts" except as shown.
FOR DOLLS AND CHILDREN'S TOY CANOES.
Claims use since June 1, 1943.

Ser. No. 466,652. DAVID KRECHMAN, doing business as Jackson Industries, Chicago, Ill. Filed Jan. 17, 1944.

"PISTOL PACKIN' PAPA"

The word "Pistol" is disclaimed apart from the mark.
FOR TOY PISTOLS.
Claims use since Jan. 5, 1944.

Ser. No. 466,674. DAVID KRECHMAN, doing business as Jackson Industries, Chicago, Ill. Filed Jan. 18, 1944.

"PISTOL PACKIN' MAMA"

Applicant disclaims the word "Pistol" apart from the mark.
FOR TOY PISTOLS.
Claims use since Dec. 23, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 464,695. GENENDER SALES & SUPPLIES, Chicago, Ill. Filed Nov. 4, 1943.

HAR-LEN

FOR POCKET KNIVES AND RAZOR BLADES.
Claims use since Jan. 1, 1942.

Ser. No. 465,577. ROBINS CONVEYORS INCORPORATED, Passaic, N. J. Filed Dec. 6, 1943.

HYDREX

FOR VIBRATING SCREEN SEPARATING MACHINES FOR GRANULAR MATERIAL MIXED WITH A LIQUID.
Claims use since Nov. 9, 1943.

Ser. No. 465,813. LOMA MACHINE MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 16, 1943.

LOMA

The representation of the circular saw is disclaimed apart from the mark as shown.
FOR MACHINES—NAMELY, SAWS, SHEARS, MOLDS FOR CASTING METALS, METAL BILLETS, AND METAL SLABS; MACHINES FOR STRETCHING AND STRAIGHTENING EXTRUDED AND ROLLED METALS, POINTING MACHINES FOR COLD OR HOT POINTING METALS; ROLL AND DRUM COILERS FOR METAL STRIPS, RODS, AND WIRE.
Claims use since August 1941.

CLASS 28

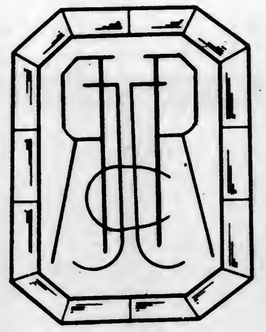
JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 457,295. GRANAT BROS., INC., San Francisco, Calif. Filed Dec. 9, 1942.

Matchmates

FOR ENGAGEMENT, WEDDING, AND OTHER RINGS.
Claims use since Nov. 24, 1942.

Ser. No. 464,623. JOHN RUBEL, doing business as John Rubel Co., New York, N. Y. Filed Nov. 2, 1943.



FOR BROOCHES, BRACELETS, NECKLACES, LAVALIERES, PENDANTS, AND BUCKLES FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES, MADE OF PRECIOUS AND SEMI-PRECIOUS METAL.
Claims use since August 1943.

Ser. No. 465,837. SOL E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y. Filed Dec. 16, 1943.

SYMBOL OF BEAUTY

The word "Beauty" is disclaimed apart from the mark.
FOR PEARL NECKLACES, PEARLS, AND JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES.
Claims use since August 1943.

Ser. No. 466,391. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 6, 1944.



NAVAJO
ARTS & CRAFTS GUILD

Applicant disclaims the phrase "Arts & Crafts Guild" except as shown.
FOR BELLS, BOXES, BRACELETS, CUFF LINKS, CUPS, EARRINGS, TABLE FLATWARE, LAVALIERE PENDANTS, MUGS, NECKLACES, PINS, RINGS, SALT HOLDERS, AND TRAYS, ALL MADE OF SILVER, OR OF SILVER COMBINED WITH TURQUOISE OR PETRIFIED-WOOD SETTINGS.
Claims use since May 1, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 466,577. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Jan. 14, 1944.



FOR MILK COOLERS, CONDENSING UNITS, WATER COOLERS, BEVERAGE COOLERS, REACH-IN COOLERS, WALK-IN COOLERS, BOTTLE COOLERS, CHEST-TYPE FREEZERS, REFRIGERATORS, REFRIGERATOR UNITS, AND PARTS THEREOF.
Claims use since Aug. 1, 1935.

Ser. No. 466,578. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Jan. 14, 1944.



FOR MILK COOLERS, CONDENSING UNITS, WATER COOLERS, BEVERAGE COOLERS, REACH-IN COOLERS, WALK-IN COOLERS, BOTTLE COOLERS, CHEST-TYPE FREEZERS, REFRIGERATORS, REFRIGERATOR UNITS, AND PARTS THEREOF.
Claims use since June 1, 1940.

Ser. No. 466,579. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Jan. 14, 1944.

INTERNATIONAL

FOR MILK COOLERS, CONDENSING UNITS, WATER COOLERS, BEVERAGE COOLERS, REACH-IN COOLERS, WALK-IN COOLERS, BOTTLE COOLERS, CHEST-TYPE FREEZERS, REFRIGERATORS, REFRIGERATOR UNITS, AND PARTS THEREOF.
Claims use since Aug. 1, 1935.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 465,467. SLEEPMASTER PRODUCTS COMPANY, INC., Newark, N. J. Filed Dec. 2, 1943.

SLEEPMASTER

FOR MATTRESSES, BED SPRINGS, BOX SPRINGS, SPRINGS USED IN THE MANUFACTURE OF UPHOLSTERED FURNITURE, PILLOWS, STUDIO COUCHES, SOFA BEDS, METAL BEDS, WOODEN BEDS, CUSHIONS FOR SEATS, BACKS, AND ARMS OF FURNITURE, FOLDING COTS, GLIDING COUCH HAMMOCKS, SPONGE RUBBER AND SYNTHETIC RUBBER PRODUCTS USED AS FILLERS FOR THE FINISHED PRODUCTS AFORESAID.
Claims use since Jan. 6, 1934.

Ser. No. 465,833. STEINWAY & SONS, New York, N. Y. Filed Dec. 16, 1943.

"RAYTRONIC"

FOR RESIN BONDED WOOD FURNITURE—NAMELY, FILING CABINETS, BUREAUS, CHIFFONIERS AND SIDEBOARDS, AND RESIN BONDED SHOW CASES.
Claims use since July 14, 1943.

Ser. No. 465,980. CROWE NAME PLATE & MANUFACTURING CO., Chicago, Ill. Filed Dec. 22, 1943.

CRO-RINC

FOR DECORATED BASE METAL RADIO CABINETS.
Claims use since July 1943.

Ser. No. 467,139. SOUTHERN SPRING BED COMPANY, Atlanta, Ga. Filed Feb. 3, 1944.

SLEEP-NEST

FOR BEDS, BED SPRINGS, MATTRESSES, SOFA BEDS, AND STUDIO COUCHES.
Claims use since Jan. 18, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 466,200. KNOX STOVE WORKS, Knoxville, Tenn. Filed Dec. 30, 1943.

Twin-Temp

FOR COAL AND WOOD BURNING HEATING STOVES.
Claims use since Feb. 1, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 465,201. THE GATES RUBBER COMPANY, Denver, Colo. Filed Nov. 22, 1943.

T

FOR POWER TRANSMISSION BELTS.
Claims use since Mar. 16, 1942.

Ser. No. 465,957. RICHMOND RUBBER CO. INC., Richmond, Va. Filed Dec. 21, 1943.

The MONITOR De Luxe

FOR TIRES OF RUBBER, FABRIC, SYNTHETIC RUBBER, AND COMBINATIONS THEREOF.
Claims use since Oct. 8, 1943.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 466,613. HARMONIC REED CORPORATION, Philadelphia, Pa. Filed Jan. 15, 1944.

UNITONE ★★★ ALL AMERICAN SERIES ★★★

No claim is made to the words "All American Series" or the representation of the harmonica.
FOR HARMONICAS.
Claims use since Dec. 13, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 453,099. WARREN W. DUNNELL, doing business as Sani-Gard Cover Company, Los Angeles, Calif. Filed May 19, 1942.

SAFE-O-WAY

Applicant disclaims the representation and outline of a seat cover apart from the mark.
FOR TOILET SEAT COVERS.
Claims use since Oct. 28, 1933.

Ser. No. 463,089. GEO. D. BARNARD STATIONERY COMPANY, St. Louis, Mo. Filed Aug. 30, 1943.

"LETTER-OPES"

No claim is made to the word "Letter" apart from the mark.
FOR COMBINATION LETTERHEADS AND ENVELOPES.
Claims use since July 9, 1943.

Ser. No. 465,792. BAY WEST PAPER COMPANY, Green Bay, Wis. Filed Dec. 16, 1943.

Towl-aids

The word "Towl" is disclaimed apart from the mark.
FOR PAPER TOWELS.
Claims use since Sept. 11, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 454,818. YOUR HEALTH PUBLICATIONS, INC., New York, N. Y. Filed Aug. 8, 1942.

EAT AND GET SLIM

FOR MAGAZINE PUBLISHED FROM TIME TO TIME.
Claims use since Oct. 24, 1941.

Ser. No. 461,938. ARTHUR J. THOMA, Springfield, Mass. Filed July 8, 1943.

TRUCK LAND

Applicant disclaims "Truck" apart from the mark.
FOR PERIODICAL PUBLISHED FROM TIME TO TIME.
Claims use since May 1, 1943.

Ser. No. 465,377. WEEKLY PUBLICATIONS, INC., New York, N. Y. Filed Nov. 29, 1943.

NEWSWEEK'S MAP-OF-THE-MONTH

Applicant disclaims the notation "Map-of-the-Month" separately from the mark.
FOR MAPS.
Claims use since Nov. 11, 1943.

Ser. No. 465,901. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

DEPARTMENT OF DELICACY

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Jan. 16, 1937.

Ser. No. 465,905. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

SILVER LINING DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Jan. 7, 1933.

Ser. No. 465,906. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

UH HUH DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Nov. 12, 1927.

Ser. No. 465,907. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

RAISED EYEBROWS DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Oct. 18, 1930.

Ser. No. 465,908. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

PSHAW DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Mar. 19, 1927.

Ser. No. 465,910. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

HO HUM DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Dec. 3, 1927.

Ser. No. 465,911. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

SLIGHT HEADACHE DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Sept. 16, 1933.

Ser. No. 465,913. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 20, 1943.

THAT'S TOO BAD DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Jan. 3, 1931.

Ser. No. 466,100. THE PARKER APPLIANCE COMPANY, Cleveland, Ohio. Filed Dec. 27, 1943.

FLUID POWER

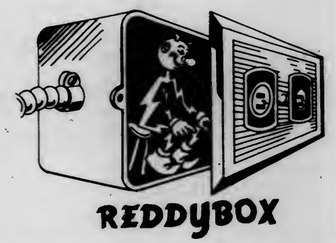
FOR PRINTED PUBLICATION IN THE NATURE OF A HOUSE ORGAN AND ISSUED FROM TIME TO TIME.
Claims use since Oct. 8, 1943.

Ser. No. 466,430. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Filed Jan. 10, 1944.

REDDYBOX

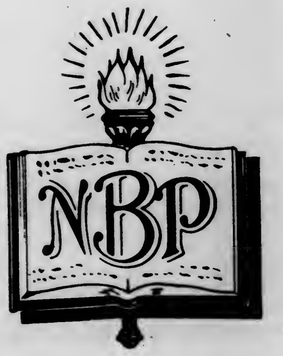
FOR CIRCULARS, BOOKLETS, AND PRINTED ADVERTISING MATERIAL SOLD AS SUCH TO THE ELECTRICAL INDUSTRY.
Claims use since Dec. 23, 1943.

Ser. No. 466,431. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Filed Jan. 10, 1944.



FOR CIRCULARS, BOOKLETS, AND PRINTED ADVERTISING MATERIAL SOLD AS SUCH TO THE ELECTRICAL INDUSTRY.
Claims use since Dec. 23, 1943.

Ser. No. 466,455. NATIONAL PUBLISHING COMPANY, Philadelphia, Pa. Filed Jan. 10, 1944.



FOR BIBLES, TESTAMENTS, PRAYER AND SIMILAR BOOKS.
Claims use since Sept. 17, 1943.

CLASS 39

CLOTHING

Ser. No. 459,792. SAMUEL F. NEWMARK, doing business as Goldmark Hosiery Co., New York, N. Y. Filed Apr. 10, 1943.

GOLDMARK FOOTMATES

No claim is made to the term "Footmates" apart from the mark.
FOR HOSIERY.
Claims use since Mar. 1, 1943.

Ser. No. 459,936. KRUMHOLZ & LICHTBLAU, doing business as Kelray Knitting Mills, New York, N. Y. Filed Apr. 16, 1943.

KELSLIP

FOR KNITTED AND WOVEN LADIES', MISSES', AND CHILDREN'S PANTIES, STEP-INS—I. E., UNDERDRAWERS, BANDEAUS, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS.
Claims use since Feb. 15, 1943.

Ser. No. 460,739. KRUMHOLZ & LICHTBLAU, doing business as Kelray Knitting Mills, New York, N. Y. Filed May 19, 1943.

KOOLRAY

No claim is made to the word "Kool" apart from the mark.
FOR LADIES', MISSES', AND CHILDREN'S PANTIES, STEP-INS, BANDEAUS, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS.
Claims use since Mar. 15, 1943.

Ser. No. 464,799. SHERMAN BROS. MANUFACTURING CO. INC., South Norwalk, Conn. Filed Nov. 6, 1943.

TOE-TOASTERS

The word "Toe" is disclaimed except as shown.
FOR LADIES' AND MISSES' SHOES AND SLIPPERS MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS, OR COMBINATIONS THEREOF.
Claims use since January 1943.

Ser. No. 465,934. JACOB WECHSLER & SONS, New York, N. Y. Filed Dec. 20, 1943.

BEACON Buckingham

No claim is made to the word "Buckingham" apart from the mark.
FOR SUSPENDERS, BELTS IN THE NATURE OF GARMENT SUPPORTERS, MEN'S NECKTIES AND GARTERS.
Claims use since Oct. 29, 1943.

Ser. No. 466,205. ALEX OLIVER, doing business as U. S. Knitwear Company, Baltimore, Md. Filed Dec. 30, 1943.

Princess Oliver

The word "Oliver" is disclaimed except as shown.
FOR SPORTS APPAREL FOR WOMEN AND GIRLS—NAMELY, SWEATERS, JACKETS, BATHING SUITS, HATS AND CAPS, SKIRTS AND SCARFS.
Claims use since Dec. 11, 1943.

Ser. No. 466,211. CARLA SHOE COMPANY, Boston, Mass. Filed Dec. 31, 1943.

Flaterers BY CARLA

The words "By Carla" are disclaimed apart from the mark.
FOR SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS OF THE SAME.
Claims use since Oct. 27, 1943.

Ser. No. 466,217. W. T. GRANT COMPANY, New York, N. Y. Filed Dec. 31, 1943.



Applicant disclaims the name "W. T. Grant Co." except as shown.
FOR SHIRTS MADE OF FLANNEL OR FLANNELETTE FOR MEN.
Claims use since May 8, 1942.

Ser. No. 466,360. NAZARETH WAIST CO., Nazareth, Pa. Filed Jan. 6, 1944. Under 10-year proviso.

Nazareth

FOR INFANTS' AND CHILDREN'S WAIST SUITS, SHIRTS, PANTIES, PAJAMAS, AND UNION SUITS.
Claims use since 1886.

Ser. No. 466,704. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Jan. 19, 1944.

MANSWIM

FOR BATHING TRUNKS AND BATHING SUITS.
Claims use since 1933.

Ser. No. 466,762. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Jan. 21, 1944.

MANDOME

FOR MEN'S OUTER SHIRTS.
Claims use since spring of 1936.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 459,651. BOTANY WORSTED MILLS, Passaic, N. J. Filed Apr. 6, 1943.

Doelene

FOR WOOLEN PIECE GOODS.
Claims use since Sept. 27, 1940.

Ser. No. 463,358. ROYAL CURTAIN MANUFACTURING CO., Hyde Park, Mass. Filed Sept. 11, 1943.

COTTON TEX

Applicant disclaims the word "Cotton" apart from the mark.
FOR CURTAINS MADE OF COTTON.
Claims use since Apr. 1, 1943.

Ser. No. 463,672. HAYTHORNTHWAITE & SONS LIMITED, Burnley, England. Filed Sept. 27, 1943.



The center panel of the mark contains a likeness of Dr. Wilfred Thomason Grenfell, the deceased English missionary physician, famous for his medical missionary work in Labrador. No claim is made to the expressions "Cloth," "Made in England," or "of Labrador" except as shown.
FOR PIECE GOODS WHOLLY OR MAINLY OF COTTON.
Claims use since Sept. 10, 1942.

Ser. No. 465,832. WESLEY SIMPSON INC., New York, N. Y. Filed Dec. 16, 1943.

THE DOORWAY TO FASHION



Applicant disclaims the wording "Fashion," "Wesley Simpson," and "Custom Fabric."

FOR RAYON, COTTON, WOOL, WORSTED, AND SILK PIECE GOODS.

Claims use since March 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 452,506. M. LARSON COMPANY, Chicago, Ill. Filed Apr. 22, 1942.

PLASTO-MOLD

No claim is made to the word "Mold" apart from the mark.

FOR DENTAL INLAYS, DENTAL JACKET CROWNS, DENTAL BRIDGEWORK, DENTAL PONTICS, DENTAL RESTORATIONS, DENTAL ONLAYS, DENTURE TEETH, DENTAL INTERCHANGEABLE FACINGS, DENTAL TUBE TEETH, DENTAL TWIN-TOOTH PONTICS, DENTAL VENEERS, ARTIFICIAL TEETH, DENTAL ACRYLIC CROWNS, DENTAL ACRYLIC BRIDGES, DENTAL ACRYLIC INLAYS, DENTAL ACRYLIC TEETH, DENTAL FLASKS, AND COATING LIQUID FOR DENTAL MOLDS.

Claims use since Jan. 1, 1941.

Ser. No. 465,972. THE AMERICAN PLATINUM WORKS, Newark, N. J. Filed Dec. 22, 1943.



FOR DENTAL GOLDS AND ALLOYS AND HYPODERMIC NEEDLES.

Claims use since January 1906.

Ser. No. 466,520. ABBETT & MACKE, Covington, Ky. Filed Jan. 13, 1944.

A - M

FOR NEW AND RECONDITIONED SURGICAL BLADES.

Claims use since August 1937.

Ser. No. 467,058. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Jan. 31, 1944.

VENUS

FOR ELECTRICAL HEARING AIDS AND PARTS THEREOF.

Claims use since Nov. 19, 1943.

Ser. No. 467,060. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Jan. 31, 1944.

ORCHESTRON

FOR ELECTRICAL HEARING AIDS AND PARTS THEREOF.

Claims use since Nov. 24, 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 449,921. DAVID ROBERTS, Waukesha, Wis. Filed Dec. 31, 1941.

STREBOR

FOR GOAT'S MILK.

Claims use since May 14, 1941.

Ser. No. 461,849. GRISCOM & COMPANY, INCORPORATED, New York, N. Y. Filed July 3, 1943.



The word "Feeds" is disclaimed apart from the mark.

FOR ANIMAL AND POULTRY FEEDS FOR LIVESTOCK, DAIRY COWS, AND POULTRY OF ALL KINDS.

Claims use since Apr. 29, 1943.

Ser. No. 462,009. HAROLD E. FOSTER, doing business as California Turkey Industries, Artesia, Calif. Filed July 12, 1943.

Cal-semated

FOR EGGS FOR USE BY HATCHERIES.

Claims use since May 24, 1943.

Ser. No. 464,967. GEORGE P. GUNDLACH, Norwood, Cincinnati, Ohio. Filed Nov. 13, 1943. Under the act of February 20, 1905, as amended June 10, 1938.

CINCROSE

FOR PROCESSED PRODUCT MADE FROM WHEAT FLOUR, CONTAINING DEXTRIN, MALTOSE, DEXTROSE, LEVULOSE, PROTEINS AND SALT, SO PROCESSED THAT SAME MAY BE ADAPTED AS AN ADDED INGREDIENT TO ICE CREAM AND OTHER FROZEN PRODUCTS, SUCH AS SHERBETS AND ICES TO SUPPLEMENT THE SOLIDS THEREIN.

Claims use since Apr. 1, 1943.

Ser. No. 465,620. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed Dec. 8, 1943.

BUT-RY

FOR FOOD FLAVORING EXTRACT.

Claims use since Dec. 4, 1943.

Ser. No. 466,368. SUPERIOR OLIVE PRODUCTS CO., Visalia, Calif. Filed Jan. 6, 1944.



No claim is made to the words "Visalia" or "California" or to the representation of the map apart from the mark.

FOR OLIVE PRODUCTS—NAMELY, OLIVES IN TIN AND GLASS.

Claims use since 1939.

Ser. No. 466,369. SUPERIOR OLIVE PRODUCTS CO., Visalia, Calif. Filed Jan. 6, 1944.



No claim is made to the words "Visalia" or "California" or the representation of the map apart from the mark.

FOR OLIVE PRODUCTS—NAMELY, OLIVES IN TIN AND GLASS.

Claims use since 1937.

Ser. No. 466,381. ALFRED W. MCCONN, doing business as Al's Potato Company, Moorhead, Minn. Filed Jan. 7, 1944.



The applicant herein is the owner of trade-mark registration 405,416, registered Feb. 1, 1944. Applicant disclaims the words "Dawgone Good" apart from the mark.

FOR POTATOES IN THEIR NATURAL STATE.

Claims use since August 1943.

Ser. No. 466,618. DAVID MICHAEL & CO., Philadelphia, Pa. Filed Jan. 15, 1944.

Twixt

FOR FOOD FLAVORING EXTRACTS.

Claims use since June 1940.

Ser. No. 466,644. FLAKO PRODUCTS CORPORATION, Milltown, N. J. Filed Jan. 17, 1944.

TOPOVA

FOR PREPARED MIX FOR MAKING POPOVERS.

Claims use since Dec. 23, 1943.

Ser. No. 466,648. GOLDEN WEST PRODUCTS COMPANY, Los Angeles, Calif. Filed Jan. 17, 1944.

3 IN 1

FOR MARMALADE.
Claims use since May 15, 1943.

Ser. No. 466,705. PETER PAUL, INC., Naugatuck, Conn. Filed Jan. 19, 1944.

Choclettos

FOR CANDY.
Claims use since Dec. 15, 1943.

Ser. No. 466,764. F. P. MCLAUGHLIN, Yuba City, Calif. Filed Jan. 21, 1944.



FOR FRESH DECIDUOUS FRUITS.
Claims use since Nov. 30, 1943.

Ser. No. 466,770. RUIZ BROS., Guadalupe, Calif. Filed Jan. 21, 1944.



The picture is fanciful.
FOR FRESH VEGETABLES.
Claims use since Jan. 7, 1944.

Ser. No. 467,032. SAMUEL M. GERTZ, doing business as Gertz Distributing Company, Chicago, Ill. Filed Jan. 31, 1944.

JUDMAR'S

FOR CANDY.
Claims use since Feb. 15, 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 466,067. ASCHE-BANDOR CORPORATION, New York, N. Y. Filed Dec. 27, 1943.

BANDOR

FOR WHISKEY.
Claims use since Nov. 17, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 21, 1944

406,246. FRESH CITRUS FRUITS. ALAMO FRUIT & VEGETABLE EXCHANGE, INC., Alamo, Tex., assignor to Alamo Fruit and Vegetable Company, a partnership.
Filed February 2, 1940. Serial No. 428,183. PUBLISHED DECEMBER 21, 1943. Class 46.

406,247. THERMOSTATS FOR AUTOMATIC FIRE ALARM SIGNALLING SYSTEMS. CENTRAL STATION SIGNALS, INC., New York, N. Y.
Filed May 17, 1941. Serial No. 443,652. PUBLISHED OCTOBER 28, 1941. Class 26.

406,248. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR—NAMELY, NOSEPIECES, TEMPLES, MADE OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS. ALEXANDER KONO, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y.
Filed April 22, 1942. Serial No. 452,505. PUBLISHED JANUARY 11, 1944. Class 26.

406,249. WRITING AND MARKING FLUIDS AND THINNERS AND SOLVENTS THEREFOR AND FELT NIB MARKING IMPLEMENTS USED TO APPLY SUCH FLUIDS, PACKAGED IN SETS. FLOQUIL PRODUCTS, INC., New York, N. Y.
Filed May 6, 1942. Serial No. 452,825. PUBLISHED JANUARY 11, 1944. Class 11.

406,250. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR, INCLUDING NOSEPIECES, TEMPLES AND THE LIKE, OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS. ALEXANDER KONO, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y.
Filed October 24, 1942. Serial No. 456,400. PUBLISHED JANUARY 11, 1944. Class 26.

406,251. AIRCRAFT AUTOMATIC PILOT HORIZON AND DIRECTIONAL GYRO CONTROL DEVICE. JACK & HEINTZ, INC., Bedford, Ohio.
Filed November 2, 1942. Serial No. 456,601. PUBLISHED FEBRUARY 16, 1943. Class 26.

406,252. SAFETY RAZORS. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed November 12, 1942. Serial No. 456,770. PUBLISHED MARCH 16, 1943. Class 23.

406,253. SAFETY RAZORS. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed November 12, 1942. Serial No. 456,771. PUBLISHED MARCH 16, 1943. Class 23.

406,254. AIR AND VACUUM POWER BRAKE EQUIPMENT FOR MOTOR VEHICLES, AND KITS OR PACKAGES CONTAINING PARTS FOR THE REPAIR OF SUCH EQUIPMENT. THE MIDLAND STEEL PRODUCTS COMPANY, Cleveland, Ohio.
Filed December 23, 1942. Serial No. 457,595. PUBLISHED JANUARY 11, 1944. Class 19.

406,255. MICA. F. F. CHRESTIEN & CO. LTD., Bombay, India, and London, England.
Filed January 22, 1943. Serial No. 458,089. PUBLISHED JANUARY 11, 1944. Class 1.

406,256. MICA. F. F. CHRESTIEN & CO. LTD., Bombay, India, and London, England.
Filed January 22, 1943. Serial No. 458,090. PUBLISHED JANUARY 11, 1944. Class 1.

406,257. PASTELIKE PREPARATION FOR SHAVING, WITH INCIDENTAL SKIN-HEALING PROPERTIES. THE BARBASOL COMPANY, Indianapolis, Ind.
Filed April 22, 1943. Serial No. 460,083. PUBLISHED JANUARY 11, 1944. Class 4.

406,258. LIGHT WEIGHT AGGREGATE. MCCLOSKEY & Co., Philadelphia, Pa.
Filed May 10, 1943. Serial No. 460,530. PUBLISHED JANUARY 11, 1944. Class 12.

406,259. TOOTHPICKS. REID, MURDOCH & Co., Chicago, Ill.
Filed May 10, 1943. Serial No. 460,536. PUBLISHED JANUARY 11, 1944. Class 44.

406,260. LACQUERS, VARNISH, READY-MIXED PAINT AND PAINT ENAMELS. PERFECT POWER CORPORATION, Chicago, Ill.
Filed May 31, 1943. Serial No. 461,054. PUBLISHED JANUARY 4, 1944. Class 16.

406,261. COMBINED CARD GAME AND QUIZ GAME. FRANK JOHNSON, New York, N. Y.
Filed June 22, 1943. Serial No. 461,592. PUBLISHED JANUARY 11, 1944. Class 22.

406,262. COMBINED CARD GAME AND QUIZ GAME. FRANK JOHNSON, New York, N. Y.
Filed June 22, 1943. Serial No. 461,593. PUBLISHED JANUARY 11, 1944. Class 22.

406,263. MOSQUITO AND CHIGGER REPELLENT CREAM. B. & B. TOILETRIES, Chicago, Ill.
Filed July 21, 1943. Serial No. 462,196. PUBLISHED JANUARY 4, 1944. Class 6.

406,264. ROOF PAINTS AND PAINT PIGMENTS, GILSONITE GLOSS ENAMEL, A COMPOSITION FOR CLEANING PAINT BRUSHES, AND PAINTER'S WALL SIZE. UNITED GILSONITE LABORATORIES, Scranton, Pa.
Filed July 22, 1943. Serial No. 462,240. PUBLISHED JANUARY 4, 1944. Class 16.

406,265. LIGHT-SENSITIVE PHOTOGRAPHIC PAPER. DEFENDER PHOTO SUPPLY CO., INC., Rochester, N. Y.
Filed July 26, 1943. Serial No. 462,307. PUBLISHED JANUARY 11, 1944. Class 26.

406,266. CONVEYERS AND ELEVATORS FOR TRANSPORTING IN CLOSED CONDUITS GRANULAR OR POWDERY MATERIAL AS A CONTINUOUS MASS. CHAIN BELT COMPANY, Milwaukee, Wis.
Filed August 11, 1943. Serial No. 462,656. PUBLISHED JANUARY 11, 1944. Class 23.

406,267. CLEANER FOR METALS AND MACHINERY AND ALSO FOR CLEANING THE HANDS. VLADIMIR M. PETCOFF, Detroit, Mich.
Filed August 12, 1943. Serial No. 462,688. PUBLISHED JANUARY 11, 1944. Class 4.

406,268. INDUSTRIAL TRACTORS AND PARTS THEREOF. FORD MOTOR COMPANY, Dearborn, Mich.
Filed August 13, 1943. Serial No. 462,706. PUBLISHED JANUARY 11, 1944. Class 23.

406,269. INDUSTRIAL TRACTORS AND PARTS THEREOF. FORD MOTOR COMPANY, Dearborn, Mich.
Filed August 13, 1943. Serial No. 462,707. PUBLISHED JANUARY 11, 1944. Class 23.

406,270. ROTARY TYPE VISIBLE FILING CASES AND CABINET AND WHEEL RACK PARTS THEREOF; AND CARD INDEX, RECORD AND BUSINESS FILING CABINETS. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed August 18, 1943. Serial No. 462,813. PUBLISHED JANUARY 11, 1944. Class 32.

406,271. DRY CLEANER. PENN-CHAMP OIL CORPORATION, Butler, Pa.
Filed August 20, 1943. Serial No. 462,886. PUBLISHED JANUARY 11, 1944. Class 4.

406,272. CLEANSER FOR COPPER, BRONZE, AND BRASS. A. GUSMER, INC., Hoboken, N. J.
Filed September 10, 1943. Serial No. 463,318. PUBLISHED JANUARY 11, 1944. Class 4.

406,273. FACIAL OIL, AND SHAVING AID AND SKIN SMOOTHER FOR USE EITHER BEFORE OR AFTER SHAVING AND FOR PROTECTION OF THE SKIN AGAINST SUN AND WIND. GRELVA, INC., New York, N. Y.
Filed September 17, 1943. Serial No. 463,458. PUBLISHED JANUARY 11, 1944. Class 6.

406,274. PREPARATIONS TO BE USED IN THE TREATMENT OF POISON IVY DERMATITIS. DALARE ASSOCIATES, Philadelphia, Pa.
Filed September 24, 1943. Serial No. 463,619. PUBLISHED JANUARY 11, 1944. Class 6.

406,275. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed September 29, 1943. Serial No. 463,754. PUBLISHED JANUARY 4, 1944. Class 23.

406,276. ANIMAL AND POULTRY FEED PREPARED FROM MILK AND PARTICULARLY ADAPTED FOR THE FEEDING OF POULTRY, HOGS, DOGS, AND CATS. O. M. S. CORPORATION, Belle Center, Ohio.
Filed September 29, 1943. Serial No. 463,756. PUBLISHED JANUARY 11, 1944. Class 46.

406,277. COMPOUND FOR CLEANING, STERILIZING AND POLISHING DISHES, GLASSWARE, POTS, PANS, KETTLES, AND SILVERWARE. ACME CHEMICAL COMPANY, Milwaukee, Wis.
Filed October 4, 1943. Serial No. 463,856. PUBLISHED JANUARY 11, 1944. Class 4.

406,278. CLEANING AND POLISHING COMPOUND FOR GLASS. ACME CHEMICAL COMPANY, Milwaukee, Wis.
Filed October 4, 1943. Serial No. 463,857. PUBLISHED JANUARY 11, 1944. Class 4.

406,279. SPRAY DEODORANT AND DISINFECTANT. ACME CHEMICAL COMPANY, Milwaukee, Wis.
Filed October 4, 1943. Serial No. 463,859. PUBLISHED JANUARY 11, 1944. Class 6.

406,280. AFTER-SHAVE LOTIONS. ALEXANDER MANSON, doing business as Manson, Chicago, Ill.
Filed October 9, 1943. Serial No. 464,026. PUBLISHED JANUARY 11, 1944. Class 6.

406,281. PREPARATION USED FOR ODORIZING NATURAL GAS. NATURAL GAS ODORIZING COMPANY, Baton Rouge, La.
Filed October 11, 1943. Serial No. 464,062. PUBLISHED JANUARY 11, 1944. Class 6.

406,282. CRANES. SERVICE SUPPLY CORPORATION, Philadelphia, Pa.
Filed October 16, 1943. Serial No. 464,205. PUBLISHED DECEMBER 21, 1943. Class 23.

406,283. CRANES. SERVICE SUPPLY CORPORATION, Philadelphia, Pa.
Filed October 16, 1943. Serial No. 464,206. PUBLISHED DECEMBER 21, 1943. Class 23.

406,284. ENAMELED WIRE FOR ELECTRICAL PURPOSES OR USES. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y.
Filed October 18, 1943. Serial No. 464,229. PUBLISHED JANUARY 11, 1944. Class 21.

406,285. CANNED FRUITS AND VEGETABLES. SPRINGBROOK PACKING CO. COOPERATIVE, Springbrook, Oreg.
Filed October 20, 1943. Serial No. 464,276. PUBLISHED JANUARY 11, 1944. Class 46.

406,286. CANNED FRUITS. SPRINGBROOK PACKING CO. COOPERATIVE, Springbrook, Oreg.
Filed October 20, 1943. Serial No. 464,277. PUBLISHED JANUARY 11, 1944. Class 46.

406,287. CANNED FRUITS. SPRINGBROOK PACKING CO. COOPERATIVE, Springbrook, Oreg.
Filed October 20, 1943. Serial No. 464,278. PUBLISHED JANUARY 11, 1944. Class 46.

406,288. VIBRATORY CONVEYORS. AJAX FLEXIBLE COUPLING CO., INC., Westfield, N. Y.
Filed October 21, 1943. Serial No. 464,296. PUBLISHED JANUARY 11, 1944. Class 23.

406,289. LEVEL COMPENSATING AND ANGLE INDICATING INSTRUMENT. KENT-MOORE ORGANIZATION INC., Detroit, Mich.
Filed October 22, 1943. Serial No. 464,341. PUBLISHED JANUARY 11, 1944. Class 26.

406,290. GEAR CHECKING GAUGES. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed October 23, 1943. Serial No. 464,367. PUBLISHED JANUARY 11, 1944. Class 26.

406,291. HAND TOOLS—NAMELY, FILES. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa.
Filed October 27, 1943. Serial No. 464,432. PUBLISHED JANUARY 11, 1944. Class 23.

406,292. TAPPETS AND POPPET VALVES FOR INTERNAL COMBUSTION ENGINES. EATON MANUFACTURING COMPANY. Cleveland, Ohio.
Filed October 27, 1943. Serial No. 464,433. PUBLISHED DECEMBER 28, 1943. Class 23.

406,293. CIGARS. NATIONAL CIGAR CORPORATION, Wilmington, Del.; Frankfort, Ind.; and Cincinnati, Ohio.
Filed October 28, 1943. Serial No. 464,486. PUBLISHED JANUARY 11, 1944. Class 17.

406,294. SURGICAL BANDAGES. D. C. MCLINTOCK Co., Newark, N. J.
Filed October 29, 1943. Serial No. 464,514. PUBLISHED JANUARY 11, 1944. Class 44.

406,295. COAL. STAHMER COAL COMPANY, Chicago, Ill.
Filed November 2, 1943. Serial No. 464,629. PUBLISHED JANUARY 11, 1944. Class 1.

406,296. COMMINUTING AND MIXING MACHINES PARTICULARLY FOR FORMING EMULSIONS, COLLOIDAL SUSPENSIONS AND FOR GRANULATING. THE W. J. FITZPATRICK COMPANY, Chicago, Ill.
Filed November 3, 1943. Serial No. 464,647. PUBLISHED JANUARY 11, 1944. Class 23.

406,297. EAU DE COLOGNE AND DUSTING POWDER. PINAUD, INCORPORATED, New York, N. Y.
Filed November 4, 1943. Serial No. 464,720. PUBLISHED JANUARY 11, 1944. Class 6.

406,298. LAXATIVE PREPARATION. STODDARD BROTHERS, INC., Hartford, Conn.
Filed November 4, 1943. Serial No. 464,734. PUBLISHED JANUARY 11, 1944. Class 6.

406,299. WOMEN'S AND MISSES' SPORT JACKETS, SKIRTS, SUITS AND BLOUSES. H. & M. SCHAINMAN SPORTWEAR, New York, N. Y.
Filed November 6, 1943. Serial No. 464,797. PUBLISHED JANUARY 4, 1944. Class 39.

406,300. CANNED CORN. BOZEMAN CANNING COMPANY, Mount Vernon, Wash.
Filed October 14, 1943. Serial No. 464,127. PUBLISHED JANUARY 25, 1944. Class 46.

406,301. HAND LOTION. BRISTOL-MYERS COMPANY, New York, N. Y.
Filed November 10, 1943. Serial No. 464,871. PUBLISHED JANUARY 11, 1944. Class 6.

406,302. FRESH FRUIT—NAMELY, FRESH GRAPES. DIAMOND K VINEYARDS, Exeter, Calif.
Filed November 12, 1943. Serial No. 464,940. PUBLISHED JANUARY 11, 1944. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,303. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORDBERG MANUFACTURING COMPANY, Milwaukee, Wis. Filed June 9, 1940. Serial No. 444,353.

CONE

FOR CRUSHING MACHINERY FOR USE IN CRUSHING COAL OR STONE, CEMENT, AND GRAVEL, AND PARTICULARLY ADAPTABLE FOR USE IN MINING, CEMENT MANUFACTURE, AND ROCK AND GRAVEL WORK.
Claims use since Dec. 12, 1928.

406,304. (CLASS 39. CLOTHING.) LOUIS EISENSTEIN, New York, N. Y. Filed July 7, 1942. Serial No. 454,082.

HARLEM'S TOP-NOTCHERS

FOR MEN'S APPAREL—NAMELY, SUITS, PANTS, COATS, OVERCOATS, RAINCOATS, AND OUTER SHIRTS.
Claims use since June 15, 1942.

406,305. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DELTA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Dec. 21, 1942. Serial No. 457,541.

Toolmaker

FOR GRINDERS WITH RECIPROCATORY BEDS.
Claims use since Nov. 24, 1942.

406,306. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARGROVES DISTRIBUTING COMPANY, Dallas, Tex. Filed Mar. 18, 1943. Serial No. 459,201.



The picture is fanciful.
FOR HAIR TONIC.
Claims use since 1929.

406,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LELA DEAN, doing business as Madame Lela Dean Hair Preparations, Detroit, Mich. Filed Apr. 16, 1943. Serial No. 459,919.

MADAME Lela Dean's

FOR HAIR PREPARATIONS—NAMELY, BRILLIANTINE, PRESSING OIL, HAIR DRESSING, AND PERFUMED OILS.
Claims use since July 5, 1920.

406,308. (CLASS 25. LOCKS AND SAFES.) UNIVERSAL HOMEWARES CORPORATION, Detroit, Mich. Filed May 24, 1943. Serial No. 460,887.

KANTPICK

FOR DOOR FASTENERS.
Claims use since May 26, 1941.

406,309. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VALENTINE J. SCHINDELBECK, Boonton, N. J. Filed June 16, 1943. Serial No. 461,446.

TRUKUT

FOR END MILLS, MILLING CUTTERS, REAMERS, COUNTERBORES, COUNTERSINKS, AND BROACHES.
Claims use since Jan. 15, 1941.

406,310. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) BLUE DIAMOND COAL COMPANY, Knoxville, Tenn. Filed July 23, 1943. Serial No. 462,327.



FOR COAL.
Claims use since June 1, 1941.

406,311. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ACME CHEMICAL COMPANY, Milwaukee, Wis. Filed Aug. 19, 1943. Serial No. 462,835.

FLORGARD

FOR LIQUID WAX FOR APPLICATION CHIEFLY TO WOOD, LINOLEUM, TERRAZZO, CLAY TILE, COMPOSITION, AND RUBBER FLOORS.
Claims use since May 1, 1942.

406,312. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE MAPES PIANO STRING CO., New York, N. Y. Filed Oct. 14, 1943. Serial No. 464,139.



FOR STRINGS FOR MUSICAL STRING INSTRUMENTS.
Claims use since January 1941.

406,313. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) VEGA AIRCRAFT CORPORATION, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Filed Oct. 25, 1943. Serial No. 464,405.

Ventura

FOR AIRPLANES AND STRUCTURAL PARTS THEREFOR.
Claims use since June 1940.

406,314. (CLASS 31. FILTERS AND REFRIGERATORS.) LEROY R. SMITH, Alhambra, Calif. Filed Nov. 10, 1943. Serial No. 464,903.

Rol-Pak

FOR OIL FILTERS USED FOR CRANKCASE OIL FILTRATION.
Claims use since Feb. 15, 1940.

406,315. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SAUNDERS VALVE COMPANY OF AMERICA, INC., New York, N. Y. Filed Nov. 11, 1943. Serial No. 464,927.

SAUNDERS

FOR DIAPHRAGM VALVES.
Claims use since July 1942.

406,316. (CLASS 37. PAPER AND STATIONERY.) L. HYMAN & SONS, New York, N. Y. Filed Nov. 16, 1943. Serial No. 465,029.

USONA

FOR PAPER PRODUCTS—NAMELY, BOND PAPER, TYPEWRITER PAPER, PRINTING PAPER, PADS, SECOND SHEETS, TABLETS, ENVELOPES, PACKETS, BLANK CARDS, FILLERS, AND PAPER REINFORCEMENTS.
Claims use since 1933.

406,317. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE OHIO CHEMICAL & MFG. CO., Cleveland, Ohio. Filed Dec. 31, 1943. Serial No. 466,228.



FOR LIQUID SOAP.
Claims use since May 1931.

TRADE-MARK REGISTRATIONS RENEWED

24,919. **REPRESENTATION OF A "CRISS-CROSS" DESIGN.** FLOUR, ROLLED, CRUSHED OR OTHERWISE PREPARED WHEAT AND OTHER CEREALS. Registered June 26, 1894. FARWELL & RHINES. Renewed June 26, 1944, to The Farwell & Rhines Co., Inc., Watertown, N. Y., a corporation of New York, successor.

178,792. **REPRESENTATION OF AN ELEPHANT.** ROUGE AND FACE POWDER. Registered January 29, 1924. MARINELLO COMPANY, La Crosse, Wis. Renewed January 29, 1944, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

178,841. **"HERCULES" AND DRAWING.** FISHING NETS. Registered January 29, 1924. STUARTS & JACKS, LIMITED. Renewed January 29, 1944, to J. & W. Stuart, Limited, Musselburgh, Scotland, an organized company of Great Britain, by change of name.

178,886. **KLIN KLUB.** GOLF CLUBS. Registered January 29, 1924. URBAN A. KLIN, doing business as Klin Bros. Golf Mfg. Co., Homewood, Ill. Renewed January 29, 1944, to Urban A. Klin, doing business as Klin Bros. Golf Mfg. Co., Chicago, Ill.

178,999. **FLAKICE.** ICE-MANUFACTURING MACHINES AND PARTS THEREOF. Registered February 5, 1924. CHEMICAL MACHINERY EXPERIMENT CO. INC., New York, N. Y. Renewed February 5, 1944, to Flakice Corporation, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

179,024. **"HERCULES" AND DRAWING.** TWINES FOR FISHING NETS. Registered February 5, 1924. STUARTS & JACKS, LIMITED. Renewed February 5, 1944, to J. & W. Stuart, Limited, Musselburgh, Scotland, an organized company of Great Britain, by change of name.

179,039. **"HOWER" AND DESIGN.** PNEUMATIC TIRES AND TUBES. Registered February 5, 1924. HARRY C. HOWER, Chicago, Ill. Renewed February 5, 1944.

179,851. **"LANCASTER" AND DRAWING.** OIL FABRICS FOR FLOOR COVERINGS, TABLE COVERINGS, AND UPHOLSTERING, TABLE BAIZE, LEATHER CLOTH, JAPANNED LEATHER CLOTH, AND OTHER OIL FABRICS. Registered February 19, 1924. JAMES, BARON ASHTON, doing business as Jas. Williamson & Son. Renewed February 19, 1944, to Jas. Williamson & Son Limited, Lancaster, England, a corporation of Great Britain, assignee.

179,852. **"LANCASTER" AND DRAWING.** FABRIC FOR WINDOW SHADES. Registered February 19, 1924. JAMES, BARON ASHTON, doing business as Jas. Williamson & Son. Renewed February 19, 1944, to Jas. Williamson & Son Limited, Lancaster, England, a corporation of Great Britain, assignee.

179,857. **"LANCASTER" AND DRAWING.** LINOLEUM. Registered February 19, 1924. JAMES, BARON ASHTON, doing business as Jas. Williamson & Son. Renewed February 19, 1944, to Jas. Williamson & Son Limited, Lancaster, England, a corporation of Great Britain, assignee.

179,925. **TWO-UP.** GOLF BALLS. Registered February 19, 1924. CUPPLES COMPANY MANUFACTURERS, St. Louis, Mo. Renewed February 19, 1944, to The Worthington Ball Company, Elyria, Ohio, a corporation of Ohio, assignee.

180,690. **"TRIPLE X" AND DESIGN.** WRITING TABLETS, SCHOOL TABLETS, COMPOSITION BOOKS, STUDENT NOTEBOOKS, ENVELOPES, PAPETERIES, LOOSE-LEAF PACKAGE PAPER, AND LOOSE-LEAF BINDERS. Registered March 4, 1924. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Renewed March 4, 1944.

180,800. **MOLLY O.** CHOCOLATE-COVERED CANDY BAR. Registered March 4, 1924. THE SHOTWELL MFG. CO., Chicago, Ill., a corporation of Illinois. Renewed March 4, 1944.

181,142. **MARVEL.** GOLF BALLS. Registered March 11, 1924. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed March 11, 1944.

182,375. **SHAVING BANK.** SAFETY-RAZOR SETS. Registered April 8, 1924. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y., a corporation of Virginia. Renewed April 8, 1944.

182,398. **REPRESENTATION OF A MAP OF CANADA.** GINGER ALE. Registered April 8, 1924. CANADA DRY GINGER ALE, INC. Renewed April 8, 1944, to Canada Dry Ginger Ale, Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

183,038. **7-20-3.** CIGARS. Registered April 22, 1924. R. G. SULLIVAN ESTATE. Renewed April 22, 1944, to R. G. Sullivan Incorporated, Manchester, N. H., a corporation of Delaware, assignee.

183,039. **R. G. SULLIVAN'S.** CIGARS. Registered April 22, 1924. R. G. SULLIVAN ESTATE. Renewed April 22, 1944, to R. G. Sullivan Incorporated, Manchester, N. H., a corporation of Delaware, assignee.

183,224. **SOPHIA.** POWDER PUFFS. Registered April 22, 1924. SOPHIA HAIR STORES COMPANY. Renewed April 22, 1944, to Sophia Company, Inc., New York, N. Y., a corporation of New York, by change of name.

183,422. **"WESLEY BARRY" AND DRAWING.** MEN'S AND BOYS' CAPS. Registered April 29, 1924. FELDSTEIN BROS. & Co., New York, N. Y., a co-partnership. Renewed April 29, 1944.

183,424. **VANITY FAIR.** BANDEAUX, BLOOMERS, BRASICHEMISE, BRASSIÈRES, BRASIVESTS, CAMISOLES, CHEMISE, CORSET COVERS, COSTUME SLIPS, DRAWERS, KNICKERS, LINGERIE, NIGHTGOWNS, PETTICOATS, PETTISKIRTS, PRINCESS SLIPS, STEP-IN DRAWERS; AND OTHER CERTAIN NAMED ARTICLES OF CLOTHING. Registered April 29, 1924. VANITY FAIR SILK MILLS. Renewed April 29, 1944, to Vanity Fair Mills, Inc., Reading Pa., a corporation of Pennsylvania, by change of name.

183,594. **TWILLEN.** WOOLEN, COTTON AND WOOLEN, AND COTTON PIECE GOODS. Registered May 6, 1924. ATLANTIC MILLS, Providence, R. I. Renewed May 6, 1944, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

183,986. **CARNATION.** EVAPORATED MILK. Registered May 13, 1924. CARNATION MILK PRODUCTS COMPANY, Wilmington, Del., Seattle, Wash., and Oconomowoc, Wis. Renewed May 13, 1944, to Carnation Company, Milwaukee, Wis., a corporation of Delaware, by change of name.

184,470. **SU LAQ.** PREPARED SHELLAC. Registered May 27, 1924. TWIN CITY SHELLAC CO., New York, N. Y. Renewed May 27, 1944, to Twin City Shellac Co. Inc., Brooklyn, N. Y., a corporation of New York.

184,661. **PRIMUS.** BUTTER AND EGGS. Registered May 27, 1924. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn., a corporation of Minnesota. Renewed May 27, 1944.

184,749. **ADORIA.** LEATHER SHOES AND SLIPPERS. Registered June 3, 1924. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa., a corporation of New York. Renewed June 3, 1944.

184,786. **JUILLEEN.** WOOLEN, COTTON, AND WOOLEN AND COTTON PIECE GOODS. Registered June 3, 1924. ATLANTIC MILLS, Providence, R. I. Renewed June 3, 1944, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

184,793. **KAUFMANN'S KUMFORTER.** MEN'S, WOMEN'S, BOYS', AND CHILDREN'S LEATHER SHOES AND SLIPPERS. Registered June 3, 1924. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa., a corporation of New York. Renewed June 3, 1944.

184,813. **"ELHART" AND DESIGN.** PLAY SUITS, WASH SUITS, FLAPPER SUITS, BASEBALL SUITS, HIKING SUITS, BOYS' SHIRTS AND BLOUSES, MIDDY BLOUSES, ROMPERS, CREEPERS, SWEATER COATS, SWEATERS, DRESSES, SLIP-ONS, KNITTED LEGGINGS, KNITTED CAPS, INFANTS' SACKS, ANGORA SWEATERS, ANGORA HATS, AND ANGORA SCARFS. Registered June 3, 1924. THE ELHART CO. Renewed June 3, 1944, to Anthony Ellner, doing business as The Elhart Co., New York, N. Y., assignee.

184,814. **"CINDERELLA NU-WAY FROCK" AND DRAWING.** CHILDREN'S DRESSES. Registered June 3, 1924. ROSENAU BROS. INC. Renewed June 3, 1944, to Rosenau Brothers, Philadelphia, Pa., a partnership, assignee.

184,940. **DURA.** TABLE GLASSWARE. Registered June 3, 1924. THE NONIK GLASSWARE CORPORATION, New York, N. Y. Renewed June 3, 1944, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio, assignee by mesne assignments.

185,121. **SOPHIA.** SOAPS AND SOAP PREPARATIONS—NAMELY, SOAP CHIPS, LIQUID SOAP, TOILET SOAP, LIQUID SOAP FOR SHAMPOOING, AND SOAP FOR MANICURING PURPOSES, CONSISTING OF SMALL CAKES TO SOFTEN THE CUTICLE. Registered June 10, 1924. SOPHIA HAIR STORES CO., INC. Renewed June 10, 1944, to Sophia Company, Inc., New York, N. Y., a corporation of New York, by change of name.

185,378. **RADIO.** SAFETY RAZORS, SAFETY-RAZOR BLADES, METAL SAFETY-RAZOR FRAMES, MECHANICAL STROPPERS FOR SAFETY-RAZOR BLADES. Registered June 17, 1924. AMERICAN SAFETY RAZOR CORPORATION, New York, and Brooklyn, N. Y. Renewed June 17, 1944, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia.

185,599. **"MARION HALE" AND DRAWING.** FROCKS AND DRESSES. Registered June 24, 1924. JAMES MCCREERY & COMPANY, New York, N. Y., a corporation of New York. Renewed June 24, 1944.

185,648. **REPRESENTATION OF AN EAGLE AND SHIELD.** COTTON PIECE GOODS. Registered June 24, 1924. MINOT, HOOPER & CO., New York, N. Y., a firm. Renewed June 24, 1944.

185,670. **DRYCO.** FOOD PRODUCT IN POWDERED FORM PREPARED FROM M[illegible]. Registered June 24, 1924. THE DRY MILK COMPANY. Renewed June 24, 1944, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

185,724. **EFEF.** PROPHYLACTICS AGAINST INFECTIONS OF THE GENITALS. Registered June 24, 1924. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed June 24, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

185,741. **BRILLO.** RECEPTACLES AND COOKING UTENSILS FORMED OF CROCKERY, EARTHENWARE, OR PORCELAIN. Registered June 24, 1924. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed June 24, 1944.

185,821. **"CARNATION" AND DRAWING.** BUTTER. Registered June 24, 1924. CARNATION MILK PRODUCTS COMPANY, Seattle, Wash., assignors to Carnation Milk Products Company. Renewed June 24, 1944, to Carnation Company, Milwaukee, Wis., a corporation of Delaware, assignee.

186,178. **STAMCO.** CORRUGATING AND CRIMPING MACHINES, POWER SQUARING AND GAP SHEARS, FORMING PRESSES AND BRAKES, CURVING AND CULVERT ROLLS, CORRUGATED TANK AND CAN MACHINES, CONDUCTOR-PIPE MACHINERY, EAVES-TROUGH MACHINES, ROOFING MACHINERY. Registered July 1, 1924. THE STREINE TOOL & MANUFACTURING COMPANY, New Bremen, Ohio, a corporation of Ohio. Renewed July 1, 1944.

186,189. **GLACIER.** ICE CREAM. Registered July 1, 1924. REID ICE CREAM COMPANY, Brooklyn, N. Y. Renewed July 1, 1944, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

186,196. **LYOPAN.** PHARMACEUTICAL PRODUCTS FOR SPASMOLYTIC AND SIMILAR PURPOSES. Registered July 1, 1924. CHEMISCHE FABRIK VORMALS SANDOZ, Basel, Switzerland. Renewed July 1, 1944, to Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York, assignee.

186,273. **"BRILLO" AND DRAWING.** ALUMINUM CLEANSER. Registered July 8, 1924. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed July 8, 1944.

186,522. **"LIBBY'S" AND DESIGN.** FRESH, PREPARED, PICKLED, AND CANNED BEEF, VEAL, PORK, MUTTON AND POULTRY, SAUSAGE, MEAT EXTRACTS, BOUILLON CUBES, CANNED SOUPS, CANNED FISH; CANNED, DRIED AND PRESERVED FRUITS, BERRIES, AND VEGETABLES; PLUM PUDDINGS AND MINCEMEATS, OLIVES, PICKLES, CATCHUPS AND RELISHES, AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered July 22, 1924. LIBBY, MCNEILL & LIBBY, Chicago, Ill., a corporation of Maine. Renewed July 22, 1944.

186,609. **BUCKEYE.** BOLTS. Registered July 22, 1924. THE LAMSON & SESSIONS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 22, 1944.

186,628. **BRILLO.** DRINKING GLASSES, BOWLS, AND JARS MADE OF GLASS. Registered July 22, 1924. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed July 22, 1944.

186,705. **IDEAL.** SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. Registered July 22, 1924. BROWN SHOE COMPANY, INC., St. Louis, Mo., a corporation of New York. Renewed July 22, 1944.

186,720. **"EDNA" AND DESIGN.** LOCOMOTIVE LUBRICATORS, BRAKE LUBRICATORS, HYDROSTATIVE BULL'S-EYE LUBRICATORS, JOURNAL BEARINGS, ENGINE BEARINGS, LOCOMOTIVE INJECTORS, LIFTING LOCOMOTIVE INJECTORS, LIFTING AUTOMATIC INJECTORS, LEVER-HANDLE INJECTORS, U. S. MARINE TYPE INJECTORS, AND OTHER CERTAIN NAMED ACCESSORIES FOR LOCOMOTIVES. Registered July 22, 1924. THE EDNA BRASS MANUFACTURING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 22, 1944.

186,731. **"MOTHER'S CHOICE" AND DRAWING.** FRESH MEATS—NAMELY, BEEF, PORK, MUTTON, AND VEAL. Registered July 22, 1924. EDWARD SMITH PACKING CO., Buffalo, N. Y., a corporation of New York. Renewed July 22, 1944.

186,786. **MADONNA.** CANNED FRUITS, VEGETABLES, AND TOMATO PASTE, ALSO GRAPE SIRUP FOR TABLE USE, ICE CREAM, CONDENSED MILK, AND BUTTER. Registered July 22, 1924. RIVERBANK CANNERY, INC. Renewed July 22, 1944, to Riverbank Canning Company, Riverbank, Calif., a corporation of California, assignee by mesne assignments.

186,789. **ALLEGAN.** MEDICINAL AGENTS TO BE USED AGAINST INTESTINAL PARASITES. Registered July 22, 1924. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed July 22, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

186,820. **TUBEROSE.** CANNED FRUIT, FRUIT SALAD, CANNED GRAPEFRUIT, CANNED BERRIES, CANNED FIGS, CANNED VEGETABLES, CANNED SAUERKRAUT, CANNED GREEN CHILI, CANNED PIMENTOS, CANNED HOMINY, CANNED FISH, AND SHELL FISH—NAMELY, CLAMS, CRAB, LOBSTER, OYSTERS AND SHRIMP, AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered July 22, 1924. MEBIUS & DRESCHER CO. Renewed July 22, 1944, to The Bert McDowell Company, Inc., Sacramento, Calif., a corporation of California, successor.

186,822. **WESTON.** ELECTRICAL MEASURING INSTRUMENTS. Registered July 22, 1924. WESTON ELECTRICAL INSTRUMENT COMPANY. Renewed July 22, 1944, to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey, assignee.

186,823. **REPRESENTATION OF TWO RED TRIANGLES ON A YELLOW RECTANGULAR LABEL.** FRESH, PREPARED, PICKLED, AND CANNED BEEF, VEAL, PORK, MUTTON, AND POULTRY. Registered July 22, 1924. LIBBY, MCNEILL & LIBBY, Chicago, Ill., a corporation of Maine. Renewed July 22, 1944.

186,896. **REPRESENTATION OF AN EAGLE.** TRADING OR DISCOUNT STAMPS AND COUPONS. Registered July 22, 1924. EAGLE DISCOUNT STAMP CO. Renewed July 22, 1944, to Eagle Stamp Company, St. Louis, Mo., a corporation of Delaware, by change of name.

186,909. **"MANN S. VALENTINE" AND DRAWING.** EXTRACTS OF MEAT AND COMPOUNDS THEREOF. Registered July 22, 1924. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va., a corporation of Virginia. Renewed July 22, 1944.

186,910. **"VALENTINE'S" AND DESIGN.** EXTRACTS OF MEAT AND COMPOUNDS THEREOF. Registered July 22, 1924. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va., a corporation of Virginia. Renewed July 22, 1944.

186,911. **VALENTINE'S.** EXTRACTS OF MEAT AND COMPOUNDS THEREOF. Registered July 22, 1924. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va., a corporation of Virginia. Renewed July 22, 1944.

186,920. **"SOPHIA" AND DRAWING.** NOTIONS—NAMELY, SAFETY PINS, TOILET PINS, HAIRPINS, AND SNAP FASTENERS. Registered July 22, 1924. SOPHIA HAIR STORES CO., INC. Renewed July 22, 1944, to Sophia Company, Inc., New York, N. Y., a corporation of New York, by change of name.

186,952. **USTIN.** CHEMICAL PREPARATIONS FOR DESTROYING AMERICAN BLIGHT (WOOLY APHIS). Registered July 22, 1924. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed July 22, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

186,959. **BRILLO.** CHEMICAL RUST REMOVER. Registered July 22, 1924. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed July 22, 1944.

186,969. **SHOPPING NEWS.** TITLE OF A NEWSPAPER. Registered July 22, 1924. THE CLEVELAND SHOPPING NEWS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 22, 1944.

186,973. **CORIMINT.** ANODYNES FOR NERVOUS HEADACHES, CATARRH OF THE NOSE AND THROAT, PAINS OF THE STOMACH, NAUSEA, SEASICKNESS, AND VOMITING. Registered July 22, 1924. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed July 22, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

187,084. **CAMPUS.** HANDKERCHIEFS. Registered July 29, 1924. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Renewed July 29, 1944.

187,086. **SENIOR.** HANDKERCHIEFS. Registered July 29, 1924. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Renewed July 29, 1944.

187,126. **DE LUXE.** COATED LABEL PAPER. Registered July 29, 1924. MCLAURIN-JONES CO., Brookfield, Mass., a corporation of Massachusetts. Renewed July 29, 1944.

187,184. **DEFIANCE.** SELF-RISING FLOUR. Registered July 29, 1924. THE COLORADO MILLING & ELEVATOR COMPANY, also doing business as The Fort Collins Flour Mills, Denver and Fort Collins, Colo. Renewed July 29, 1944.

187,185. **BLUE GOOSE.** WHEAT FLOUR. Registered July 29, 1924. THE COLORADO MILLING & ELEVATOR COMPANY, also doing business as the La Junta Flour Mills, Denver and La Junta, Colo. Renewed July 29, 1944, to The Colorado Milling & Elevator Company, also doing business as The Monte Vista Flour Mills, Denver and Monte Vista, Colo., a corporation of Colorado.

187,187. **OUT OF THE WEST.** FRESH PEARS. Registered July 29, 1924. WILL B. WESTON. Renewed July 29, 1944, to Santa Clara Pear Association, Santa Clara, Calif., a corporation of California, assignee.

187,280. **"ELCO" AND DESIGN.** GASOLINE. Registered July 29, 1924. THE ELCO PETROLEUM COMPANY, St. Louis, Mo. Renewed July 29, 1944, to The Elco Grease and Oil Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

REISSUES

MARCH 21, 1944

22,458

ALKYLATION PROCESS

Arlie A. O'Kelly, Woodbury, N. J., and Robert H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Original No. 2,315,129, dated March 30, 1943, Serial No. 356,186, September 10, 1940. Application for reissue October 8, 1943, Serial No. 505,584

6 Claims. (Cl. 260—683.4)

1. The process of alkylating paraffins with olefins which comprises contacting a mixture consisting substantially of paraffins and olefins under alkylating conditions with an alkylation catalyst and a hydrogenation catalyst that has appreciable hydrogenation activity at said alkylating conditions.

PLANT PATENTS

GRANTED MARCH 21, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

620

ROSE PLANT

Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind., a corporation of Indiana

Application October 23, 1943, Serial No. 507,423

1 Claim. (Cl. 47—61)

A new and distinct variety of Hybrid Tea Rose plant, characterized as to novelty by the prolificacy of blooming, the unusual coloring and fragrance of the flowers, and their lasting quality, substantially as shown and described.

619

APPLE TREE

Frederick K. Baxter, Nauvoo, Ill., assignor to Gem City Vineland Company, Nauvoo, Ill., a partnership composed of Frederick K. Baxter, Emil O. Baxter, and Cecil J. Baxter, Jr.

Application May 13, 1943, Serial No. 486,757

1 Claim. (Cl. 47—62)

A new and distinct variety of apple tree characterized by its early bloom, vigorous growth, stout branches, hardiness and ability to withstand sudden and severe winter cold and by a fruit which is early and regular bearing, maroon to black in color shading to russet yellow usually about the calyx, spherical to ellipsoidal in shape with the flattened portion at the stem and calyx, the skin medium tough and having a waxy appearance and feel, the meat yellowish to white, crisp, firm and juicy, and having excellent shipping and storage qualities substantially as shown and described.

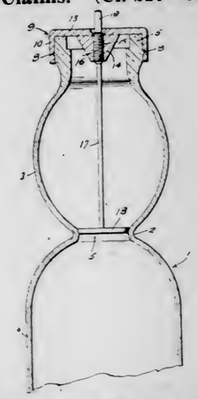
PATENTS

GRANTED MARCH 21, 1944

2,344,485
MILK BOTTLE

Gilford Duff Adams, Butterfield, Mo., assignor of nine-sixteenths to F. P. Sizer, Monett, Mo.

Application July 13, 1943, Serial No. 494,513
2 Claims. (Cl. 210—51.5)

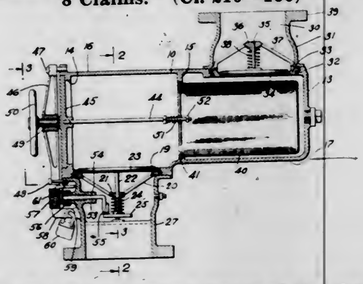


1. A milk bottle of the character described comprising a restricted intermediate portion providing communicating upper and lower cream and milk chambers, respectively, a closure cap mounted on the bottle, a manually operable stem threadedly mounted in said closure cap and depending therefrom, and a valve on the lower end of the stem engageable with the restricted portion of the bottle for closing the milk chamber.

2,344,486
FILLING AND STRAINER DEVICE

Nathan A. Arvins and Abraham A. Arvintz, Brooklyn, N. Y., assignors to Seal-O-Strain Corporation, a corporation of New York

Application February 26, 1942, Serial No. 432,464
8 Claims. (Cl. 210—166)

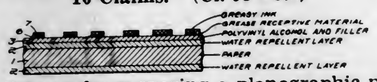


1. A fluid transmitting device of the character described comprising an elongated casing, means extending longitudinally of the casing dividing the same into independent transmission passages, means transversely of one end and side of the casing forming a single fluid inlet opening into one end of each of said passages, means transversely of the other end and at the other side of the casing forming a single fluid outlet opening into the other end of each of said passages, independent valves controlling the inlet to each passage, other valves controlling the outlets of said passages, and means cooperating with the first named valves for independently retaining said valves in closed inoperative position.

2,344,487
METHOD OF PREPARING PRINTING PLATES

Ellis Bassist, Brookline, Mass., assignor to William Craig Toland, Brookline, Mass., as trustee

Application November 11, 1942, Serial No. 465,256
10 Claims. (Cl. 95—5.4)

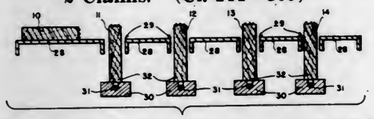


1. Process for preparing a planographic printing plate which comprises providing a photosensitive silver emulsion coating supported on a planographic base, exposing the coating to form photographically exposed portions and unexposed portions, treating the plate with an agent for removing from the base said photographically hardened portions only, coating the plate with a grease-receptive material, applying a greasy ink over the said grease-receptive material and washing the plate in water to remove unexposed portions of the silver emulsion together with overlying parts of the grease-receptive material and greasy ink.

2,344,488
METHOD OF FORMING COMPOSITE BOARDS

Robert T. Bowling, Lewiston, Idaho, assignor to Potlatch Forests, Inc., Lewiston, Idaho

Application January 13, 1941, Serial No. 374,231
2 Claims. (Cl. 144—309)



1. The method of making a composite board which includes applying an adhesive to a lateral edge of one board, preheating a lateral edge of another board, assembling these boards with their treated edges in contact to form a joint, supporting the boards in horizontal position, applying lateral pressure against the assembled boards, simultaneously applying vertical pressure on the tops of the boards at their joint-edges, and confining and applying heat only to the upper and lower faces of the boards at the joint.

2,344,489
LIGHT STABILIZED VINYLIDENE CHLORIDE PRODUCT

Raymond F. Boyer, Lorne A. Matheson, and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

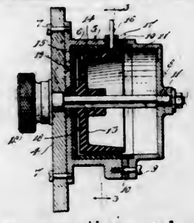
No Drawing. Application November 6, 1940, Serial No. 364,544
8 Claims. (Cl. 260—92.5)

7. A composition of matter comprising a polymeric vinylidine chloride product and stabilizing amounts of a dihalo-ortho-nitro-phenol wherein the halogen is selected from the group consisting of chlorine and bromine.

2,344,490
ANTENNA OPERATING REEL

Leon S. Brach, East Orange, N. J., assignor to L. S. Brach Mfg. Corp., Newark, N. J.

Application March 25, 1940, Serial No. 325,725
26 Claims. (Cl. 250—33)



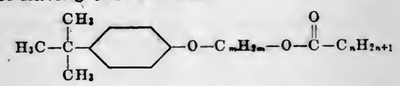
1. An antenna operating reel comprising a cylindrical casing, an operating shaft carried by the casing, a drum-like member carried on said shaft and completely housed within the casing, an insulating structure fitting closely on the inside of the casing and outside the drum, means having considerable stiffness longitudinally of its length, yet being bendable into turns, wound on said drum in close proximity to said insulating structure, said means being capable of raising and lowering at least an antenna of the telescopic automotive vehicle type when connected to the antenna and the said shaft is operated.

2,344,491
ESTERS OF 4-TERTIARYBUTYL-PHENOXY-ALKYLOLS

Edgar C. Britton and Gerald H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 12, 1941, Serial No. 397,742
5 Claims. (Cl. 260—488)

1. An ester of a 4-tertiarybutyl-phenoxy-alkylol having the formula:

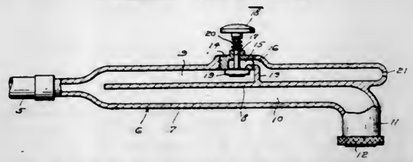


wherein m is an integer from 2 to 4, inclusive, and n is an integer not greater than 3.

2,344,492
AIR NOZZLE

Francis W. Brubaker, Portland, Ind.

Application October 15, 1941, Serial No. 415,135
1 Claim. (Cl. 277—60)

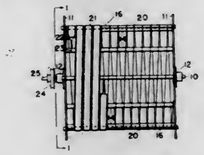


In an air nozzle comprising an elongated barrel having a rear inlet end for attachment to an air pressure line, and a front end provided with a lateral discharge nipple, means to by-pass air past said nipple comprising a longitudinal central partition in said barrel terminating short of said inlet end and forming a passageway in said barrel extending to the front end thereof, a vent in said front end for discharging air from said passageway, a transverse web in said passageway forming a baffle opposing passage of air through the passageway and also forming with the wall of the barrel a port for escape of air past said baffle, a plug threaded into said barrel and having a duct opening into said escape port and into said passageway in advance of said baffle, said plug forming a valve seat in said passageway around said duct, and a push button valve member slidable in said plug and spring tensioned toward said seat to normally close said duct.

2,344,493
FILM DEVELOPING HOLDER FOR MOTION PICTURE FILMS

Cuno Bryant, Multnomah County, Oreg.

Application November 5, 1941, Serial No. 417,881
1 Claim. (Cl. 242—113)



In a rotary reel type of film developing holder, a plurality of rigid film supporting elements, approximately parallel with the axis of said reel, interspersed radially movable, tension controlled film supporting elements, held in place and movable radially of the reel by means of radially positioned slotted bearings, near the circumference of disk like reel ends, and elastic tension means, supported by the periphery of the disk like reel ends and looped about the movable film supports, in combination with a spirally mounted spacing element, adapted to space a film upon the supporting elements of the reel, but not adapted to act as a support of said film.

2,344,494
METHOD OF COATING GLASS THREAD

William M. Camp, Glen Ridge, N. J., assignor to The Clark Thread Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application March 14, 1940, Serial No. 323,987
1 Claim. (Cl. 117—65)

The method of treating glass fiber thread which comprises impregnating said thread with latex and then passing the impregnated thread through the orifice of a heated die, said orifice having a circular cross section less than the cross section of the thread and of such dimensions that the thread is compressed during passage through said orifice, and heating the impregnated thread while it is subjected to said pressure.

2,344,495
NONSTAINING COATED FABRIC

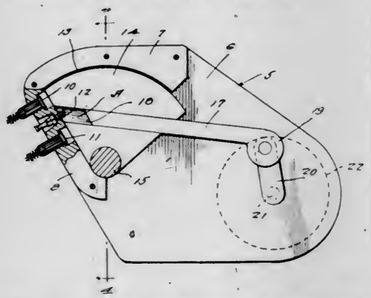
Merle H. Chamberlin, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 25, 1941, Serial No. 416,601
1 Claim. (Cl. 117—86)

A light colored coated fabric adapted for making handbags and the like and which is highly resistant to permanent staining by colored cosmetics and foodstuffs which comprises a base fabric having a coating of a composition weighing approximately 15 ounces of non-volatile material per yard of 50 inch width fabric, the film-forming ingredient of the said composition

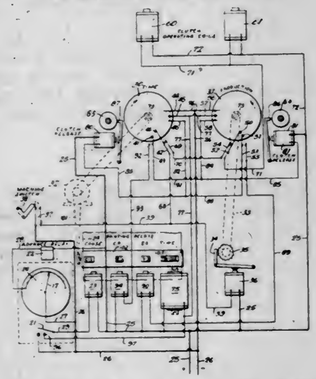
consisting essentially of cellulose nitrate and in contact with the said composition a surface coating containing about 3 parts of a mixed ester of cellulose selected from the group consisting of cellulose acetopropionate and cellulose acetobutyrate and about 1 part of a solvent plasticizer therefor, said surface coating being present in the amount of about 1 to 2 ounces of non-volatile components per yard of 50 inch width material.

2,344,496
INTERNAL COMBUSTION ENGINE
Walter Conradt, Kenosha, Wis.
Application August 26, 1943, Serial No. 500,111
4 Claims. (Cl. 123—18)



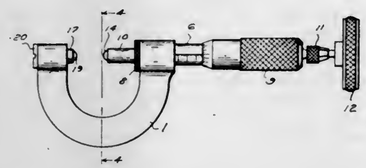
1. An engine of the character described comprising a case, a spark plug in the case, exhaust and intake valves in the case, an oscillating piston having a transverse groove, an elongated piston operative in the groove, a driven shaft including a crank to which the elongated piston is connected, one end of the groove serving as a combustion chamber and opposed to which the spark plug is located.

2,344,497
TIME AND PRODUCTION RECORDER
Peter A. Cooney, Chicago, Ill., assignor to Chronotype Corporation, Chicago, Ill., a corporation of Illinois
Substituted for abandoned application Serial No. 352,282, August 12, 1940. This application February 22, 1943, Serial No. 476,784
12 Claims. (Cl. 234—5.8)



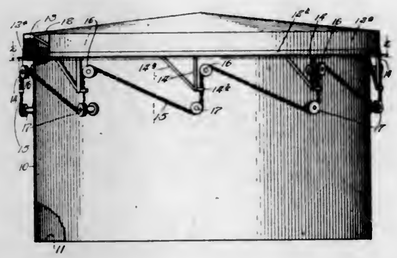
1. In a time and production recorder, movable timing means and movable means indicating production, a separate printing device actuated by one of said means to indicate the completion of a predetermined time before the completion of expected production in that time and another device actuated by said other means to indicate the completion of production in less than the predetermined time.

2,344,498
MICROMETER
William Harvey Coward, New Rochelle, N. Y.
Application December 22, 1942, Serial No. 469,834
1 Claim. (Cl. 33—147)



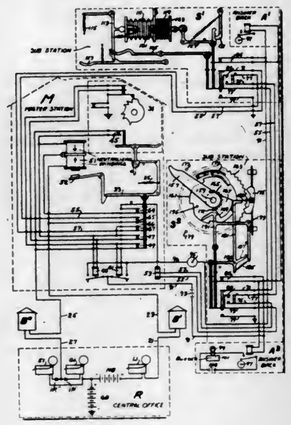
A micrometer comprising a U frame having aligned openings in its end portions, an annular seat in one of the openings at an intermediate point, the inner end portion of said one opening being threaded and tapered, a sleeve removably mounted in said one opening and including a shoulder engageable on the seat, a contractible nut threaded into the inner end portion of said one opening and engaged with the sleeve for frictionally securing said sleeve in position, a thimble threaded for adjustment on the sleeve, and a spindle on the thimble integral therewith and slidably extending through the sleeve into the frame for engagement with the work.

2,344,499
LIFTER ROOF
Otterbein A. Bailey, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application November 14, 1941, Serial No. 419,185
1 Claim. (Cl. 48—176)



A storage tank, comprising: a substantially cylindrical shell; a vertically movable roof having a relatively short distance of travel; a flexible seal between the shell and the roof; an endless flexible member extending entirely around the shell carried on pulleys mounted on the shell, said pulleys being arranged in pairs, the two pulleys of each pair being in substantially vertical alignment, said flexible member extending over the upper pulley of each pair and under the lower pulley of each pair; and a plurality of members on the roof attached to said flexible member between the two pulleys of each pair, whereby said members must move in unison as the roof rises and falls.

2,344,500
SIGNALING SYSTEM
Clarence E. Beach, Binghamton, N. Y.
Application February 19, 1940, Serial No. 319,628
25 Claims. (Cl. 177—369)



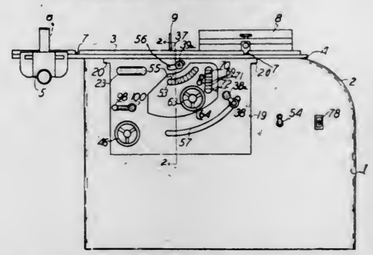
1. A signaling system having a normally energized main circuit, signaling mechanism including an electromagnet having winding portions connected serially with said circuit and opposingly with each other, two comparatively low resistance current paths normally shunting such winding portions, respectively, for preventing effective energization of said magnet, an independent conductor, means for maintaining an electromotive force between said circuit and said conductor, and sub-station mechanism associated with said paths, and operable for functionally interrupting one of said paths for causing effective energization of said magnet from normal main circuit current flow, for then likewise interrupting the other of said paths and for connecting said conductor with the end of one of said paths which leads to such end of the associated winding portion as is directly connected with an end of the other winding portion.

2,344,501
ELECTRIC CABLE
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application July 3, 1942, Serial No. 449,571
3 Claims. (Cl. 174—106)



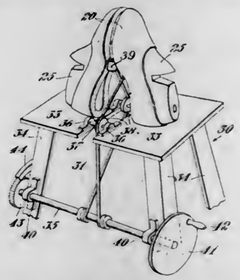
1. A telephone cable comprising in combination pairs of hard drawn copper conductors insulated with paper treated to render the same highly water resistant, said pairs of insulated conductors being cabled together, wax treated paper wrapped about said assembly, two layers of metal faced paper tape wrapped about the first mentioned paper layer, the metal faced tapes being applied so as to bring their metal facings into contact with each other and so that one tape breaks joints with the overlying tape, and an enclosing sheath of rubber-like material.

2,344,502
WOODWORKING MACHINE
William B. Boice, Toledo, Ohio
Original application March 17, 1939, Serial No. 262,432. Divided and this application March 10, 1942, Serial No. 434,152
2 Claims. (Cl. 143—36)



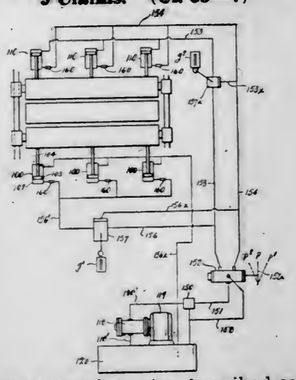
2. In a cutting machine, the combination; a machine base in which a carriage is longitudinally movable of itself in said base toward and away from the operator's position and said carriage having an end normally faced by the operator, said carriage end having an opening in it; a carrier swingable relatively of said carriage and having a hollow end wall adjacent said carriage end; a cutter support radially movable with respect to the axis of swing of said carrier and supported on said carrier adjacent said hollow end wall; indexed translucent dials fixed in the face of said hollow end wall adjacent said carriage end; said dials positioned back of said opening, and cooperating with means on the carriage and on the cutter support to show the adjustment respectively of said carrier angularly of said carriage and of said cutter support radially of said carrier; and illuminating means within said hollow wall to illuminate said dials to show the several adjustment readings.

2,344,503
LASTING SHOES
Michele Cuozzo, Lynn, Mass.
Application September 3, 1941, Serial No. 409,368
18 Claims. (Cl. 12—145)



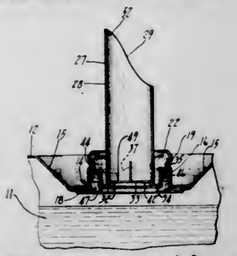
1. The method of lasting a pair of shoes simultaneously which comprises as steps preparing a pouch-like blank suitable to form corresponding end portions of a right upper and a left upper respectively, inserting corresponding end portions of a right and a left last in said blank with the bottoms of the lasts opposed to each other, and applying constrictive force to the blank in a plane substantially midway between the last bottoms, thereby to force portions of the blank inwardly between the last bottoms and snugly to stretch said end portions of the upper about the end portions of the respective lasts.

2,344,504
GRINDING MILL
Leonard Dotzer, Milton, Mass.
Application May 28, 1941, Serial No. 395,591
5 Claims. (Cl. 83—7)



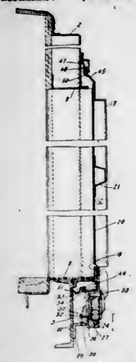
1. A mill of the character described comprising a series of three horizontal stones in face to face opposition for the grinding of material between them, means for feeding material between opposed grinding surfaces at opposite sides of the middle stone, means for supporting the middle stone at a fixed level for rotation, means for rotating the middle stone, means supporting the outer stones against rotation and for adjustment from and toward the middle stone, and hydraulically powered means for the adjustment of the upper and lower stones; said means comprising a hydraulic circuit, means operable to maintain flow of a hydraulic pressure medium therein at higher than grinding pressures, hydraulic jacks supporting the upper and lower stones, pressure applying connections between the hydraulic circuit and said jacks, a control valve incorporated in said connections and operable to effect the application of pressure medium to the jacks to move the stones from or toward each other, and pressure relief valves in the connections between the jacks and control valve for determining the effective grinding pressures.

2,344,505
CONTAINER
George E. Eckman, New Milford, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 31, 1941, Serial No. 396,231
4 Claims. (Cl. 221—24)



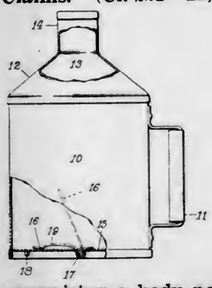
2. A detachable pouring spout for a liquid container having a pouring opening in a wall thereof, comprising a tubular spout body, a head secured to one end of the spout body and having an apertured end wall merging into a flange wall spaced outwardly from said spout body and terminating in an undulating peripheral edge, the inner surfaces of said end and flange walls constituting a splash guard area for the spout and said undulating terminal flange edge permitting venting of the container interior therethrough when said spout is positioned within the pouring opening of the container with said flange wall in depending position with its said undulating edge resting upon said container wall surrounding the pouring opening.

2,344,506
RAILWAY CAR SIDE DOOR
Garth G. Gilpin, Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application December 24, 1941, Serial No. 424,313
8 Claims. (Cl. 20—22)



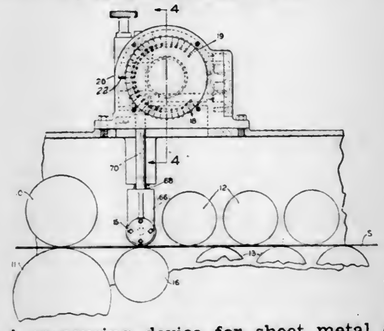
6. In a railway car having a wall with a doorway therein, a vertically shiftable and laterally moveable door moveable in a plane substantially parallel with the wall to a position opposite said doorway, the combination of sealing elements between said wall and door, means to move the door from said position into engagement with a resilient member having an outwardly and downwardly inclined surface so that as the resilience of said member allows said door to shift downwardly the inclined surface moves said door outwardly to a fully closed position whereby a seal is formed between said sealing members and between said door and said inclined surface, certain of said sealing members limiting said outward movement of said door.

2,344,507
CONTAINER
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 14, 1942, Serial No. 468,898
3 Claims. (Cl. 221—11)



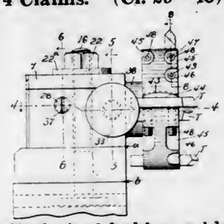
1. A scoop comprising a body portion formed to stand on end, two opposite end walls one of which includes a fixed section, a movable section and a hinge connecting them, the fixed section and a segment of the body portion forming an opening through which articles may be scooped from a mass by that segment, and the movable section being arranged to close said opening but to swing inwardly to admit the scooped articles, and a carrying handle affixed to the body portion and located diametrically opposite the scooping segment, and one of said end walls having a restricted opening and a spout for discharging the contents.

2,344,508
MEASURING DEVICE
Alvin F. Groll, Cleveland, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application May 30, 1942, Serial No. 445,170
7 Claims. (Cl. 33—132)



1. A measuring device for sheet metal comprising combined indicator and measuring means adapted to be set at the beginning of a series of operations and to be returned to starting position automatically after each individual operation, means independent of the sheet feeding drive for rotating said measuring means, a rotatable member for transmitting the drive from said independent driving means to said measuring means, and a means mounted on said rotatable member and being adapted to engage an element forming a connection with and being driven by the sheets fed through the device whereby said last mentioned means is enabled to control the rotation of said measuring means.

2,344,509
MULTIPLE TOOL HOLDER
Paul A. Guenther, Houston, Tex.
Application December 15, 1941, Serial No. 423,093
4 Claims. (Cl. 29—48)

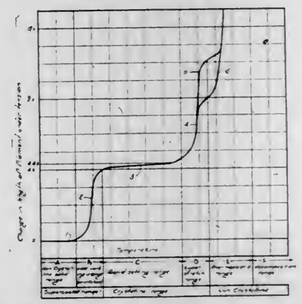


1. In a multiple tool holder, a block, means to secure the block to the slide rest of a lathe, said block having a neck and a spindle receiving bore passing through the neck, a tool-head having a spindle located in said bore and having an annular recess to fit over the end of said neck, said spindle having an annular locking groove wholly enclosed in said block and having an annular series of ratchet-recesses wholly enclosed in said block, means enclosed within a chamber in said block for holding said spindle against movement along its axis while leaving the spindle free to be turned, a longitudinally movable spring-pressed pawl carried by and wholly enclosed in said block to engage in said ratchet-recesses, a clamp shoe mounted in and enclosed by said block to engage said annular locking groove, and a screw plunger carried by the block to engage said clamp shoe to force it into holding engagement with the spindle.

2,344,510
PLANOGRAPHIC PLATE
William T. Hagelin, Chicago, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
No Drawing. Application September 1, 1939, Serial No. 293,084
15 Claims. (Cl. 101—149.2)

1. The method of forming a thin aluminum lithographic plate having a surface highly receptive to a greasy ink when dry and highly repellant to a greasy ink when dampened with a lithographic etch, including the steps of first uniformly wire brushing the surface to produce a relatively coarse lithographic grain, and subsequently dissolving portions of the grained surface whereby a fine lithographic grain is superimposed on a relatively coarse lithographic grain.

2,344,511
TREATMENT OF CRYSTALLINE VINYLIDENE CHLORIDE POLYMERS
Ernest H. Harder, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application April 17, 1941, Serial No. 388,970
8 Claims. (Cl. 18—54)

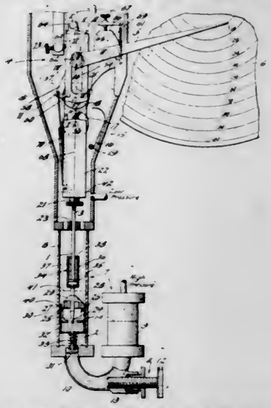


1. The method of treating a formed article of a crystalline vinylidene chloride polymer possessing orientation parallel to a major surface of the article which includes: heating said article to a temperature in the range between its softening point and a temperature about 50 centigrade degrees therebelow while applying tension short of the breaking load for said article until a permanent elongation is obtained.

2,344,512
FLUID METER
Paul Lanham, Lanham, Md.
Application December 15, 1939, Serial No. 309,486
35 Claims. (Cl. 73—205)

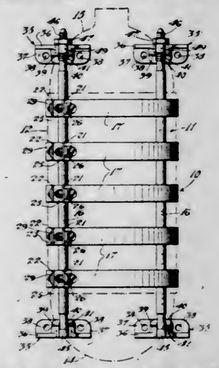
1. A meter including an indicator, a movable contact element variable with a quantity to be measured, a detector for cooperating with said contact, power operating means for moving the indicator limited by the movement of the de-

tector, and interacting operating means between said power means and the detector for squaring



the motion of the indicator and operating the detector in accordance with said squared movement.

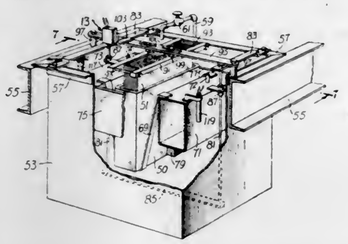
2,344,513
CYLINDER BRACKET
Daniel Mapes, West Caldwell, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application April 25, 1942, Serial No. 440,485
8 Claims. (Cl. 248—313)



2. A bracket for a substantially cylindrical container adapted to contain a fluid medium under high pressure, comprising a pair of spaced apart substantially parallel rods adapted to extend substantially lengthwise with respect to the container, a plurality of straps closely encircling the container and secured to said rods, the spacing of said straps being such that approximately one-half of the cylindrical surface of the container is protected thereby, and means for fastening the straps about the container, whereby said straps are adapted to hold the container in clamping relation to prevent the container from being torn apart when struck by gun fire or the like.

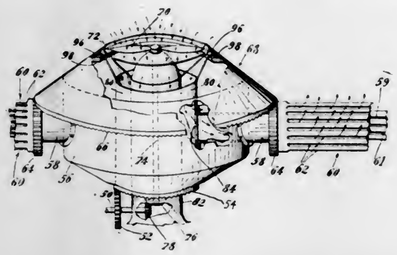
2,344,514
CRYSTALLINE FORMATION
Alvin M. Marks, Beechhurst, Long Island, N. Y.
Original application June 11, 1937, Serial No. 147,650. Divided and this application April 27, 1940, Serial No. 331,937
3 Claims. (Cl. 91—46)

1. An apparatus for coating a supporting medium comprising a first tank holding a coating solution, a second tank having a liquid therein, a float means positioned to float in the liquid in said second tank, said float means supporting said first tank, said first tank being thus movably supported within said second tank, means carried



by said second tank for supporting a supporting medium above said first tank, said supporting medium being partially immersed in the solution in said first tank, means for withdrawing liquid from said second tank at a uniform rate to lower the liquid level therein.

2,344,515
MEANS AND METHOD FOR INCREASING THE MAGNUS EFFECT
Henry P. Massey, New York, N. Y.
Application January 17, 1941, Serial No. 374,876
20 Claims. (Cl. 244—10)

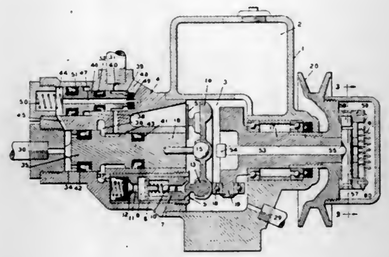


1. In a helicopter, the combination with an airfoil of a horizontally disposed hollow body arranged at the leading edge of the airfoil, said body having a surface to be reacted upon and rotating about a horizontal axis, said airfoil and body being arranged for revolution about a vertical axis, the surface of said body to be reacted upon having openings therein for the discharge of air therefrom, a rotating fan arranged at the end of the body opposite said vertical axis for concurrently causing revolution of said body and airfoil about the vertical axis and circulating air into said body for the discharge thereof from the openings in said reacting surface.

2,344,516
PROPELLENT POWDER
George A. McBride, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
No Drawing. Application November 5, 1934, Serial No. 751,584
14 Claims. (Cl. 52—22)

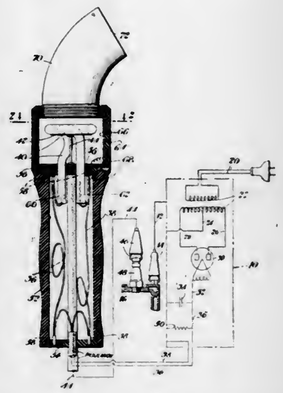
1. In the art of making propellent powders, the process comprising, treating nitrocellulose powder grains while suspended in water with a solution of nitroglycerine and a deterrent.

2,344,517
ADJUSTABLE STROKE PUMP
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 8, 1942, Serial No. 446,187
11 Claims. (Cl. 103—173)



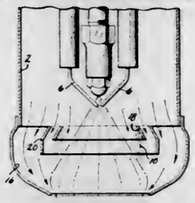
1. In a pump of the swash plate type, a plurality of reciprocable circumferentially spaced pistons, a swash plate pivotally mounted at its center and connected to the pistons adjacent its periphery, a rotatable driving member for the swash plate, means for moving the pivot of the swash plate from a position where the swash plate is not actuated by its driving member to an actuated position, a stop for limiting the movement of the swash plate, and means for adjusting the position of the stop.

2,344,518
HIGH POWER NEON TIMING LAMP
John D. Morgan, South Orange, and Eugene C. Lang, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application August 19, 1941, Serial No. 407,458
8 Claims. (Cl. 176—122)



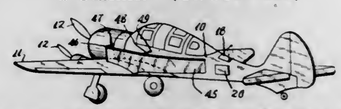
6. In a stroboscopic lamp, a cylindrical illuminating head portion including a neon-filled lighting tube mounted therein, and a solid methyl methacrylate plastic lens secured into one end of the head over the tube, said lens being of substantial length and being curved into an arc of approximately 30° with respect to the axis of said head.

2,344,519
APPARATUS FOR BURNING OIL
Theodore Nagel, Brooklyn, N. Y.
Application December 27, 1941, Serial No. 424,589
2 Claims. (Cl. 158—76)



1. An oil burner comprising in combination an oil atomizer, a tube for combustion air surrounding and spaced from the atomizer and extending beyond the discharge end of the same, said tube beyond the discharge end of the atomizer gradually decreasing in diameter to provide a discharge throat of less diameter than the main body of the air tube, an annulus wholly in front of and concentric with the atomizer disposed within the air tube and spaced from the wall thereof, the wall of said annulus terminating short of the throat end of said air tube and flaring outwardly away from the axis of said atomizer, a second annulus intermediate said first annulus and said air tube and spaced from both, the wall of the second annulus flaring outwardly of the burner axis and terminating in a throat intermediate the outer ends of the first annulus and said air tube, the diameter of this throat being not less than the diameter of the said air tube discharge throat.
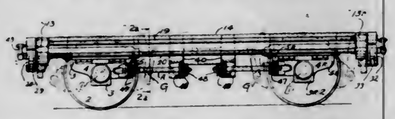
2,344,520
AIRPLANE AIR BRAKE
Joseph M. Olaszy, Bronx, N. Y., assignor of twenty-five per cent to Joseph Varro, ten per cent to Franz Magyarits, and five per cent to Ernest Goldman, all of New York, N. Y.
Application September 9, 1940, Serial No. 355,959
2 Claims. (Cl. 244—113)



1. In an airplane having a fuselage formed adjacent its rear end with a vertical air passage having side passages disposed on each side of said fuselage, said passages communicating with said vertical passage, and doors for closing the outer ends of said vertical passage and said side passages, means pivotally mounting said doors on said fuselage at the back of the open ends of said passages, means for extending said doors at right angles from the back of said passages for catching and directing air currents passing rearwardly along said fuselage and into the open ends of said passages, a vertical fin mounted on each side of said fuselage for directing air currents passing rearwardly along said fuselage towards the doors which extend from the openings of said side passages, each of said fins extending from a point adjacent the propeller blades and in the path of the propeller blast to a point adjacent the open ends of said side passages, said mounting for said fins, comprising vertical pivot pins upon which the front ends of said fins are mounted, means supporting said pivot pins spaced from the sides of said fuselage and thereby maintaining said fins in a vertical plane in spaced relationship with respect to said fuse-

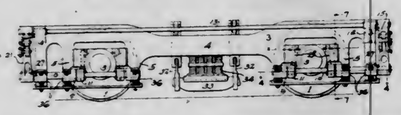
lage, means for holding the rear edges of said fins adjustably spaced from the sides of said fuselage about the pivoted front ends, said latter means comprising bars having their outer ends pivotally attached to said fins intermediate of their ends, said bars having their inner ends slidably extended through the side walls of said fuselage and projected to the interior thereof, and manually adjustable means within said fuselage for holding said bars fixedly in various extended positions to hold said fins in various pivoted positions.

2,344,521
RAILWAY TRUCK
William H. Meyer, St. Louis, and Edwin C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application December 9, 1940, Serial No. 369,190
22 Claims. (Cl. 105—182)



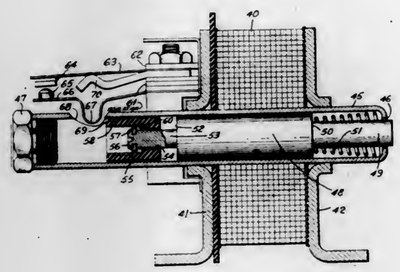
1. In a railway truck, spaced axles, wheels fixed thereon, individual journal boxes rotatably receiving said axles, individual shafts journalled in said journal boxes, links suspended from each of said shafts at opposite sides of the corresponding journal box, a truck frame extending over said axles, torsion rods extending longitudinally of the same side of the truck frame and journalled in said frame, means at each end of the truck holding the adjacent end portion of one of said rods against rotation in said frame, cranks on the other ends of said rods, and an individual linkage connecting the outer end of each crank to the adjacent journal box shaft links whereby said frame is supported on said boxes through the yielding resistance to torsion offered by said rod.

2,344,522
RAILWAY TRUCK
Harry M. Pflager, St. Louis, and Edwin C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application December 9, 1940, Serial No. 369,206
19 Claims. (Cl. 105—182)



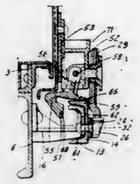
1. In a railway truck, a wheeled axle, a journal box on said axle, links pivotally suspended at their upper ends from said box, a truck frame including a wheel piece positioned directly over said box and including a pedestal slidably receiving said box, and a torsion rod extending longitudinally of the truck and spaced from said wheel piece transversely of the truck and journalled on said frame and having a crank arm at one end portion with its outer end anchored to the swinging lower ends of said links, the opposite end portion of said rod being held against rotation relative to said frame, whereby said frame is spring supported from said box by the yielding of said rod to torque.

2,344,523
ELECTRIC BELL
Lewis J. Stern, Adrian, Mich., assignor, by mesne assignments, to Schwarze Electric Company, Chicago, Ill., a limited partnership of Illinois
Application October 2, 1941, Serial No. 413,268
2 Claims. (Cl. 177—7)



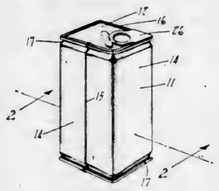
1. A switch for an electric bell of the plunger type comprising a solenoid, a plunger therefor formed with concentrically disposed members of smaller cross-section projecting from opposite ends thereof, one of said members being a bell striking member, a tube in which the plunger is free to reciprocate provided at one end with a co-axially formed opening smaller in size than the bore of said tube through which opening the bell striking member reciprocates, a compression spring disposed on the last-mentioned member between said plunger and the end of said tube for returning said plunger to an initial position, a switch operating member comprising a loose fitting sleeve of insulating material disposed within said tube on the other of the members projecting from said plunger, stop means on said member limiting the relative axial movement of the plunger in respect to said insulating sleeve whereby said sleeve is loosely coupled to said plunger, an opening formed in one side of said tube overlying said sleeve when the plunger is in its initial position, a pair of co-operating contact members, tensioned so as to tend to open, adapted to be connected in a vibrating circuit for said solenoid, insulated means for supporting said contact members outside of said tube and out of contact therewith, a loop substantially U-shaped formed in one of said contact members depending through the opening in said tube and engaging the side of said sleeve when said sleeve and plunger are in their initial positions, the sleeve holding the contacts in engagement with each other whereby the operating circuit for said solenoid is closed through said contact members, the arrangement being such that if the contact members are connected in an energizing circuit for the bell, the plunger will be moved by said solenoid compressing said spring and after the plunger has moved a predetermined distance the stop means on said member will engage said sleeve and withdraw the latter from under the depending loop of said contact spring permitting the contact springs to open thus breaking the solenoid circuit, whereupon the spring returns the plunger to its normal position and after the latter has moved a predetermined distance it engages the contact sleeve carrying the latter along until the sleeve again engages the contact loop, closing the contacts and the energizing circuit for the solenoid.

2,344,524
DOORSTOP
James S. Swann, Homewood, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application December 26, 1941, Serial No. 424,431
23 Claims. (Cl. 20—22)



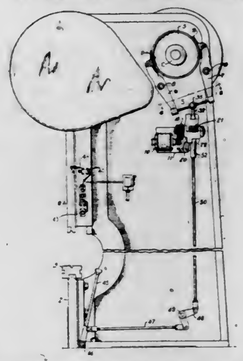
23. Means to prevent horizontal opening movement of a railway car door supported by rollers upon a horizontal track provided with depressions arranged to receive the rollers in a predetermined position of the door, means to impart horizontal opening movement to the door, and means adapted to positively prevent the door from moving upwardly sufficiently for the rollers to rise out of the depressions and thereby prevent horizontal opening movement of the door, said last mentioned means being released by engagement with said means to impart horizontal opening movement to the door upon initial movement thereof.

2,344,525
CONTAINER
Russell C. Taylor, Greenwich, Conn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 28, 1941, Serial No. 395,663
1 Claim. (Cl. 229—5.6)



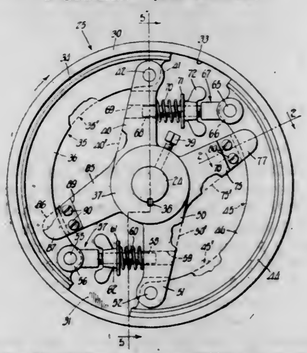
A rectangular fibre container for liquids comprising a tubular fibre body and a substantially flat bottom end member adhesively secured to folded end portions of said body, said body having a portion adjacent the bottom end thereof bent obliquely inwardly to form a rigid supporting truss portion and thence outwardly at an acute angle to said body portion to form a rigid angular support ledge for the marginal edges of said bottom end member, terminal edges of said body being bent outwardly and thence inwardly over the marginal edges of said flat end member in a leak-proof end seam joint, said joint being disposed closely adjacent and at an acute angle to said obliquely bent truss portion and angularly disposed relative to the horizontal plane of said bottom end member so as to resist tearing apart of the joint under the action of bowing of said flat end member and to direct the disruptive lines of force lengthwise of the joint and into said truss portion, thereby preventing separation of the joint parts and producing a stronger junction of body and end member.

2,344,526
BRAKE AND CLUTCH OPERATING MECHANISM
Larkin R. Williamson, Brooklyn, N. Y., assignor to E. W. Bliss Company
Application February 5, 1941, Serial No. 377,505
14 Claims. (Cl. 192—144)



1. In a metal working tool comprising a die and ram cooperating in the working of said metal, and power means to reciprocate said ram, a clutch and brake mechanism for connecting said ram to and disconnecting it from said power means respectively, said clutch and brake mechanism comprising as a control element, a reversible torque motor characterized by an ability to be stalled under load without damage to the parts thereof, a shaft and a gear thereon driven from said motor, an arm pivotally carried concentric with said shaft, a gear sector pivotally carried by said arm, a pinion carried by said shaft in mesh with said gear sector and, linkage connecting said gear sector and said clutch mechanism to drive said clutch on rotation of said motor.

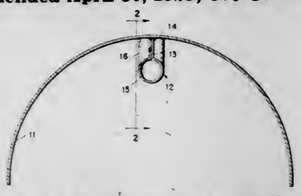
2,344,527
FRICTION CLUTCH
Erich R. Zademach, Elizabeth, and William W. Clarke, Summit, N. J., assignors, by mesne assignments, to Metalwash Machinery Company, Newark, N. J., a copartnership
Application July 26, 1941, Serial No. 404,126
9 Claims. (Cl. 64—30)



3. A shaft drive construction comprising a drive member rotatively mounted coaxially with the shaft, a concentric drum structure having a drive connection with said member, and a drive unit on the shaft located within and in frictional engagement with the drum structure, the drive unit including a hub on the shaft, opposed

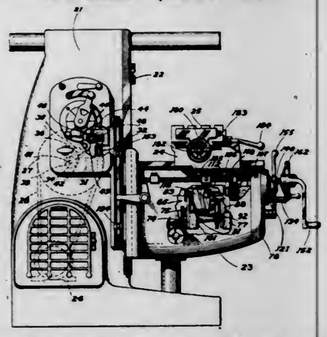
arcuate friction shoes normally maintained in internal frictional engagement with the drum structure, supports on the hub for the shoes each pivotally engaging an end portion of a shoe, and spring members each connected to the hub and bearing outwardly against the other end portion of a shoe.

2,344,528
MATERIALS-CONVEYING FLUE
Clarence M. Asbill, Jr., New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application March 29, 1943, Serial No. 480,947
3 Claims. (Cl. 302—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



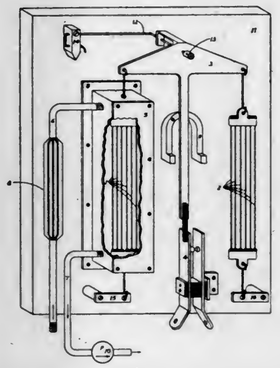
1. An air blast conveyor flue having a longitudinally extending fin attached to its inner surface and extending radially inwardly thereof, the free edge of said fin being provided with a rounded bead.

2,344,529
MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application September 21, 1940, Serial No. 357,671
8 Claims. (Cl. 90—21)



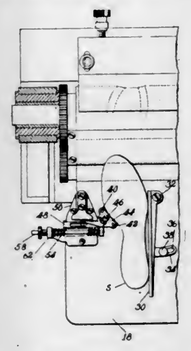
1. A milling machine comprising a column, a hollow knee slidably mounted on said column, a work supporting table carried by said knee, a bracket removably mounted on said hollow knee, an infinitely variable friction drive speed changing mechanism mounted on said bracket in manner to be housed within said hollow knee, selective work support moving trains mounted on said bracket and operatively connected to be driven by said friction drive mechanism, said drive mechanism and connected trains being removable from said knee as a unit with said bracket, and means to drive said friction speed changing mechanism for actuating said work supporting table in a direction selected by adjustment of said support moving trains and at a rate selected by adjustment of said mechanism.

2,344,530
HUMIDITY CONTROLLER
John D. Askew, Atlanta, Ga.
Application August 10, 1942, Serial No. 454,254
15 Claims. (Cl. 236—44)



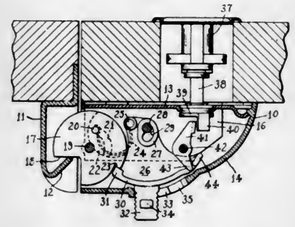
6. A differential humidity control including, in combination, a first humidity responsive device exposed to a first gas, a second humidity responsive device, means to subject said second humidity responsive device to a second gas, means to adjust the temperature of the second said humidity responsive device to substantially that of the first said gas and means interconnecting said two humidity responsive devices adapted to effect a control operation in response to a difference in the respective humidities of the two gases.

2,344,531
SOLE POSITIONING DEVICE
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 21, 1942, Serial No. 459,160
9 Claims. (Cl. 12—17)



1. A device for gaging a sole longitudinally in relation to the curvature of one of its edges, comprising a mechanism engageable progressively with different portions of the edge of a sole and responsive to the local direction of an edge of the sole as the sole edge progresses relatively to said mechanism, means for yieldably holding said direction-responsive mechanism against the edge against the pressure of said direction-responsive of the sole, positive means for holding the sole mechanism, and means actuated by said direction-responsive mechanism for holding the direction-responsive mechanism against further yielding when a predetermined direction of the sole edge has been reached, thereby preventing further relative progress of the sole and thus stopping the sole in its gaged position.

2,344,532
DOOR LATCH
Sigurd Brantingson, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application September 9, 1942, Serial No. 457,700
7 Claims. (Cl. 292—198)



5. A latch structure comprising a casing, a bolt rotatably mounted therein and provided with an opening to engage the latch strike, said bolt occupying one position when the door is open and another position rotatably displaced from the first when the door is closed, and a dogging member pivotally mounted in the casing and movable to position to engage and dog the bolt when the door is closed, said pivotal mounting consisting of a pin and slot connection whereby the dogging member may be moved bodily relatively to its pivot to an inoperative position.

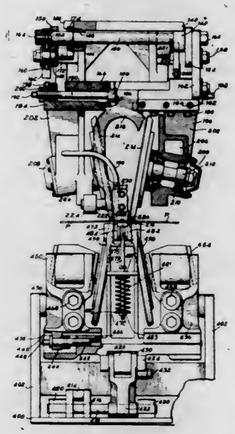
2,344,533
CASTING ROD
Leonard Bruce, New Castle, Ind.
Application May 1, 1943, Serial No. 485,349
4 Claims. (Cl. 43—19)



1. A fishing pole comprising a tubular rod, a handle on one end portion of said rod, an arm hingedly mounted on the other end of the rod, a member operable in the rod and pivotally connected to the arm for actuating same in one direction, and a coil spring in the rod operatively connected to said member for actuating same.

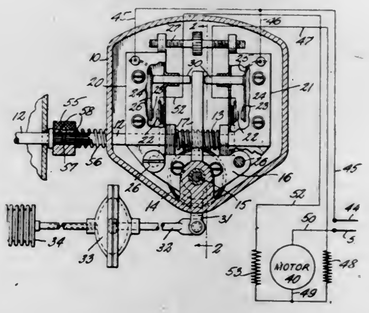
2,344,534
METHOD OF AND APPARATUS FOR STRIP WELDING
James H. Bucknam and Alfred J. Miller, Cranford, and Stanley H. Royer, Elizabeth, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application February 3, 1938, Serial No. 188,468
15 Claims. (Cl. 113—59)

1. Welding apparatus including, in combination, a carriage; means for moving said carriage along the juxtaposed edges of adjacent metal sheets; a welding blowpipe mounted on said carriage; a presser foot on said carriage engaging said sheets in advance of said blowpipe; bearing housings on said carriage; a roller mounted in



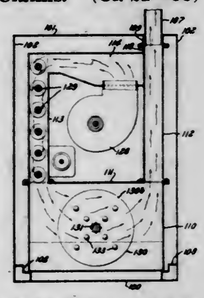
each housing and engaging said sheets adjacent said blowpipe; and a water spray block mounted on said carriage behind said blowpipe.

2,344,535
AUTOMATIC CONTROL MECHANISM
Frederick G. Clark, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.
Application August 1, 1942, Serial No. 453,183
18 Claims. (Cl. 236—74)



3. In a control apparatus including a reversible motor which by forward and reverse operations effects opposite actions of a control element, and two electrical switches and connections one for causing forward operation and the other reverse operation of said motor, the improved construction comprising a switch actuating member which normally holds said switches open against opposing force tending to close said switches, thermoresponsive means which act upon a rise in temperature to actuate said member to retain one of said switches open against the action of said closing force and to close said other switch to start said motor and which act upon a fall in temperature to actuate said member to retain said second switch open against the action of said closing force and to close said first switch to cause reverse operation of the motor, and means driven by said motor which shifts said switches bodily relatively to said actuating member for opening each switch to stop the motor after said switch has been closed by said actuating member.

2,344,536
SPACE STERILIZATION
Stewart C. Coey, Glen Ridge, and Joseph W. Spiselman, Middlesex Borough, N. J., assignors to Research Corporation, New York, N. Y., a corporation of New York
Application April 5, 1943, Serial No. 481,918
7 Claims. (Cl. 21—53)



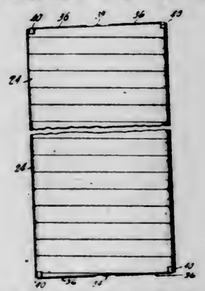
1. A method of sterilizing air which comprises contacting a minor portion of the air to be sterilized with an extended surface of triethylene glycol at a temperature of from 150° F. to 250° F. and mixing said minor portion of the air with the remaining portion of the air to be sterilized.

2,344,537
PILE FABRIC
Ralph R. Cone, Augusta, Ga.
Application November 27, 1943, Serial No. 512,035
9 Claims. (Cl. 154—2)



9. A pile fabric containing a sheet of fabric backing having bonded together therewith, by an adhesive, at their outer edges, a plurality of adjacent narrow strip elements, each of said elements comprising textile filaments, each of which is substantially U-shaped, having parallel portions, and having a connecting loop therebetween, and each of said elements having a row of stitching adjacent the loops of said filaments passing only through the textile filaments near the bonded edge thereof.

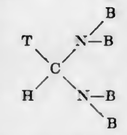
2,344,538
TUBULAR BODY
Edward Chase Crowley, Rhinebeck, N. Y.
Application February 7, 1942, Serial No. 429,861
8 Claims. (Cl. 220—75)



1. An article of manufacture comprising a tubular body portion and an end closure therefor, said tubular body portion being formed of strip metal spirally wound and secured at the edges thereof in a spiral interlocked seam, said end closure comprising a closure membrane having a flange disposed about the periphery thereof and an exterior reinforcing member positioned outwardly of said membrane and formed with a web spaced outwardly from said membrane and positioned in a plane perpendicular to the axis of the tubular structure and with a flange extending inwardly to said membrane, said reinforcing member being secured at an end thereof to the said flange of said membrane, said end closure including also an interior reinforcing band extending around the interior of the end of said tubular body portion and of a variable height corresponding to the distance between the last convolution of the seam and the end of the tubular body.

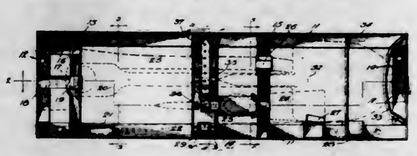
2,344,539
SALTS OF CERTAIN METHYLENE DIAMINES WITH CERTAIN PETROLEUM SULPHONIC ACIDS
Melvin De Groote, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd., a corporation of Delaware
No Drawing. Original application May 12, 1939, Serial No. 273,221. Divided and this application June 17, 1941, Serial No. 398,494
3 Claims. (Cl. 260—490)

1. A new compound consisting of a water-insoluble salt of a basic, methylene diamine of the formula type:



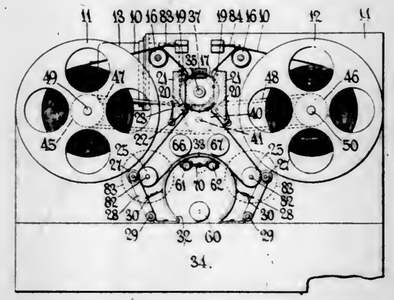
in which T is selected from the class consisting of hydrogen atoms, hydroxy alkyl radicals and aliphatic hydrocarbon radicals and B is selected from the class consisting of aliphatically-bound hydrocarbon radicals, alicyclic hydrocarbon radicals, aliphatic hydrocarbon radicals interrupted at least once by an oxygen atom, aliphatically-bound hydroxy hydrocarbon radicals, hydroxy alicyclic radicals, and radicals obtained by the acylation of a hydroxy hydrocarbon radical in which the acylating compound is derived from an acid containing not more than 32 carbon atoms, at least one of the radicals represented by B being such an acylated hydroxy hydrocarbon radical; said diamine salt being obtained from water-soluble, non-hydrophobe petroleum sulphonic acid of the green acid type.

2,344,549
TOOL RACK
Charles G. Dowd, Baltimore, Md.
Application ~~August 9, 1941, Serial~~ No. 406,221
2 Claims. (Cl. 211—60)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



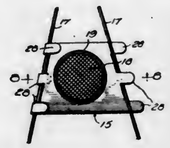
1. A tool rack comprising a rectangular frame made of angle iron, said frame being provided with angle irons and channels positioned transversely of said frame for strengthening said frame, retaining means positioned on said transverse angle irons and channels for retaining a tool in said frame, said means including straps for fastening said tool against movement in said frame, an arched rod secured to one end of said frame adapted to receive a shovel blade, and a bracket on a transverse angle iron at the opposite end of the frame adapted to support a shovel handle.

2,344,541
ADVERTISING APPARATUS
Leo F. Ferris, Buffalo, Richard Sklaar, Rochester, and William E. Burau, Buffalo, N. Y.; said William E. Burau assignor to said Leo F. Ferris and Richard Sklaar
Application February 10, 1942, Serial No. 430,256
4 Claims. (Cl. 179—100.3)



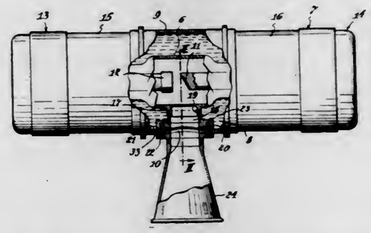
1. Advertising announcement apparatus for cooperation with a photographic film sound record bearing parallel sound tracks extending in opposite directions thereon, a pair of reels each engaging an end of said film, sensing means disposed between said reels for reproducing the sound recorded on the sound tracks, means for driving the film past said sensing means in either direction for reproducing the record of either of the sound tracks, and means sensitive to the direction of movement of the film for rendering the sensing means sensible to the proper one of the two sound tracks.

2,344,542
BICYCLE REFLECTING ELEMENT
Harry S. Fike, Miami Beach, Fla.
Application March 20, 1941, Serial No. 384,400
7 Claims. (Cl. 88—81)



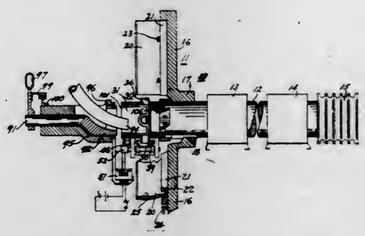
5. In combination with a pair of radially diverging wheel spokes, a light reflecting assembly therefor comprising a light reflecting element and a support therefor, said support comprising a plate having sides and ends constructed and arranged to be bent over and clamp said element, and a set of flexible tongue members integral with said plate and parallel to and arranged to be bent over each of said spokes to prevent radial movement of said assembly.

2,344,543
RE-ENTRANT WINDOW FOR X-RAY APPARATUS
John H. Findlay, Upper Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1942, Serial No. 429,046
5 Claims. (Cl. 250—89)



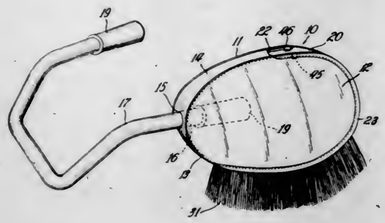
1. A shockproof X-ray unit comprising a metallic X-ray-opaque metal casing provided with an X-ray-pervious window, an X-ray tube enclosed within said casing and provided with a cathode and an anode which becomes heated during operation, said anode being arranged to emit X-rays in a path extending laterally through the walls of said tube and defined by said window, a body of cooling and insulating fluid in said casing and immersing said X-ray tube, and means hermetically sealed to said envelope and secured fluid-tight to said casing to exclude said fluid from said path of X-ray emission.

2,344,544
BLASTING MACHINE
Julius E. Foster, Washington, D. C.
Application April 25, 1942, Serial No. 440,525
9 Claims. (Cl. 51—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



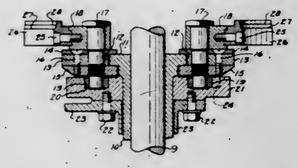
1. A blasting machine, comprising a rotor having a plurality of radial slinger blades, spaced to provide a central concentric opening; an abradant distributor in said central opening comprising a concentric cylinder fixed to rotate with the rotor and having peripherally spaced transfer openings adjacent the regions of the inner ends of the blades; a conduit extending through each transfer opening and a short distance beyond the outer plane of the cylinder; a bucket pivotally supported on the outside of the cylinder in position to surround and close the outer end of the conduit to control receipt of abradant material from the conduit; means for supplying abradant material to the cylinder; and means for tipping the bucket to discharge some of the abradant to the slinger blade.

2,344,545
GAUNTLET FOR HANDLE BAR GRIPS
Robert H. Harder, Chicago, Ill.
Application October 9, 1940, Serial No. 360,382
8 Claims. (Cl. 2—17)



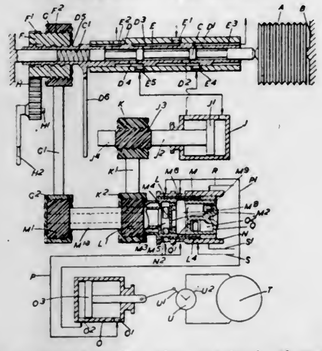
1. In a handle bar gauntlet, an elongated cuff having a front end opening for receiving a section of said handle bar and a rear end access opening, cuff support means within said cuff and for attachment upon said handle bar, and said cuff comprising opposed generally upright side wall sections depending from said support means at their upper edges, the lower edges of said side wall sections being freely depending at least along the rear portions thereof to provide a narrow forward extension of said access opening.

2,344,546
APPARATUS FOR APPLYING TOPS TO CAN BODIES
Frank Krueger, Milbrae, Calif., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application March 5, 1940, Serial No. 322,327
4 Claims. (Cl. 113—113)



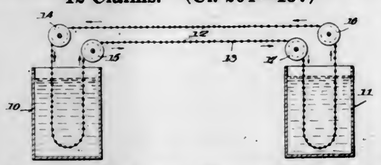
1. In an apparatus for applying tops to can bodies, a transfer mechanism for delivering cans and tops from a feeding turret to a seaming turret, said mechanism comprising a revoluble dial member having a multiplicity of circumferentially spaced brackets thereon, means on said brackets for supporting a can body and top in spaced alignment with each other, pins passing through said dial and mounted thereon for substantially radial movement relative thereto, said brackets being pivoted on said pins for movement in a plane parallel with said dial, a grooved cam beneath said dial member and a cam follower carried by each of said pins and engaging said cam groove for moving each of said pins and brackets substantially radially outwardly of said dial at a predetermined point in the revolution of the dial, and means on the dial engaging the brackets only when said brackets are in their inner position to prevent pivotal movement of the brackets, said brackets moving out of contact with said engaging means as the brackets are moved outwardly to permit said brackets to pivot about said pins.

2,344,547
APPARATUS FOR THE CONTROL OF MECHANISM
Frank Bernard Halford, Edgware, and Percy John Wallace, Harrow Weald, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application September 14, 1942, Serial No. 458,276
In Great Britain October 13, 1941
18 Claims. (Cl. 121—41)



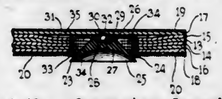
1. In apparatus for the control of mechanism the combination of a pressure-sensitive capsule, a servomotor actuated by liquid under pressure, a valve controlling the flow of pressure liquid to this servomotor, means by which this valve is actuated by the said capsule, a movable member in which are the ports controlled by the said capsule-actuated valve, means for moving this ported member and thereby altering the position of the ports therein in relation to the said servomotor valve, mechanism operated by liquid under pressure, two valves which cooperate and together control the flow of pressure liquid for operating this mechanism, means for moving the first of these cooperating valves by the said servomotor, and means for moving the second of the said cooperating valves, such means being connected with the said means for moving the said ported member.

2,344,548
METHOD AND APPARATUS PROVIDING A CONTINUOUSLY EFFECTIVE SOURCE FOR OLIGODYNAMIC STERILIZATION
Alexander Goetz, Pasadena, Calif., assignor to Sunshine Mining Company, Yakima, Wash., a corporation
Application February 6, 1940, Serial No. 317,606
12 Claims. (Cl. 204—137)



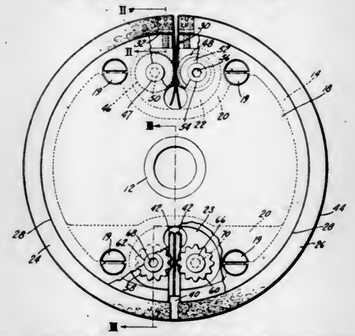
2. A method of oligodynamic sterilization of liquids by contact therewith of an oligodynamic metallic substance having the required degree of oligodynamic activity and tending to lose that degree of oligodynamic activity by use of the substance in the treatment of the liquid and capable of reactivation, said method comprising assembling and maintaining a plurality of separate formed masses of said metallic substance in successive order in an endless curvilinear series of said masses, imparting simultaneous and equal rates of movements in constantly recurring cycles to each of said masses in the endless path defined by said endless series of masses, subjecting said liquid to contact at all times during said recurring cycles of movement of said masses with a mass of said substance in a portion only of said endless path of movement of said masses, and subjecting said masses of said substance in succession to reactivating treatments at a point in their recurring cycles of movement out of contact with said liquid.

2,344,549
PAD
Charles W. Greenhill, Brooklyn, N. Y.
Application March 28, 1941, Serial No. 385,596
5 Claims. (Cl. 45—68.4)



1. A pad of the character described comprising a plurality of layers of a sheet-material of substantial strength, one of said layers having an aperture and one of said layers being imperforate, and an anchoring unit including a flat plate larger than said aperture and a suction cup permanently secured to said plate, said suction cup projecting through said aperture, said plate being disposed between said imperforate layer and said apertured layer, said plate having integral means for centrally locating said cup in said aperture.

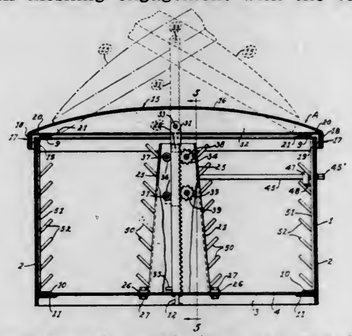
2,344,550
ABRADING TOOL
Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 7, 1942, Serial No. 461,146
4 Claims. (Cl. 51—194)



1. In a finishing tool having a cover-securing device of the type wherein a cover is secured between a pair of tightening rolls, a bearing for one of the tightening rolls, said bearing having an axle extending eccentrically from one of its ends, and a support in which said axle is rotatably mounted to enable the roll carried by said bearing to be adjusted toward and from the other roll.

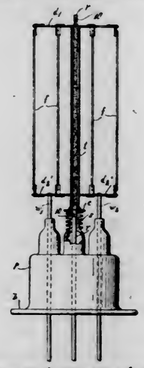
2,344,551
TRAILER
Walter A. Heinrich, Richmond Heights, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application March 7, 1941, Serial No. 382,135
3 Claims. (Cl. 296—100)

1. A vehicle comprising a body portion which provides a receptacle for articles to be transported and which is open at its top, a closure for the open top of said body portion, said closure being adapted for vertical movement with respect to said body portion, and means for subjecting said closure to vertical movement relative to said body portion so as to dispose said closure in a lowered position where it closes the open top of said body portion or in an elevated position where access may be had to the interior of the body portion through the open top thereof, said movement-imparting means including a plurality of rack bars arranged within said body portion, means for guiding said rack bars for maintained straight-line vertical movement, pinions adapted for rotation in meshing engagement with the teeth of



said rack bars for subjecting said rack bars to vertical movement, means operable from the exterior of said body portion for rotating said pinions and means for pivotally connecting the upper portions of said rack bars to said closure at the approximate transverse center of said closure whereby said closure may be moved pivotally about said pivot means when in an elevated position to dispose said closure in different positions relative to the top of the body portion where one or the opposite side of the closure is supported by the top of the body portion and the closure extends upwardly at an angle relative to the top of the body portion from its side so supported.

2,344,552
ELECTRIC DISCHARGE DEVICE
William John Knochel, Irvington, and Sidney John Cherry, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 7, 1942, Serial No. 429,866
4 Claims. (Cl. 250—27.5)



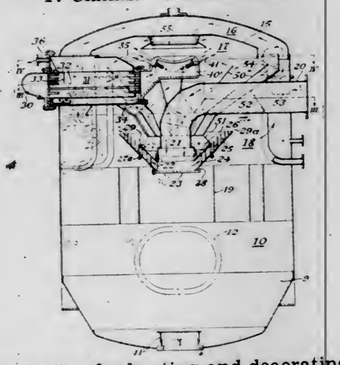
4. A filament support means including a spring urged metallic tubular member slidably sustained

on a metal rod having a diameter closely approximating the inside diameter of the said tubular member, means to lower the coefficient of friction between the slidably contacting metal surfaces, said means consisting of a loosely adherent film layer of a compound of the group including the sulfide, selenide and telluride compounds of the metals tungsten and molybdenum and amorphous boron carbide, the said film layer being on at least one of the said slidably contacting metal surfaces.

2,344,553
PROCESS FOR THE PRODUCTION OF META-TITANIC ACID
Eric C. Loth, Elizabeth, and Carlton S. Inscho, Livingston, N. J.
No Drawing. Application April 24, 1940, Serial No. 331,420
11 Claims. (Cl. 23—202)

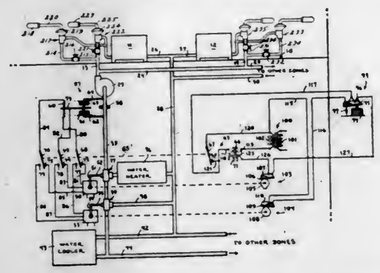
1. A method for recovering meta-titanic acid from ilmenite or other titaniferous ore, comprising digesting the ore with concentrated sulphuric acid in a closed vessel at temperatures above the atmospheric boiling point and under pressure, dissolving in water and filtering the digested mass, hydrolyzing the resulting titanium solution in the presence of sodium chloride and water, washing the then resulting product, dewatering the said product, dissolving the dewatered product in concentrated sulphuric acid, adding sodium chloride to and diluting the resulting liquid with water, and hydrolyzing the said liquid.

2,344,554
DEAERATION OF LIQUIDS
John R. McDermet, Hempfield Township, Westmoreland County, Pa., assignor to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Refiled for abandoned application Serial No. 337,645, May 28, 1940. This application September 5, 1941, Serial No. 409,740
17 Claims. (Cl. 183—2.5)



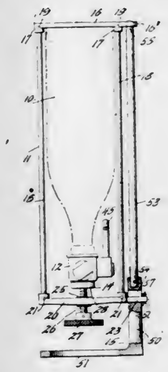
1. Apparatus for heating and deaerating water in a deaeration chamber comprising, means for introducing water to be heated and deaerated into the chamber, a mixer supplying steam to the chamber and having a pair of upwardly and outwardly extending spaced-apart wall portions, at least one of said wall portions being adapted to receive water introduced into the chamber, at least one partition operably positioned to extend along at least a portion of the spacing between said pair of wall portions, and means for introducing steam as well as water received by said above-mentioned wall portion into a heating and deaerating relationship along both sides of said partition.

2,344,555
HEATING AND COOLING SYSTEM
William L. McGrath, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 31, 1941, Serial No. 425,049
7 Claims. (Cl. 257—4)



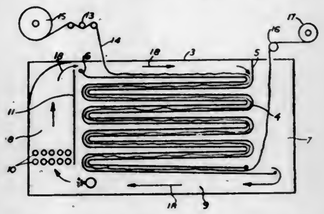
1. In apparatus of the character described, in combination, a water circulating system, heating means and cooling means for the water, a valve controlling the temperature of the water when heating is required of the system, a valve controlling the temperature of the water when cooling is required, condition responsive means for automatically controlling the valves, means for automatically shifting control from one valve to the other depending upon outdoor temperature, and control means operated as a result of valve movement for preventing a shift to one valve until the other valve is in its minimum position.

2,344,556
DISPENSER
Robert E. Manley, York, Pa.
Application October 10, 1940, Serial No. 360,668
4 Claims. (Cl. 225—22)



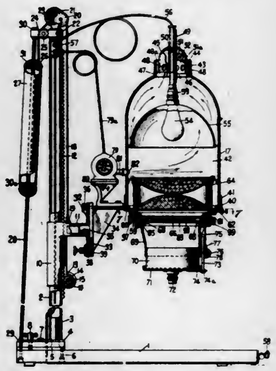
1. In combination, a base for supporting an erect bottle on a substantially horizontal surface such as a table top, vertical members extending from the base on opposite sides of the bottle, an assembly including a manually operated clamp connecting the tops of the vertical members to form a frame whereby a bottle having a valve loosely seated on its open top may be clamped in the frame to form a unit structure for convenient handling, and means independent of said unit structure for supporting the unit in inverted position.

2,344,557
TREATMENT OF TEXTILE MATERIALS
Ralph James Mann and Robert Martin, Spondon, near Derby, and Wilfred Harmer, Whalley, near Blackburn, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 7, 1941, Serial No. 413,952
In Great Britain October 29, 1940
3 Claims. (Cl. 68—184)



1. Apparatus for the liquid treatment of textile fabrics in a continuous manner while in open width, comprising a covered tank provided with a smooth sinuous conduit, free of obstructions, through which the fabric can be passed in open width, said conduit having rounded bends being formed by a pair of suitably spaced and folded sheets extending from one side to the opposite side of the tank with their widths substantially perpendicular to the said sides, through the conduit in order to carry the fabric heating means for creating a flow of liquid through the conduit and a space for conveyance of the liquid from one end of the conduit to the other, said tank also being provided with apertures for admission of the fabric to and withdrawal of the fabric from the conduit, said apparatus including means for feeding a textile fabric in open width into one end of the conduit and means for withdrawing it from the other.

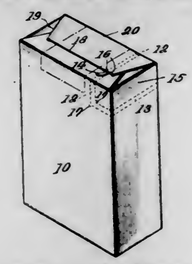
2,344,558
PHOTOGRAPHIC ENLARGER
Walter B. Moore, Coshocton, Ohio
Application July 22, 1940, Serial No. 346,727
3 Claims. (Cl. 88—24)



1. A photographic enlarger comprising a projecting unit, said projecting unit including a support, a ring carried by said support and secured thereto in fixed position, said ring having a horizontally disposed flange, a second ring disposed within the first ring and having a horizontal flange resting on the horizontal flange of the first ring, said second ring being free to rotate within the first ring, a negative holder and focusing lens unit carried by said second ring, a lens unit of cylindrical form resting on the horizontal flange of said second ring, and means for holding said lens unit in position on said ring.

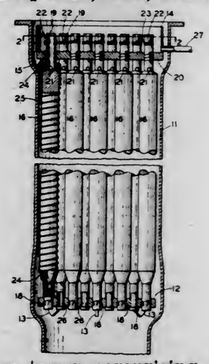
2,344,559
CARTON WRAPPER
Strother M. Newman, Staunton, Va., assignor of one-half to John A. Clemm, III, Staunton, Va.
Application October 7, 1941, Serial No. 413,988
7 Claims. (Cl. 229—51)

1. A wrapper for cartons or the like, comprising a thin sheet of soft, weak, fibrous material, and a ripping cord secured thereon adjacent its edge and laid out in generally U-shape with the yoke disposed innermost, weakened portions being provided in the sheet close to and on both



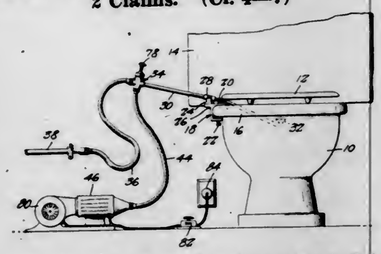
sides of said ripping cord adjacent bends in the latter, said ripping cord being provided with a tab portion forming a prolongation of one leg thereof, and extending beyond the margin of said sheet.

2,344,560
FRACTIONATING COLUMN AND SCRUBBING TOWER
Samuel Palkin, Washington, D. C., and Stanley A. Hall, Arlington, Va.
Application December 26, 1941, Serial No. 424,476
1 Claim. (Cl. 261—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



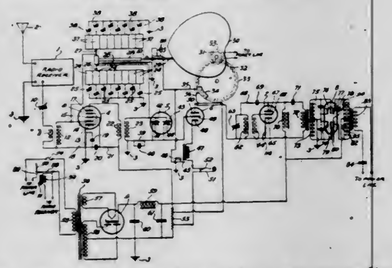
A rectifying tower comprising a plurality of vertical tubes, a housing for said tubes, a flow rod concentrically disposed in each of said tubes, there being spaces around said tubes and spaces between said tubes and rods for the passage of ascending vapors, basins above said rods and tubes, each having a reflux inlet, means for distributing liquid in one basin over the surfaces of said rods and for distributing liquid in the other basin over the outer surfaces of said tubes.

2,344,561
BIDET
Mike R. Popil, Cleveland, Ohio
Application December 12, 1942, Serial No. 468,783
2 Claims. (Cl. 4—7)



1. In a bidet, the combination of a toilet bowl having a seat, a clamp attached to the bowl, a member connected to the clamp for rotation about a vertical axis, a bearing sleeve connected to said member for rotation about a horizontal axis, a spray head located beneath the seat and having a conduit slidable in the bearing sleeve, fluid supply means, and a valve connecting said means with the conduit.

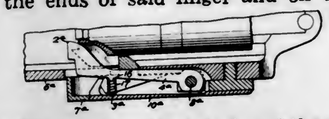
2,344,562
MULTIPLE UNIT RADIO RECORDER
John T. Potter, Brooklyn, N. Y.
Application May 18, 1940, Serial No. 335,886
3 Claims. (Cl. 234—1.5)



1. In a radio receiving system for recording the operation of a radio receiver, the combination of, a tunable signal amplifier, means for periodically tuning said amplifier to a number of predetermined signal frequencies including a motor-driven contactor for periodically contacting a plurality of contacts, and a plurality of tuning condensers connected to said contacts, an input circuit connected to the input of said amplifier and adapted to be connected to a signal carrying circuit of said radio receiver, an impulse signal generator for producing a marking signal for a remote recorder in response to selected signals traversing said amplifier, and means for disabling said generator during the cycle of operation of said contactor between the times of selected periods of contacting said contacts.

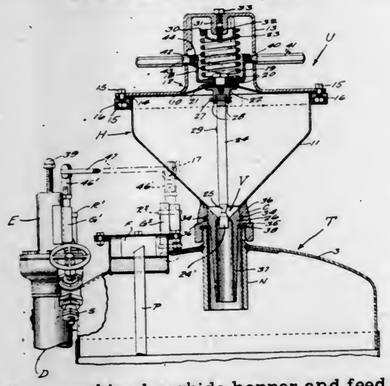
2,344,563
EJECTOR
Leon F. Punsalan, United States Army, Manila, P. I.
Application January 5, 1942, Serial No. 425,643
1 Claim. (Cl. 42—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a firearm having a receiver, a bolt reciprocable therein, a bolt stop on said receiver restraining the movement of the bolt in one direction and having a guide hole therethrough, cartridge ejecting means comprising an ejector finger having one end pivotally supported on the receiver, and having the other end protruding laterally through said bolt stop, a spring seat between the ends of said finger and on the face



thereof farthest from the interior of the receiver, and a helically coiled spring in the guide hole of the bolt stop with one end in engagement with said spring seat and the other in engagement with a relatively fixed element of the receiver mechanism, said spring yieldingly holding said other end of the finger in protruding position.

2,344,564
ACETYLENE GENERATOR
Willis G. Schepman, Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application November 28, 1941, Serial No. 420,746
19 Claims. (Cl. 48—53.3)

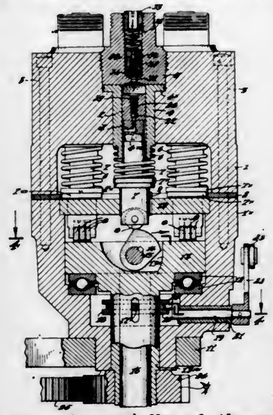


1. In a combined carbide hopper and feed control unit for an acetylene generator in which the flow of carbide out of the hopper is controlled by a carbide feed valve connected to a diaphragm which is subject on one side to the pressure of acetylene within the generator, the combination of a spring cup connected to the other side of said diaphragm, a spring seated in said cup and acting against said other side of said diaphragm in opposition to the pressure of acetylene within the generator, and means engageable with said cup, rotatable about the vertical axis thereof, and adapted to raise said cup and said diaphragm against the force of said spring, thereby to close said carbide feed valve.

2,344,565
FUEL INJECTOR FOR DIESEL ENGINES AND THE LIKE
Wallace J. Scott and Wallace J. Scott, Jr., White Plains, N. Y.
Application June 30, 1941, Serial No. 400,536
4 Claims. (Cl. 103—41)

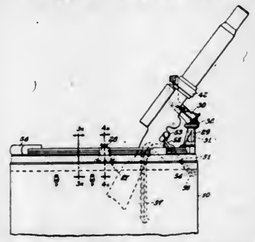
1. In injectors for Diesel engines, a plurality of injector cylinders arranged in an annular path, means for leading fuel oil to the injector cylinders, an actuating cam, a rotary carrier for said actuating cam, means for rotating the carrier to

bring the cam into successive engagement with the plungers, a shaft for the cam and rotatably carried by the cam carrier, and means for rotating said shaft during the rotation of the cam carrier, said means comprising a second shaft



mounted in and coaxially of the cam carrier, means intermediate the second shaft and the cam shaft whereby endwise movement of the second shaft will rotate the cam, and means operable during rotation of the cam carrier for imparting endwise movement to the second shaft.

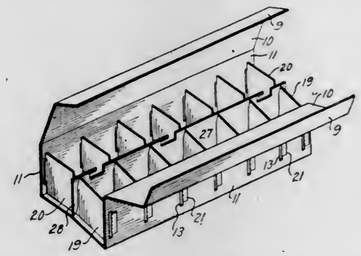
2,344,566
GUN MOUNTING
George Sidney Selman, Hythe, England, assignor to Hubert Scott-Paine, Hythe, Southampton, England
Application October 17, 1941, Serial No. 415,376
In Great Britain April 11, 1940
1 Claim. (Cl. 89—37)



A mounting for light guns comprising a rotatable turret ring, an upright bearing member secured to said turret ring and provided with two diametrically located niches, a crank arm having its lower end rotatably supported in said bearing member, gun supporting means rotatably mounted on the upper end of said crank arm, and a manually releasable locking pawl pivotally mounted on said crank arm and cooperating with the niches in said upright bearing member, whereby said crank arm may be rotated in said bearing member and locked with its upper end lying above the space inside of the turret ring or in a position outside of said turret ring.

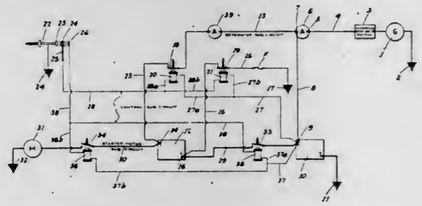
2,344,567
COLLAPSIBLE EGG CARTON
Melvin H. Sidebotham, Newton, Mass.
Application July 16, 1942, Serial No. 451,115
8 Claims. (Cl. 229—28)

1. An egg carton, comprising a body blank, creased, cut and folded to provide two bottom sections crease-hinged together and having a plurality of horizontal slots therein lying parallel with and interrupting the crease-hinge; two parallel, upright side walls, each crease-hinged to the corresponding bottom section and having seven vertical slots therein; two cover sections each crease-hinged to the corresponding wall section; two tuck sections each crease-hinged to the corresponding cover section; seven transverse partitions positioned between and at right angles with the side walls, and each being provided with



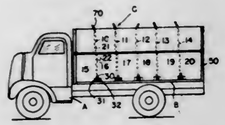
a locking slot extending downwardly from the midpoint of its upper edge; opposite flaps on each transverse partition extending through the vertical slots in the side walls and being folded against and adhesively secured to the adjacent outside surface of the corresponding side wall; and a longitudinal partition positioned in the locking slots in the transverse partitions; and locking hooks provided on the lower edge of the longitudinal partition, projecting through the slots in the bottom and engaging the outside surface of the bottom.

2,344,568
STARTER CIRCUIT FOR MOTOR VEHICLES
Linus S. Snyder, Manteca, Calif.
Application May 3, 1943, Serial No. 485,445
7 Claims. (Cl. 290—38)



1. A starter circuit for a motor vehicle which includes a plurality of storage batteries, a generator, and a starter motor; said circuit comprising a generator sub-circuit in which said batteries are connected in parallel, a normally open starter motor sub-circuit in which the batteries are connected in series, and a control sub-circuit including a control switch unit, a normally closed deenergized relay interposed in each of the generator sub-circuit leads connected with one of the batteries, and a normally open deenergized relay interposed in each of the starter motor sub-circuit leads connected with the same battery; said switch unit being operative upon closing thereof to first energize the relays in the generator sub-circuit and to subsequently energize the relays in the starter motor sub-circuit.

2,344,569
COAL TRUCK BODY CONSTRUCTION
Ivin F. Snyder, Detroit, Mich., assignor to Clifford H. McCurdy, Detroit, Mich.
Application February 22, 1943, Serial No. 476,707
14 Claims. (Cl. 298—8)



1. An open top truck body having two adjacent compartments for loose material, a wall of one compartment having a discharge opening therein, and a wall intermediate and common to both compartments having relatively movable parts movable toward portions of the first mentioned wall at opposite sides of the discharge opening therein and operable when in such position to direct material from the second compartment through the first compartment to the discharge opening.

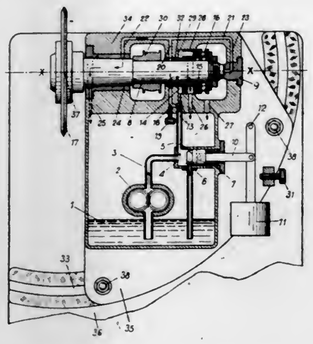
2,344,570
FASTENER
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Original application March 25, 1940, Serial No. 325,857, now Patent No. 2,326,579, dated August 10, 1943. Divided and this application December 30, 1942, Serial No. 470,548
3 Claims. (Cl. 85—36)



1. A fastener made of a strip of sheet material and having a singly curved base and tongues cut from the base and bent into the region at the concave side of the base beyond the plane connecting the roots of said tongues to the base, whereby the tongues act as struts when in engagement with a stud passing from the convex side of the fastener through the fastener and beyond the tongues.

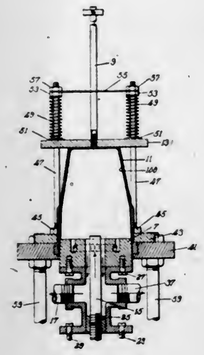
2,344,571
AXIAL BALANCE DEVICE
Fernand Turrettini, Geneva, Switzerland, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application September 24, 1942, Serial No. 459,574
In Switzerland July 4, 1942
7 Claims. (Cl. 308—9)

1. An axle balancing device of the character described including in combination a rotatable member, a housing therefor, provided with a recess about the rotatable member, a thrust bearing at the inner end of the housing bearing against the inner end of the rotatable member, another thrust bearing adjacent the inner ends of the rotatable member, pressure responsive means in the recess and acting on the last mentioned thrust bearing, a fluid reservoir carried with the housing, a fluid pump in the reservoir and in communication with the pressure responsive means, and a pressure regulator interposed in the communication between the pump and the pressure responsive means for regulating



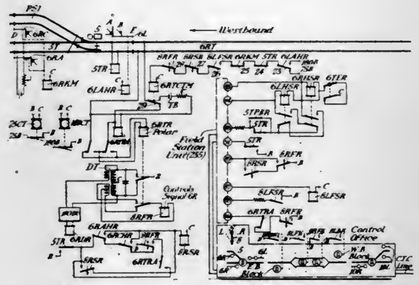
the pressure of the fluid on the pressure responsive means according to the inclination of the rotatable member.

2,344,572
MACHINE FOR EXPANDING HOLLOW ARTICLES
Alexis E. Ushakoff, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 8, 1941, Serial No. 392,482
2 Claims. (Cl. 18—19)



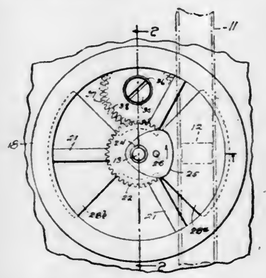
1. A machine for expanding a hollow blank having a mouth, said machine having in combination a tapered nozzle over which the mouth of the blank is placed, a mold-support reciprocable toward and from the nozzle and normally held away from the nozzle a distance greater than the height of the blank to permit the blank to be placed with its mouth over the nozzle, a mold carried by said mold-support, said mold having a tapered mouth to fit over the tapered nozzle, an actuator for the mold-support located upon the side of the nozzle opposite to that upon which the mold support is located, means for moving the actuator away from the nozzle to cause the mold to enclose the blank and to clamp the mouth of the blank to the nozzle, and means for admitting fluid under pressure through the nozzle to expand the blank.

2,344,573
RAILWAY TRAFFIC CONTROLLING APPARATUS
James J. Van Horn, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 12, 1941, Serial No. 410,504
31 Claims. (Cl. 246—3)



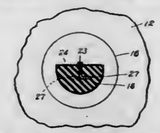
1. In combination with a stretch of single track over which traffic may move in either direction, said stretch being divided into a plurality of track circuit sections, a traffic direction control relay, manually controlled means at a control office for operating said traffic direction relay, means effective when said traffic direction relay is operated for cascading current impulses of a track circuit code from the exit end of said stretch for a given traffic direction over said sections to the entrance end for establishing said traffic direction, an entrance signal, code responsive means operated in response to the code received at the entrance end, means controlled from said office and effective when said code responsive means is operated for clearing said entrance signal, and means at said control office effective when said entrance signal is cleared for preventing a reversal of the established traffic direction.

2,344,574
CAM FLYWHEEL AND SHUTTER FOR MOTION PICTURE APPARATUS
Alexander Ferdinand Victor, New York, N. Y.
Application April 26, 1943, Serial No. 484,662
10 Claims. (Cl. 88—18.4)



1. In motion picture apparatus a rotatable cam-flywheel having a recessed face; a rotatable light interrupting shutter disposed in said recessed face; and a gear-train operatively connecting said flywheel and shutter, said gear train adapted to impart to the shutter a speed of rotation differing from the speed of rotation of the cam-flywheel.

2,344,575
METHOD OF MANUFACTURING MOLDING STRIPS
Harold B. Warren, Cincinnati, Ohio
Application January 21, 1941, Serial No. 375,289
2 Claims. (Cl. 18—59)



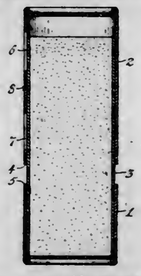
1. The method of manufacturing a molding strip or the like, which method comprises extruding through a die a quantity of plastic material to form the body and mounting base area of the molding strip, while at the same time directing a metallic spine piece through the die along with the plastic material in such manner as to initially expose a limited area of the embedded spine piece metal through the mounting base area, and thereafter spot welding a series of fasteners at spaced intervals to the exposed area of the spine piece.

2,344,576
MOLDING STRIP OR THE LIKE
Harold B. Warren, Cincinnati, Ohio
Application December 2, 1941, Serial No. 421,361
9 Claims. (Cl. 20—74)



1. As a new article of manufacture, a molding strip comprising a body of flexible material shaped to provide an outside face and a substantially flat base portion, and a metallic spine piece substantially wholly embedded in the body of the strip except for a relatively narrow contact edge of the spine piece which projects slightly beyond the substantially flat base portion of the body, leaving the flexible material of the body base portion exposed to conform with the shape of a surface to be covered by the molding strip, and a series of mounting elements welded at spaced intervals to said contact edge.

2,344,577
CONTAINER FOR COSMETIC POWDERS AND OTHER COSMETICS
Alice McLemore Whitehead, New York, N. Y., assignor to Dorothy Gray, Ltd., New York, N. Y., a corporation of Delaware
Application August 27, 1941, Serial No. 408,419
1 Claim. (Cl. 229—8)



A container for cosmetic powders and the like comprising an imperforate body member, leakproof against the loss of powder or the like

through the walls thereof, and a cover member, a pictorial representation on one of said members, the other member having a representation thereon pertinent to the representation on the first-mentioned member, the said pictorial representation being complete only when the cover member is fully positioned in relation to said body member in complete closure relation, the portions of the pictorial representation carried on each member at all times lying wholly in the plane of the wall of the member carrying the same and at no time entering the plane of the other member, cut-outs formed in the side of the cover member providing an opening through which portions of the pictorial representation formed on the body member are visually observable, when the cover is fully positioned in closed relation, to visually complete the pictorial representation, said cover member being slidably and telescopically arranged in respect of the body member, the opening in the cover also functioning as a dispensing opening when the cover is positioned in partially telescoped relation, said cover when in said last named relation exposing the portion of the pictorial representation carried by the body member not exposed when the cover is in fully closed position.

2,344,578

COMPOSITION FOR COATING CONCRETE

George W. Whitesides, Anchorage, Ky.

No Drawing. Application June 1, 1942, Serial No. 445,525
4 Claims. (Cl. 260—18)

1. A coating composition for curing freshly placed concrete comprising: a non-volatile, water-repellent, film-forming base of resinous material; a volatile hydrocarbon solvent for the base; and a mechanically-dispersed, water-insoluble, water-repellent, metallic, fatty-acid soap, the quantity of soap being sufficient to form, when the coating is applied and the solvent evaporated, a layer of undissolved soap overlying the base.

2,344,579

COMPOSITION FOR COATING CONCRETE

George W. Whitesides, Anchorage, Ky.

No Drawing. Original application June 1, 1942, Serial No. 445,525. Divided and this application September 11, 1943, Serial No. 502,059
3 Claims. (Cl. 106—269)

1. A coating composition for curing freshly placed concrete comprising: a non-volatile, water-repellent, film-forming base selected from a bituminous group consisting of asphalt pitch, coal-tar pitch, and fatty-acid pitch; a volatile hydrocarbon solvent for the base; and a mechanically-dispersed, water-insoluble, water-repellent, metallic, fatty-acid soap, the quantity of soap being sufficient to form, when the coating is applied and the solvent evaporated, a layer of undissolved soap overlying the base.

2,344,580

FISH LURE

Conrad Wood, El Dorado, Ark., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application August 13, 1942, Serial No. 454,735
5 Claims. (Cl. 43—46)

1. An artificial bait including a body portion, a head portion comprising an upper jaw portion and a lower jaw portion, said jaws each being provided with a concave mouth portion, said upper jaw protruding a substantial distance forwardly of said lower jaw, the said upper jaw being substantially arcuate and constituting an



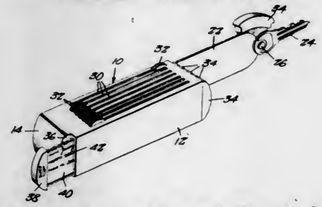
extension of said body portion, the upper central surface of said upper jaw being substantially longitudinally disposed.

2,344,581

KEY CASE

Robert N. Ziegeweid, Arcadia, Wis.

Application October 6, 1942, Serial No. 460,977
4 Claims. (Cl. 70—456)



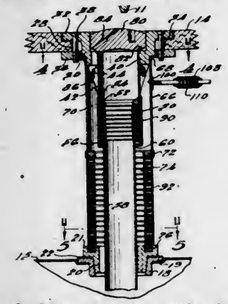
1. A key case comprising a hollow body having an open end and a wall provided with slots, key carrying members slidably guided in said body to be projected through said open end, the keys being pivotally connected with the respective members to lie in face to face relationship therewith inside the body, and means attached to the respective members and extending through said slots for shifting said members and the keys.

2,344,582

GASOLINE TANK FILLER

Herbert D. Allee, Grosse Pointe, Mich.

Application May 11, 1940, Serial No. 335,160
10 Claims. (Cl. 220—86)



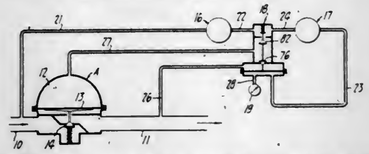
1. A fuel tank filler device or the like comprising a pair of end members each having an opening therein, and a pair of tubular elements extending between said end members and arranged one within the other to form a passage therebetween, the outer of said tubular elements being sealed to both said end members and the inner of said tubular elements being supported by at least one of said end members, said tubular elements each comprising a plurality of sections, some of said sections each comprising a substantially rigid imperforate metal tube and the remainder of said sections each comprising a flexible metal bellows sealed to at least one of said rigid sections, metal bellows sections of said tubular elements occupying a position in the length of each thereof corresponding with the position of one of said rigid sections in the length of the other thereof.

2,344,583

FLOW CONTROL APPARATUS

Douglas H. Annin, Oakland, Calif., assignor to Fluid Control Engineering Co., a co-partnership consisting of Marvin H. Grove and Julia E. Grove, both of Piedmont, Calif.

Application January 30, 1942, Serial No. 428,843
6 Claims. (Cl. 50—4)



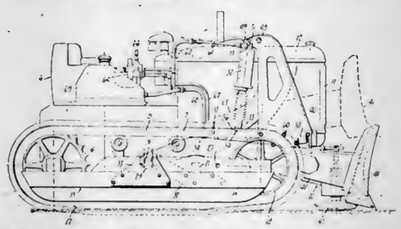
1. In flow control apparatus, a main pressure reducing regulator having its inflow side adapted for connection to a high pressure fluid supply line and its outflow side adapted for connection with a low pressure line, said regulator being characterized by an operating diaphragm and a chamber upon one side of the diaphragm adapted to contain gas under pressure to form the loading force upon the diaphragm, the pressure in said chamber serving to determine the pressure maintained upon the outflow side of the regulator, means including an adjustable loading regulator serving to supply gas at a predetermined desired pressure to said chamber, control valve means connected to said chamber and serving when opened to vent gas from the same, whereby the regulator is caused to shut off flow of gas to the outflow side, an operating diaphragm connected to said control valve means, closed fluid chambers formed upon opposite sides of said diaphragm, a connection between one of said chambers and the outflow side of the regulator, whereby fluid pressure from the outflow side of the regulator urges the diaphragm in a direction to maintain the control valve means closed, and means including a second adjustable loading regulator for supplying gas under pressure to the other one of said last named chambers, whereby upon adjusting said last named loading regulator the apparatus can be set to effect automatic closing of the main regulator, when the outflow pressure drops down to a predetermined abnormally low value.

2,344,584

IMPLEMENT FOR TRACTORS

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware

Application May 10, 1941, Serial No. 392,875
5 Claims. (Cl. 37—144)



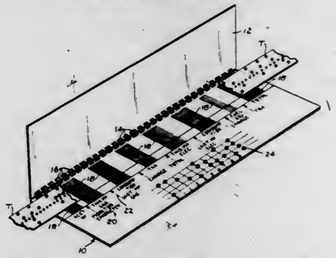
3. In a tractor having a main frame and a pair of side frames connected in spaced relation thereto and defining therewith a lateral space on either side of said main frame: a push frame having side beams accommodated within said lateral spaces and pivoted to said tractor; a tool mounted upon said push frame; brackets secured to either side of said main frame with portions thereof overlying said lateral spaces; and a hydraulic actuator pivoted to each of said side beams and to said bracket portions for elevating and lowering said push frame.

2,344,585

DEVICE FOR ANALYZING PERFORATED DATA APPEARING IN ADJACENT FIELDS OF RECORD MEDIA

William J. A. Bailey, Packanack Lake, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 28, 1943, Serial No. 500,436
6 Claims. (Cl. 35—2)



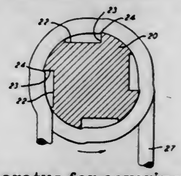
1. A device for analyzing perforated data appearing in adjacent fields of a record medium wherein the fields are of predetermined widths to accommodate one or more index point positions within the fields and are arranged in a predetermined order lengthwise of the record medium, a backing card having a plurality of appropriately defined transverse band-like areas thereon arranged in a row in contiguity in transverse alignment and of substantially equal length, said appropriately defined band-like areas corresponding in number to the number of fields appearing on the record medium which it is desired to analyze and each area being of a width substantially equal to the width of a respective field on said record medium, said band-like areas being arranged relative to one another so as to underlie their respective fields on the record medium when the latter is positioned on said card in overlying relationship with respect to said row of band-like areas.

2,344,586

STRAND COVERING APPARATUS

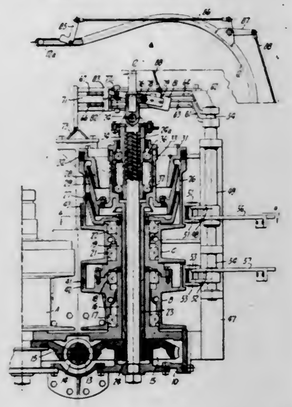
William T. Barrans, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 31, 1942, Serial No. 436,985
13 Claims. (Cl. 87—31)



1. In an apparatus for covering strands, means for applying a textile covering to strands to form a cord, and an axial delivery capstan for withdrawing from the strand-covering means the cord formed thereby, which capstan comprises a cylindrical member having a plurality of longitudinal, rectangular grooves formed therein for engaging the cord and advancing the cord spirally around the capstan.

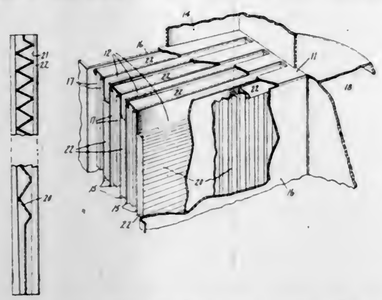
2,344,587
WINCH CONSTRUCTION
Leo Berner, San Jose, Calif., assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif., a corporation of Nevada
Application September 27, 1941, Serial No. 412,673
5 Claims. (Cl. 254—185)



3. In a winch unit, a pair of rotatable winch drums disposed end to end and in alignment, a rotatable drive member, clutching means for engaging each drum with said drive member and including a plurality of clutch elements, a nut disposed near one end of one of the drums and rotatable to move the same in opposite directions, a connection between the nut and an element of the clutching means for causing the clutching means to engage either drum with the driving member by rotation of the nut in either direction, a control lever, means serving to pivotally connect one end of the control lever to the nut for pivotal movement about an axis at right angles to the axis of the nut and independent of rotation of the nut, braking means for the drums, motion transmitting mechanisms connected to said braking means for effecting release of the same, each of said mechanisms including a member movable to release said braking means, a selecting finger pivotally mounted upon the control lever, and means for positioning said selecting finger in either one of two positions, in one of which movement of said lever in one direction actuates one of said members, and in the other position said finger actuates the other one of said members by movement of the control lever in the same direction.

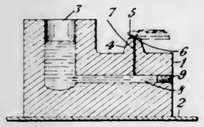
2,344,588
HEAT TRANSFER DEVICE
Warren S. Blauvelt, Ann Arbor, Mich., assignor to Blauvelt Associates, Inc., Troy, N. Y., a corporation of New York
Application January 6, 1941, Serial No. 373,211
1 Claim. (Cl. 257—245)

In a heat transfer device, a first duct and a second duct, each substantially rectangular in cross section and having a common flat wall therebetween, means for causing gases to be cooled to flow through said first duct, means for causing gases to be heated to flow through said second duct in a general direction substantially at right angles to the general direction of flow of gases through said first duct, a baffle plate means for supporting said plate within said first duct, said baffle plate being provided with alternating crests and valleys extending substantially at right angles to the general direction of flow of gases through said first duct, the distance of



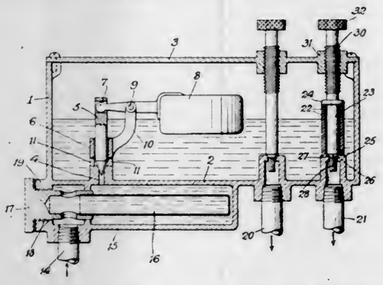
the crests of said baffle plate from the walls of its duct progressively decreasing in the direction of flow of gases through said first duct.

2,344,589
SOLDERING DEVICE
Peter Bogner, London, England, assignor to Saml. Hanson & Son, Limited, London, England, a British company
Application April 17, 1940, Serial No. 330,202
In Great Britain April 19, 1939
3 Claims. (Cl. 113—59)



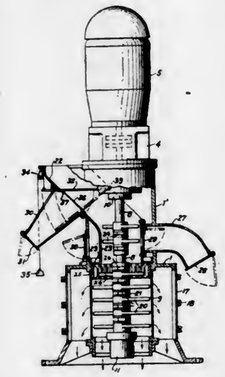
1. A soldering device comprising a block having a surface with a depression therein exposed from above, a bore extending upwardly through said block into said depression, means for feeding soldering wire into said bore, and means for heating said block to melt the solder at a point spaced below said depression, a capillary passage between said point and said depression whereby molten solder is elevated through the passage to the depression by capillary action.

2,344,590
SPIRAL OIL FILTER
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application March 13, 1941, Serial No. 383,078
6 Claims. (Cl. 210—166)



1. In combination, a valve seat and a movable valve member, means for moving the valve member toward the valve seat, the valve seat and the valve member defining a valve aperture, and a spring strainer structure surrounding said valve aperture, urging said valve member away from said valve seat, means for maintaining said spring strainer structure under compression, and for increasing its compression in response to the movement of the valve member toward the valve seat.

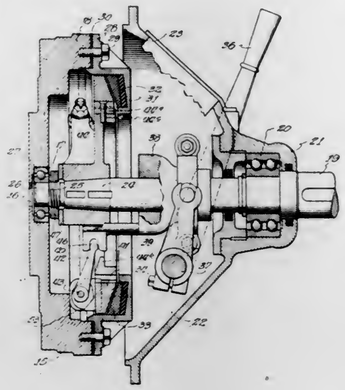
2,344,591
HAMMER MILL FEED END
Julien A. Bried, Berkeley, Calif., assignor to Enterprise Engine & Foundry Company, San Francisco, Calif., a corporation of California
Application December 31, 1940, Serial No. 372,617
3 Claims. (Cl. 83—11)



1. In a hammermill having a vertically disposed revolvable shaft with hammers projecting therefrom forming a disintegrating rotor and operating within a cylindrical shell surrounding the hammers, and with an inclined feed chute extending downwardly from without at one side of and into the mill for guiding material to be disintegrated to the upper end of the rotor, the improvement which comprises providing a screen extending across the space within the feed chute in a manner to stop and hold thereon oversize pieces of material in the feed, means pivotally mounting said screen for swinging downwardly at an angle to drop off said oversize pieces, a separate discharge chute arranged to receive said oversize pieces from said screen when swung downwardly, and means normally holding said screen from so swinging downwardly and released upon a predetermined weight of oversize pieces on said screen, said means automatically returning said screen to initial position after dumping its load.

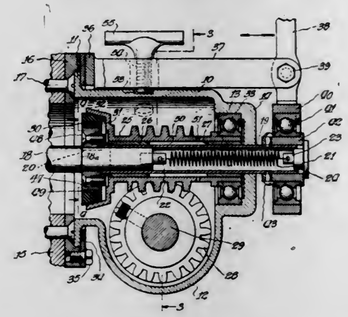
2,344,592
POWER TAKE-OFF CLUTCH
Robert L. Brownlee, Chicago, Ill.
Application November 15, 1941, Serial No. 419,344
6 Claims. (Cl. 192—66)

1. A clutch comprising a power flywheel, a driving unit attached to one end of the flywheel and spaced therefrom, a driven unit in the space between the flywheel and the driving unit, clutch components carried by the units, and means to move the driven unit into and out of clutching engagement with the driving unit, the driving unit including a receptacle opening opposite the driven unit, the clutch component of the driven unit being of a permanent character, and that of the driving unit comprising a resilient lining



seated in the back of the receptacle and a hard facing slid into the receptacle to seat against the lining.

2,344,593
CLUTCH DRIVE
Robert L. Brownlee, Chicago, Ill.
Application April 6, 1942, Serial No. 437,915
10 Claims. (Cl. 192—66)

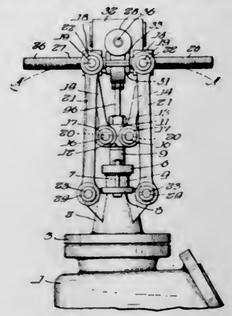


1. A power drive comprising a support, a drive shaft, an inner member longitudinally slidable on the shaft but rotatably joined thereto, an outer member freely rotatable about the inner member, a bearing for the outer member carried by the support and locking the same against longitudinal motion, driving and driven clutch elements carried by the inner and outer members respectively, and means to shift the inner member for the engagement of its clutch element with that of the outer member and transmit the motion of the drive shaft to the same.

2,344,594
MOTOR OPERATED TOGGLE VALVE
Corwin W. Bryant, Downers Grove, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 23, 1942, Serial No. 427,853
7 Claims. (Cl. 74—89)

1. In a toggle mechanism for the operation of a valve or the like, a floating toggle shaft, power driving means connected to and supported on

the center of said toggle shaft for effecting rotation thereof, the said driving means having le-



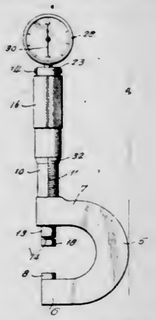
ver means for limiting the rotational movement of said power means about the axis of said toggle shaft.

2,344,595

INDICATOR MICROMETER

Gretchen Calow and Otto Calow, Albany, N. Y.

Application September 22, 1942, Serial No. 459,249
3 Claims. (Cl. 33—147)



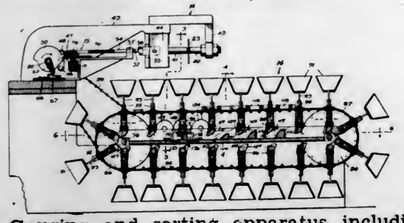
1. A measuring tool, comprising in combination an anvil, a sleeve movable toward and from said anvil, a rod situated within said sleeve and movable longitudinally in opposite directions therein, one end of said rod projecting beyond one end of said sleeve and the other end of the sleeve having a recess therein, a disk upon the projecting end of the rod and situated at a distance from the adjacent end of the sleeve, whereby the distance between said disk and said anvil may be measured, a second disk carried by said rod intermediate its ends and situated in said recess formed in said sleeve, the sleeve having a shoulder against which said second disk is adapted to abut, a recessed bushing carried by said sleeve and closing said recess in the sleeve, a coiled spring situated within said recess in the sleeve and engaging said second disk and said bushing to hold the second disk pressed against the shoulder of the sleeve, and indicator carried by said bushing and comprising an actuating pin contacting the other end of said rod, whereby a change in pressure upon the first-mentioned end of the rod which causes a movement of the rod in the direction toward the indicator is indicated upon said indicator, said spring serving to yieldingly oppose such movement of the rod, and a second spring housed in the recessed bushing and acting on the rod to oppose movement of the rod away from the indicator and to hold the second named end of the rod in contact with the actuating pin.

2,344,596

GAUGING AND SORTING MACHINE

Alfred R. Carmina, Brooklyn, N. Y.

Application May 20, 1942, Serial No. 443,729
3 Claims. (Cl. 209—88)



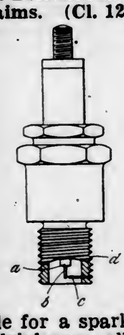
1. Gauging and sorting apparatus including gauging means for gauging the thickness of sheet material conveyor means comprising an endless belt positioned beneath the gauging means and having a plurality of pivotally mounted receptacles thereon, each adapted to receive an article which has been gauged by the gauging means, said receptacles being shiftable between an upright position and a tilting position to discharge their contents, a plurality of stations adjacent the conveyor and each adapted to receive a sheet of material of different predetermined thickness, means for normally holding the receptacles in upright position, means including adjustable cams for causing the receptacles to tilt and discharge their contents at any one of the stations, and control means for adjusting the cams in accordance with the thickness of the sheet material being gauged, comprising a plurality of fixed contacts, a movable contact arm pivotally mounted adjacent the fixed contacts and operatively connected to the gauging means so as to be shiftable over the top of any one of the fixed contacts depending upon the thickness of the sheet material being gauged, means including an electromagnet positioned beneath the fixed contacts for drawing the movable contact arm into engagement with a fixed contact, a plurality of circuits controlled by the contacts, a plurality of electromagnets, each connected in one of the circuits, and an armature for each of the electromagnets formed so as to engage and adjust an adjustable cam when its electromagnet is energized.

2,344,597

ELECTRODE FOR SPARKING PLUGS

Jack Chambers Chaston and Kenneth Stuart Guy Pertwee, Harrow, England, assignors to Johnson, Matthey & Co. Limited, London, England, a British company

Application March 9, 1942, Serial No. 434,004
In Great Britain March 18, 1941
3 Claims. (Cl. 123—169)



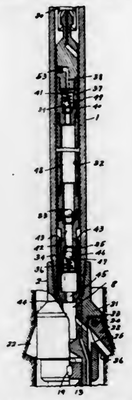
1. An electrode for a sparking plug consisting of platinum-molybdenum alloy containing molybdenum within the range 0.5–10%, the balance being platinum.

2,344,598

WALL SCRAPER AND WELL LOGGING TOOL

Walter L. Church, Houston, Tex.

Application January 6, 1942, Serial No. 425,726
8 Claims. (Cl. 255—1.4)



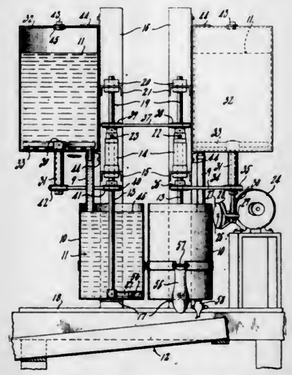
1. A device for taking samples from a well comprising a sample receiving chamber having an inlet, a wall scraping probe pivotally mounted relative to the wall of the chamber and movable to active or inactive positions and provided with a channel, means to move the probe to active position to engage the wall of the well bore, said probe being mounted relative to the inlet whereby to cause the wall formation to pass along said channel and through said inlet into the chamber, when the probe is in active position, upon longitudinal movement of the device in a well.

2,344,599

FEEDER FOR SENSITIZING INGREDIENTS

Edward H. Clark, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application July 29, 1941, Serial No. 404,515
4 Claims. (Cl. 259—8)



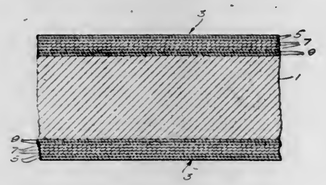
1. Apparatus for delivery of regulated quantities of a liquid in which fine particles of solid material are suspended, said apparatus comprising a mixing chamber for a supply of said liquid, the chamber having a wall, the wall having a delivery orifice, and a dispensing mechanism including a shaft provided with a substantially radial stirring blade mounted to rotate in said chamber in a path adjacent to said orifice, the blade including dose-expelling means comprising a flap of resilient material at the free end of said blade moving in wiping engagement with the wall of said container, and means to impart to said flap a quick fillip including a movement away from the orifice and a quick movement toward the orifice as the flap passes the same.

2,344,600

WALLBOARD

Philip W. Codwise, Kenmore, N. Y., assignor to Certain-teed Products Corporation, New York, N. Y., a corporation of Maryland

Application March 6, 1941, Serial No. 381,988
6 Claims. (Cl. 154—45.9)



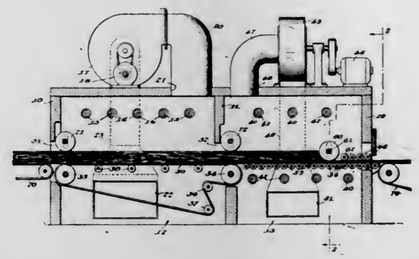
1. A wallboard comprising a core of hydraulic setting material in set condition between cover sheets of felted fibrous material, and a toxic substance carried by said fibrous sheets at the portions thereof removed from that face of the sheet which is exposed in the board.

2,344,601

TREATMENT OF FIBROUS GLASS

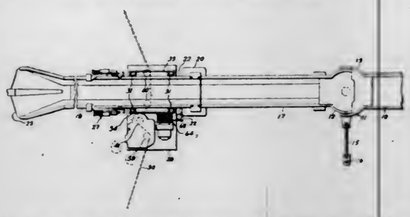
Howard W. Collins, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application February 27, 1941, Serial No. 380,860
3 Claims. (Cl. 49—77)



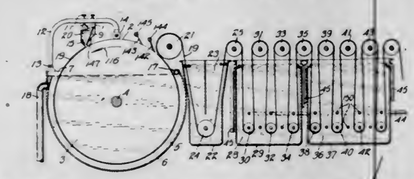
2. The method of producing mineral fiber products, which comprises passing a current of heated air through a loose mat of long, fine glass fibers supported on a conveyor, in a direction transverse to its major faces and to urge the mat toward the conveyor to heat the fibers to a temperature approaching but short of the softening temperature at which the fibers are capable of taking a permanent set when deformed, then passing a second current of air heated to a higher temperature than said first-named current of air through said mat in a direction opposite to the movement of said first-named current, to thereby heat the fibers in the mat to the said softening temperature, shaping said mat while at said temperature to desired configuration, and cooling the shaped mat.

2,344,602
SHAKER CONVEYER
Loyal F. Crawford, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 2, 1942, Serial No. 464,189
9 Claims. (Cl. 198—220)



1. In a shaker conveyer and in combination with an extensible trough section having a pick-up member on its forward end, means independent of said trough section for feeding said extensible and reciprocating trough sections laterally, including a shoe separate from said extensible trough section and slidably movable along the ground, power means on said shoe for moving said shoe along the ground, and abutment means on said shoe adapted to extend upwardly along and engage opposite sides of said trough section, for moving said trough section laterally upon lateral movement of said shoe.

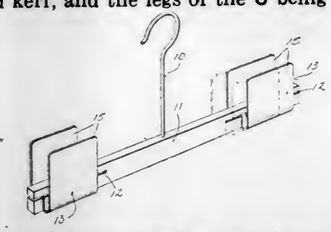
2,344,603
MACHINE FOR MAKING CELLULOSE SHEETS AND THE LIKE
Emil Czapek, New York, N. Y.
Application August 3, 1940, Serial No. 350,289
10 Claims. (Cl. 18—15)



1. The combination with a movable support of a pouring device adapted for the production of thin films having a thickness uniform in the length and in the width by pouring a cellulose solution on said support including a hopper for containing a cellulosic solution adjustably disposed on the edges of said support and having an elongated feeder at its lower end, the feeder having a discharge opening operatively associated with said support, a blade extending the entire width of the feeder and adjustably connected to said feeder, and end baffles adjustably connected to the sides of the hopper for engaging the surface of said support and extending parallel to the path of movement of said support.

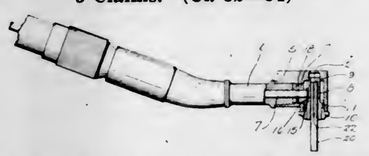
2,344,604
TROUSER HANGER
Jeremiah De Gray, Milwaukee, Wis.
Application July 21, 1941, Serial No. 403,286
1 Claim. (Cl. 223—95)

A trouser hanger having a supporting member, a cross bar extending therefrom in either direction, said cross bar having a kerf extending inwardly from either end thereof, an inverted U-shaped clamp receivable in each of said kerf ends of the cross bar with the intermediate web of the U extended across the bar in said kerf, and the legs of the U being clamp-



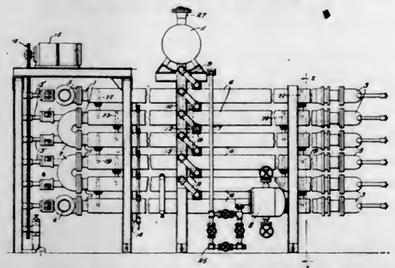
ingly engaged upon the bar, said legs as to the free ends thereof being outwardly and upwardly extended to be received in the cuffs of trousers.

2,344,605
DENTAL TOOL
Gilbert H. Droegkamp, Wauwatosa, Wis.
Application April 15, 1942, Serial No. 439,069
5 Claims. (Cl. 32—54)



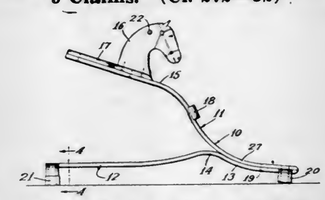
1. A dental tool comprising the combination with a contra-angle head having a downwardly opening chamber and a closure therefor provided with a downwardly opening bearing, of a tool carrying sleeve reciprocably and rotatably disposed in the bearing of said closure and provided immediately above the closure with a cam follower flange extending about its periphery, a shank screw-threaded into said head substantially at right angles to the sleeve and provided with a bearing, a drive shaft rotatable in the last mentioned bearing, and a cam mounted on the end of the drive shaft in operative position for engagement with the flange at one side of the sleeve, said cam being bodily receivable into the head in assembly with said shaft.

2,344,606
DOUBLE PIPE EXPANSION CHILLER
Eugene A. Edmonds, Louisville, Ky., assignor to Henry Vogt Machine Co., Inc., Louisville, Ky., a corporation of Kentucky
Application August 30, 1943, Serial No. 500,573
10 Claims. (Cl. 62—141)



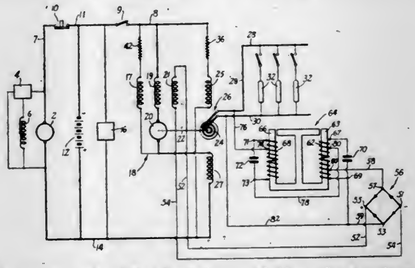
1. Double pipe chiller comprising a serpentine coil having the form of side by side banks of superposed jacketed straight substantially horizontal inner pipe sections serially connected at opposite ends providing a conduit for the flow of liquid to be cooled, corresponding sections of each bank being in horizontal adjacency, an equalizing connection between longitudinally adjacent jackets communicating therewith above the bottoms of said jackets and below the normal liquid level therein, sump connections between said horizontally adjacent jackets communicating therewith at the bottom level of said jackets and dipping intermediately below said level, said sump connections being provided with valved drainage outlets, and an overflow connection between each horizontally adjacent pair of jackets and the next lower pair, communicating with the upper pair at a point determining the liquid level in said pair and with the lower pair at a point below the liquid level in said lower pair.

2,344,607
TOY
Paul F. Gosswein and Ernst C. Gosswein, Chicago, Ill.
Application October 4, 1943, Serial No. 504,858
5 Claims. (Cl. 272—52)



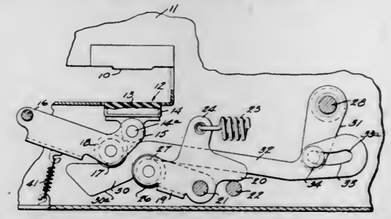
1. A rocking horse toy comprising spaced front and rear supporting pedestals, a lower resilient spring element extending between and fastened to said supporting pedestals, an upper resilient spring element having a lower front end portion secured to said front supporting pedestal and having middle and rear portions extending upwardly in spaced relationship with said lower resilient spring element and the said rear portion of said upper resilient spring element being provided with a seat for a child, said upper and lower resilient spring elements each being composed of a plurality of wooden plies adhesively laminated together and having lower front end portions secured together rearwardly of said front supporting pedestal and disposed in substantially parallel relationship with and in contacting engagement with each other.

2,344,608
CONTROLLING SYSTEM
Labeeb B. Haddad, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware
Application September 19, 1940, Serial No. 357,430
10 Claims. (Cl. 171—119)



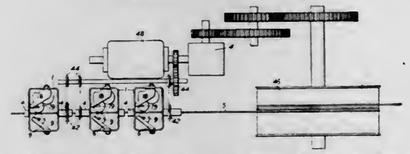
1. In an electrical system of the class wherein a motor alternator receives power from a direct current source and supplies alternating current power to a load and wherein the motor of said motor alternator is provided with the major portion of its field flux by a shunt field winding, the combination with said shunt field winding of an auxiliary field winding which carries current to thereby tend to effect a change in the total magnetic flux of the motor, and means to supply auxiliary field current to said auxiliary field winding comprising two parallel resonant circuits connected in series across the output terminals of the alternator.

2,344,609
PRINTING PRESS
Walter J. Hanson, Port Chester, N. Y., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application May 27, 1942, Serial No. 444,635
2 Claims. (Cl. 101—297)



1. In a printing press, a stationary printing die, a movable platen, a movable member connected with said platen and having a roller mounted thereon, a spring controlled movable member having a roller mounted thereon, a wedge movable between each of said rollers including means to move said wedge during a printing cycle of operation, whereby the platen is raised to move an article thereon into engagement with the printing die, and whereby print-pressure is applied under control of the spring.

2,344,610
APPARATUS FOR MARKING THE SURFACE OF ELECTRIC CABLES OR SIMILAR ARTICLES
Edward Spencer Hargreaves, deceased, late of Rainhill, England, by Edward Gordon Hargreaves, Saint Helens, England, and Harvey John Dunkerley, Crookham, England, executors, and Harold MacDonald Steward, Liverpool, England, assignors to British Insulated Cables Limited, Prescot, England, a British company
Application May 10, 1943, Serial No. 486,399
In Great Britain June 6, 1942
8 Claims. (Cl. 101—36)



1. Apparatus for applying marking to the surface of a cable or other elongated article of circular or approximately circular cross-section, at frequent intervals, or continuously, along the length of the article, as it travels therethrough, comprising a carrier, means for rotating the carrier about the article to be marked, and a roller with a peripherally extending marking surface mounted on the skew in said carrier with its periphery in contact with the surface of the arti-

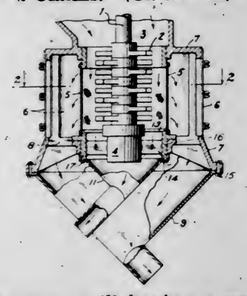
cle, the angle of skew and the relation between the speed of rotation of the carrier and the linear speed of travel of the article being such that the marking roller follows a helical path about the article without appreciable slipping between the marking surface and the article.

2,344,611

VERTICAL HAMMER MILL DISCHARGE

Harry H. Harris, Palo Alto, Calif., assignor to Enterprise Engine & Foundry Company, San Francisco, Calif., a corporation of California

Application December 31, 1940, Serial No. 372,621
2 Claims. (Cl. 83—11)



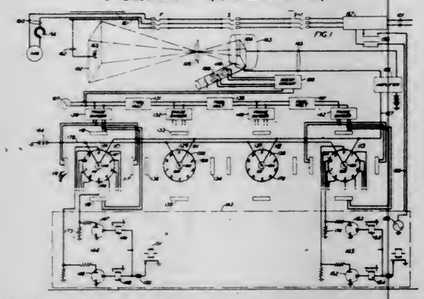
1. In a hammer mill having a vertically disposed disintegrating rotor operating within a stationary cylindrical screen and through which the fines pass, a confined space to the outer side of the screen into which the fines fall, bottom closure means for about half of the lower end of the space embraced by the screen and similarly for the space at the outer sides of the screen and leaving openings at the bottom of the mill respectively at opposite sides of the mill only for separate discharge of the screened material and the rejects not passing through the screen, and centrally disposed partition means extending below the mill maintaining the discharges separate to points remote from the mill.

2,344,612

ELECTRIC SIGNALING

Ralph V. L. Hartley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 27, 1942, Serial No. 448,735
7 Claims. (Cl. 179—27)



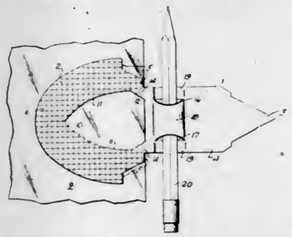
1. In a telephone system, in which designations are assigned to the lines of a group on a decimal basis, each designation having a plurality of digital places, the combination of a plurality of signal lamps individual respectively to the lines of said group, said lamps being arranged in decimal order in a field of coordinate rows, an electron device having a scanning beam and means for causing said beam to scan said field of lamps in a definite order, switching beam devices, one for each digital place in said designations, each switching device having a beam position for each digit value of the corresponding place, means for driving the beams of said switching devices through the successive switching positions at such a rate with respect to the movement of said scanning beam that each switching beam occupies at any instant the switching position corresponding to the digit value of the signal lamp in said field which is being scanned at that instant by the scanning beam, a plurality of registers, one for each of said digital places, each register being capable of variable operation to register any one of the digit values of the corresponding place, means for lighting any one of the lamps in said field to identify the particular line corresponding thereto, and circuit means interconnecting said switching devices and the corresponding registers and responsive to the respective switching beams for operating said registers to register the designation of said particular line when the scanning beam scans the lighted signal lamp.

2,344,613

BOOKMARK

Lucius A. Hellstern, Cleveland, Ohio, assignor to Aloysius U. Hellstern, Cleveland, Ohio

Application July 31, 1941, Serial No. 404,887
2 Claims. (Cl. 116—119)



1. A bookmark for insertion in and ready removal from between pages of a book and comprising an elongated strip of resilient, flexible and elastic material having at one end a holding portion and having at the other end a marking portion, an intermediate portion between said holding portion and said marking portion, paired openings in said intermediate portion lengthwise of the strip and being spaced apart from each other transversely of the intermediate portion and aligned transversely of the intermediate portion with each other, whereby a writing instrument may be interlaced with the intermediate portion crosswise of the strip through the said openings and be firmly secured to the said bookmark.

2,344,614

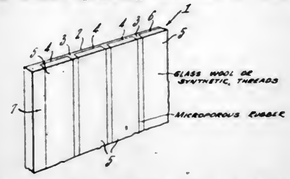
BATTERY SEPARATOR

George E. Hulse, Jr., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 25, 1940, Serial No. 342,197
4 Claims. (Cl. 136—145)

1. An article of manufacture consisting of an integral unitary separator and paste-retainer for storage batteries comprising the combination of a sheet of porous material including spacing means distributed over the width of the sheet and adapted to extend from one battery plate to an adjacent battery plate and to withstand compressive stresses from said plates, the sheet having grooves between the spacing means, and

inert fibrous material filling the grooves to provide with said spacing means a substantially



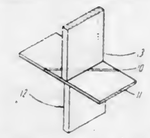
planar plate-engaging surface, the fibrous material being bonded to the porous material to form an integral separating unit.

2,344,615

MEANS FOR AND METHOD OF MAKING JOINTS

John H. James, Cleveland Heights, and Harry B. Miller, Cleveland, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application April 2, 1942, Serial No. 437,350
3 Claims. (Cl. 179—100.2)



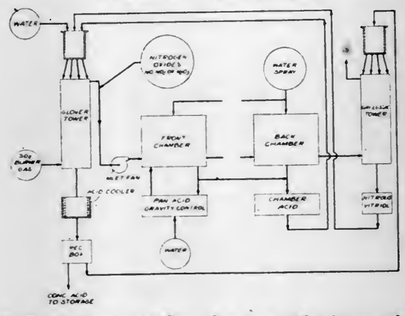
1. A jointed magnetic tape adapted to cooperate with a transducer head having a pole piece of appreciable thickness, said joint extending across the tape at an angle to the direction of movement of the tape which is sufficiently different from 90 degrees that the distance between the ends of the joint along the direction of movement of the tape is greater than the thickness of the pole piece, whereby the major part of the magnetic flux through the pole piece when the tape joint is opposite the pole piece passes through the tape independently of the joint.

2,344,616

MANUFACTURE OF SULPHURIC ACID

Joseph A. Jenemann, Drexel Hill, Pa., and Eldon B. Hollis, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application November 23, 1940, Serial No. 366,838
9 Claims. (Cl. 23—168)



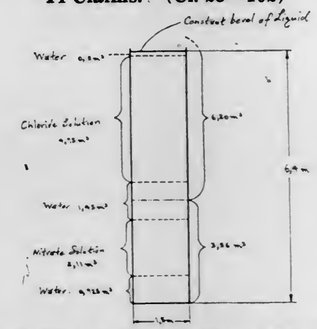
2. In a process for the manufacture of sulphuric acid in normal space-chamber systems the steps of continuously diluting with water from an external source the pan acid of at least the front chamber in the amount required to keep the strength of the pan acid below that at which nitrosylsulphuric acid would remain dissolved and undecomposed, and introducing sulphur dioxide, nitrogen oxides, and water vapor into the reaction space at a rate and in proportions such that the combined strength of the mist acid and the drips acid exceeds that of the pan acid, the amount of water added to the pan acid being so proportioned thereto as to keep the strength of the pan acid substantially constant, and maintaining a rate of reaction in the chamber sufficient to create a temperature differential between the pan acid and the mist acid such that the vapor pressure of the mist acid exceeds the vapor pressure of the pan acid.

2,344,617

PROCESS FOR THE PRODUCTION OF SALTS BY BASE-EXCHANGING SUBSTANCES

Henry Johnsen, Notodden, Norway; vested in the Alien Property Custodian

Application May 26, 1934, Serial No. 727,832
In Norway June 22, 1933
14 Claims. (Cl. 23—102)



1. A process for the production of soluble salts by means of base-exchanging substance, characterized by the following liquids being passed in the same direction and in successive contact with one another and in the following order through the base-exchanging substance: firstly, a solution of salt containing the same cation as the salt which it is desired to produce and an anion which forms a soluble salt with the exchangeable base of said base-exchanging substance; secondly, a separating body of a solvent of said salt substantially free from impurities which would contaminate the salt being produced; thirdly, a solution of salt containing the same anion as the soluble salt which it is desired to produce and a cation which is exchangeable with said desired cation in said base-exchanging substance; and fourthly, a separating body of a solvent of said second salt substantially free from impurities which would contaminate the salt being produced, and the separating bodies of solvent being thereafter divided, the portions on each side adjacent to the solution of the desired salt being removed together with at least a portion of said solution and treated together therewith for recovery of salt therefrom, and said process being repeated continuously, the base-exchanging substance being covered the whole time by liquid so that it is not exposed to air.

2,344,618

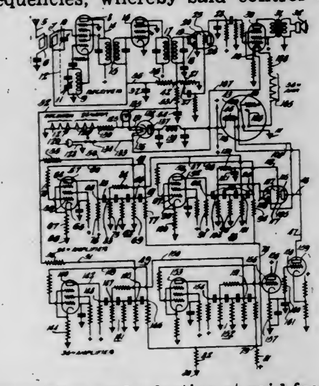
RADIO AIR RAID WARNING SYSTEM

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1941, Serial No. 404,902
6 Claims. (Cl. 250—20)

1. The combination with a radio signal receiving system, of a plurality of sub-audible control

frequency amplifying and detecting channels each including a detector and a preceding amplifier stage having a control grid circuit and an anode circuit, a resistance-capacity interstage coupling network connected between said grid and anode circuits in each channel providing a 180° phase shift at predetermined differing sub-audible control frequencies, whereby said control channels



are regenerative and selective at said frequencies, a stand-by signal receiving portion including a signal detector, means for deriving said sub-audible signals from said last named detector, means for applying said signals at said sub-audible frequencies to said control channels, and means responsive to the detector output of each amplifier channel for controlling a condition of operation of said receiving system.

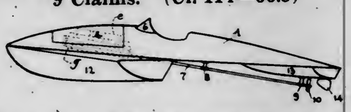
2,344,619

DISPLACEMENT-HYDROPLANE BOAT

Thomas A. Edison Lake, Stratford, Conn., assignor to George B. Cluett, 2nd, Troy, N. Y.

Application February 15, 1940, Serial No. 319,062

9 Claims. (Cl. 114—66.5)



1. In water craft, hull means comprising a pair of similar float members, each constituting substantially a half hull, and each of said float members having a relatively flat bottom providing a planing surface and having its longitudinal axis and therewith its two lateral water-contacting surfaces laterally divergent from the other float member from bow to stern in V formation.

2,344,620

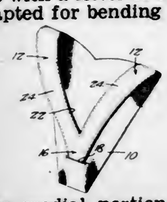
ORNAMENT

John E. Langley, Brooklyn, N. Y., assignor of one-half to Mark V. Woolf, Brooklyn, N. Y.

Application April 8, 1942, Serial No. 438,185

1 Claim. (Cl. 41—10)

An ornamental device comprising an elongated body strip having a decreasing symmetrical longitudinal taper from a transverse portion medially of its ends to each end, one of said ends terminating in a tab and the opposite end terminating in a wider end portion provided with a transverse slit inwardly of its extreme end edge adapted to frictionally receive the tab end therein, a covering applied to one face of the body and extending from the tab end to a point short of the other end, that part of the body from the tab end to the medial portion being shaped in correspondence with a letter of the alphabet, said body being adapted for bending at the relatively



wide transverse medial portion for disposal of the parts extending longitudinally therefrom in doubled over bow forming arrangement and insertion of the tab end into the slit.

2,344,621

WELD-ROD COATING

Paul C. Lemmerman, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 26, 1942, Serial No. 436,317

1 Claim. (Cl. 219—8)

A welding rod coated with a material comprising potassium silicate having an SiO_2:K_2O mole ratio of about 3.25.

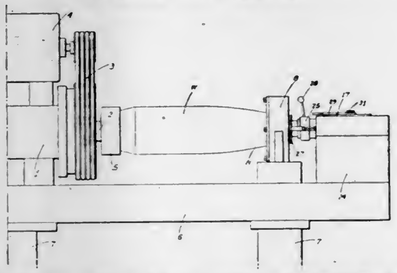
2,344,622

TAP SUPPORTING CARRIAGE FOR LATHES

Robert G. Le Tourneau, Peoria, Ill., and Carl Graham, Toccoa, Ga., assignors to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

Application January 2, 1943, Serial No. 471,126

7 Claims. (Cl. 10—129)



1. A tap supporting carriage assembly for a lathe which includes instrumentalities to support work in centered and driven relation and with an open end of said work exposed; said carriage assembly comprising a base, said base being disposed beyond the position of supported work and having a longitudinally extending channel formed therein, a carriage, means including anti-friction rollers mounting said carriage in said channel for free but guided, straight line movement therealong, and a self-feeding tap secured in connection with and projecting from one end of the carriage in axial alinement with said open end of the work and adapted for starting engagement therein upon movement of the carriage in a corresponding direction.

2,344,623

TELEPHONE SYSTEM

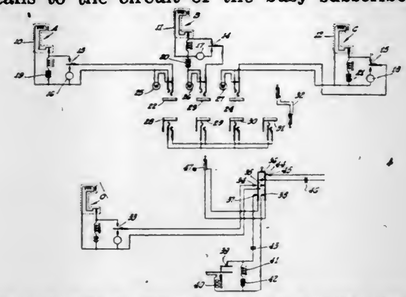
Julius Levy, Raymond M. Moore, and Henry Haves, Los Angeles, Calif.

Application August 25, 1942, Serial No. 456,024

2 Claims. (Cl. 179—84)

1. In combination with a telephone system having means for generating a busy tone signal and applying it to the circuit of a third subscriber attempting to call a subscriber whose line is busy, means for applying a portion of the busy tone

signal generated by said busy tone generating means to the circuit of the busy subscriber so



that the busy subscriber may be advised that his circuit is desired by the third subscriber.

2,344,624

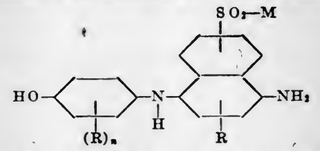
SULPHUR DYES OF THE HYDROXY-ANILINO-NAPHTHALENE-SULPHONAMIDE TYPE

Herbert A. Lubs and Newell M. Bigelow, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 21, 1941, Serial No. 394,490

7 Claims. (Cl. 260—133)

1. A sulphur dye produced by thionating a suphonamide represented by the formula



in which R is from a group consisting of hydrogen, halogen and methyl; n is an integer not greater than 2; and M is one of a group consisting of primary amino, secondary-alkyl and -hydroxyalkyl amino, secondary phenyl-amino and toluyl-amino, tertiary di-alkyl amino and tertiary alkyl-hydroxyalkyl amino groups wherein the alkyl groups are lower alkyl; by heating in the presence of a polysulphide of an alkali metal.

2,344,625

NEW HYDROXY-ANILIDO-NAPHTHALENE-SULPHONAMIDES

Herbert A. Lubs and Newell M. Bigelow, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application May 21, 1941, Serial No. 394,490. Divided and this application October 29, 1941, Serial No. 416,996

4 Claims. (Cl. 260—556)

1. 1-amino-4-(4'-hydroxy-anilino)-naphthalene-6-sulphonamide.

2,344,626

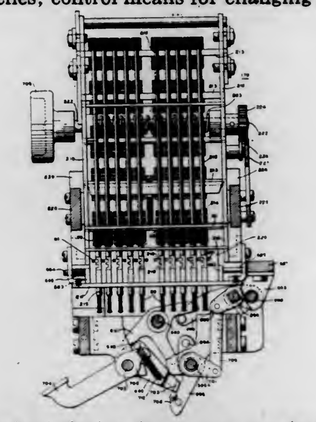
MULTIPLYING PUNCH

Harold P. Mixer, Rockville, Centre, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application August 1, 1940, Serial No. 349,101

4 Claims. (Cl. 235—61.6)

1. In a machine of the class described, in combination, sensing pins for reading coded digital representations of a factor from a punched data card; retaining means for holding said sensed data for subsequent multiplication by other factors sensed from other cards, said retaining means comprising a series of notched contact pins positioned by card sensing pins and a series of latches disposed between rows of said contact pins and arranged for normal engagement with the notches; control means for changing from an



old constant factor to a new constant factor when a punched data card with a predetermined control hole and a new constant factor punched therein is sensed, said control means comprising resilient end points on said contact pins for displacement by those sensing pins which have entered data holes, a sensing pin operating through said control hole and means operated by said pin for momentarily disengaging the latches.

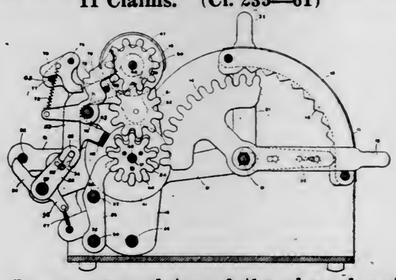
2,344,627

COMPUTING MACHINE

Harold P. Mixer, Rockville Centre, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

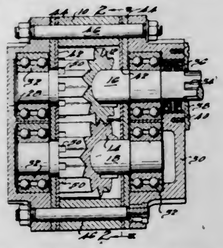
Application May 2, 1941, Serial No. 391,447

11 Claims. (Cl. 235—61)



1. In an accumulator of the class described, having a plurality of denominational orders, each of which contains a numeral gear and a resultant gear, coupling means connecting the numeral gear of each order to a resultant gear in the same order, eccentric coupling means connecting the resultant gear of each order to the resultant gear in the next higher order in a ten to one ratio to transmit tens carry amounts, means for visually indicating the accumulated amounts in each denominational order, said means comprising a floating pinion meshing with the resultant gear and an indicating wheel rotated by the floating pinion, and compensating means for removing carry amounts less than one from said indicating wheels, said compensating means comprising a snail cam rotating with the resultant gear and a cam follower engaging said snail cam and controlling the position of the floating pinion in the next higher order.

2,344,628
GEAR PUMP
John C. Monahan, Royal Oak, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application December 26, 1940, Serial No. 371,712
4 Claims. (Cl. 103—126)



1. In a fluid motor or gear pump construction, housing means, means providing inlet and discharge ports, intermeshing gears disposed within said housing means, shafts disposed within said housing means and fixed to said gears, wear plates bearing against the axial ends of said gears, portions at the ends only of said gears being removed adjacent the roots of the teeth thereof to provide pressure relief means, each of said removed portions beginning at the point of intersection of one of the lines of pressure with the flank of one of the teeth and extending around the bottom of the tooth opening and terminating at the point of intersection of the other line of pressure of the adjacent tooth.

2,344,629
REMOVAL OF ZINC FROM LEAD
Walter T. Menson, Newark, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
No Drawing. Application February 11, 1942, Serial No. 430,362
4 Claims. (Cl. 75—78)

1. A process for treating impure lead containing zinc but substantially free from other impurities which comprises stirring the impure lead in molten condition at high speed while maintaining it at a temperature of about 1100–1200° F. in the absence of an alkali-metal oxidizing agent, with an oxidizing agent selected from the group consisting of air and added powdered litharge, and added powdered litharge alone; where air and litharge are used as the oxidizing agent, the litharge being added substantially at the commencement of the stirring operation and constituting a quantity in addition to that formed by contact of the air with the impure lead; and the stirring being conducted under an atmosphere of inert gas when litharge alone is used as the oxidizing agent; thereby forming a dross consisting substantially of zinc oxide and lead oxide.

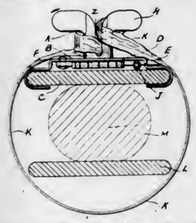
2,344,630
METHOD OF TEMPERING GLASSWARE
George D. Mylchreest, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 25, 1939, Serial No. 306,113
8 Claims. (Cl. 49—89)

1. The method of tempering glassware having a single opening and having side walls and a bottom wall, the latter being thicker than the side walls and forming therewith an interior angle approximating 90°, which comprises rapidly cooling the surfaces of the side walls and said bottom from a temperature above to one below the strain point of the glass by extracting heat from the side walls and bottom wall at different rates which are disproportionate to their thicknesses in that the rate of extraction of heat from said bottom is less than proportionate to its thickness, thereby increasing the



interior angle between the bottom wall and side walls and tending to place the internal surface layer of the glass in the region of the juncture of the side walls and bottom wall in tension, and applying a chilling medium locally to said internal surface layer to create in such region an opposing stress sufficient to overcome said tendtency and to place the said internal surface layer in compression.

2,344,631
SPLINT TENSIONING DEVICE
Reginald Hewitt Ashmore Paley and David William Hankin Hardy, Pretoria, Transvaal, Union of South Africa
Application December 21, 1942, Serial No. 469,592
In the Union of South Africa February 12, 1942
7 Claims. (Cl. 128—83)

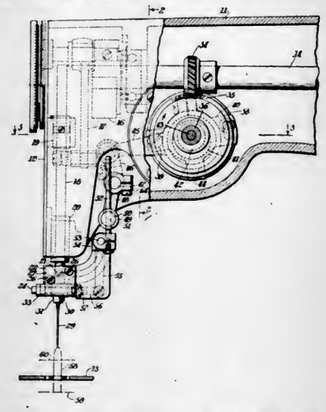


1. A tensioning device for a splint assembly which includes a pair of splints and a flexible strap adapted to encircle the same, said device comprising a base mounted on the outside of one splint, and a hand actuated winding member rotatably mounted on the base and projecting therefrom, said winding member being arranged for detachable connection with the end portions of the strap in winding and tensioning relation thereto; said base extending transversely of said one splint, the ends of the base being formed to provide inwardly facing, longitudinally extending slots below the base to slidably receive opposite edges of said one spint whereby the base is adjustable along said splint.

2,344,632
NEEDLE-VIBRATING MECHANISM FOR SEWING MACHINES
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 25, 1942, Serial No. 440,432
17 Claims. (Cl. 112—158)

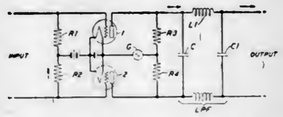
1. In a sewing machine having an endwise reciprocating needle-bar, a needle-carrier mounted upon and adapted to be shifted laterally of said needle-bar, a needle mounted on said needle-

carrier, a needle-vibrating rod pivotally carried by said needle-bar, said needle-vibrating rod being operatively connected to said needle-carrier,



and means connected to said needle-vibrating rod for shifting the needle laterally while the needle is out of the work, said means including a rotatable eccentric.

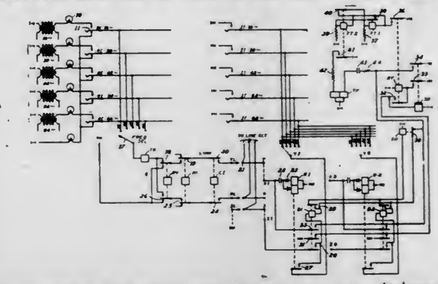
2,344,633
IMPULSE REPEATER
Kenneth W. Pfleger, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1941, Serial No. 418,983
5 Claims. (Cl. 178—70)



1. A repeating system including a source of low frequency impulses and means for repeating the impulses in regenerated form comprising a pair of tubes of the gas ionization type arranged in push-pull relation having their inputs coupled to the source through a highly resistive means, their plate or anode circuits being coupled to an outgoing path through highly resistive means, a source of alternating current voltage in the said plate circuits of a frequency greatly in excess of essential frequencies inherent in the impulses, and a filter between the outgoing path and the second-named resistor means adapted to suppress waves of the frequencies of the source of alternating current voltage but not to suppress waves of essential frequencies inherent in the impulses.

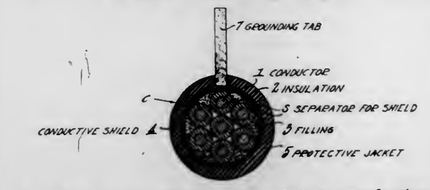
2,344,634
TELEPHONE INTERCEPT SYSTEM
Winfred T. Powell, Brighton, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application January 8, 1942, Serial No. 426,013
17 Claims. (Cl. 179—27)

1. In a telephone system, party lines, means for extending connections to said party lines, a common interrupter, means including said common interrupter for intermittently applying ringing currents of different character to connections extended to said party lines for selectively ringing stations thereon, means responsive to the application of said ringing currents to said lines effective in the event that the desired stations thereon are out of service for directing contem-



poraneous connections to a common intercept trunk, means for transferring one only of said contemporaneous connections to said common intercept trunk, and means for storing the other contemporaneous connections.

2,344,635
ELECTRICAL CABLE
Winfred K. Priestley, West Barrington, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 21, 1941, Serial No. 384,506
1 Claim. (Cl. 174—107)

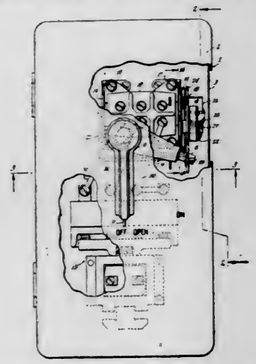


A cable comprising an insulated conductor, an electrically conductive shield surrounding said conductor but insulated therefrom, a protective waterproof sheath surrounding said shield, grounding tabs electrically connected directly to said shield and extending outwardly through said sheath, said tabs having outer end portions extending along and parallel to said sheath, removable protective coverings extending over the end portions of said tabs and retaining said end portions of said tabs in parallel relation to said protective sheath, and removable coverings adjacent to the outer end portions of said tabs to prevent their surfaces from being coated with the insulating material employed in said sheath so that clean electrically conductive grounding surfaces will be provided upon the removal of said last mentioned coverings.

2,344,636
ENCLOSED ELECTRIC SAFETY SWITCH
William J. Quast, Lake, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 21, 1941, Serial No. 389,565
11 Claims. (Cl. 200—50)

1. In a manually operable safety switch comprising a switch mounted within an enclosure having a removable cover, switch operating mechanism within said enclosure operable to actuate said switch to "on" or "off" positions, a second switch operating mechanism mounted on said cover and operable from the exterior of the enclosure and arranged to be in engagement to

actuate said first switch operating mechanism when the enclosure is closed and a releasable switch locking means to lock said switch in the



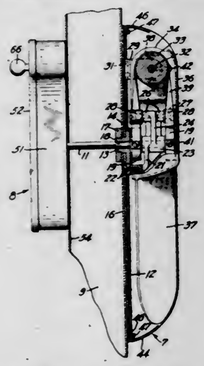
"off" position and operable by said second switch operating mechanism to its unlocked position when the said two switch operating mechanisms are in their engaged position.

2,344,637

VEHICLE DIRECTION SIGNALING SYSTEM

Ernest Lorenzo Rairdon, Oakland, Calif.

Application December 29, 1941, Serial No. 424,714
15 Claims. (Cl. 116—52)



1. A direction signal comprising a signal unit having an enclosure housing provided with an opening, a semaphore arm pivotally mounted in said enclosure housing and movable exteriorly thereof through said opening into one of a series of at least three exposed signaling positions, a rotatable member in said enclosure housing, means connecting said rotatable member with and to move said semaphore arm, a remote control unit comprising a housing, a latch lever and a separate control lever pivotally mounted in said control unit housing, movable within limits relative to said latch lever, and movable through a series of at least three signaling positions, a rotary member in said housing connected with and to be rotated by said latch lever, means connecting said rotatable and rotary members of the signal and control units, respectively, together for synchronous movement, a ratchet within said control unit housing having spaced notches therein indicating at least three of said signaling positions, an extensible ratchet pawl carried by said latch lever and movable, with the latch lever, along said ratchet and across said notches thereof, means carried by said latch lever and operable upon movement of said control lever for projecting said latch pawl toward said ratchet and into a notch thereof, and means thereafter operable for withdrawing said ratchet pawl from said notch.

2,344,638

MANUFACTURE OF INFLATABLE GAME BALLS

Leo E. Reeder, Cincinnati, Ohio, assignor to Sport Products Inc., Cincinnati, Ohio, a corporation of Ohio

Original application May 13, 1941, Serial No. 393,228. Divided and this application September 26, 1941, Serial No. 412,482
2 Claims. (Cl. 154—16)



1. In the manufacture of an inflatable game ball the steps of preparing an inflatable bladder with a wall sufficiently semi-firm and semi-flexible as to permit the application of windings thereto without deformation which consists in inflating an inflatable bladder through the valve therein, then applying a thin coating of an adhesive, then applying a thin coating of a batter composed of an adhesive within which fibrous material is thoroughly mixed, permitting the bladder with its thin coating to dry, then inserting the inflated bladder with its dried coating into a vulcanizing mold and inflating the bladder through the valve to about five pounds pressure, then vulcanizing the inflated bladder for several minutes, then deflating the bladder to prevent its bursting when removed from the mold, and after removal regulating the pressure within the bladder whereby windings may be applied thereto without deformation of the inflated bladder.

2,344,639

ILLUMINATED DISPLAY DEVICE

Paul M. Ressinger, Chicago, Ill.

Application August 17, 1942, Serial No. 455,072
10 Claims. (Cl. 40—130)



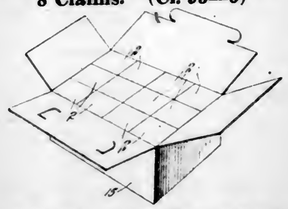
1. In a display device, a base, a panel extending upwardly from the base having display material thereon, a hollow ornamental object extending upwardly from said base, illuminating means in said object, said object being apertured to permit a limited illumination of its forward side, said object being provided with additional means for directing the illumination of the light source within said object against the display element.

2,344,640

PACKAGING METHOD

Paul Irving Rogers, Richmond Hill, N. Y.

Application March 4, 1942, Serial No. 433,259
8 Claims. (Cl. 93—6)



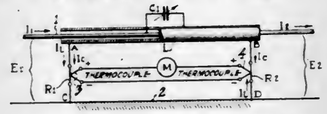
1. The method of sterile packaging which comprises preparing the tabs of a tuck-in folding box with adhesive, drying said adhesive, placing an article to be packaged within the box, folding in the said tabs thereof with the adhesive in unactivated condition and subjecting the box and contents to the successive action of steam and of dry heat and vacuum.

2,344,641

RADIO FREQUENCY WATTMETER

Charles A. Rosencrans, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 2, 1942, Serial No. 464,299
14 Claims. (Cl. 171—95)
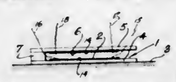


1. A radio frequency wattmeter for a power transmission line including a coupling device comprising unitary means surrounding and coaxial with a portion of one of the conductors of said line for both inductively and capacitively coupling said device to said line, a pair of current-responsive devices, means including said inductive and capacitive coupling for deriving substantially in-phase currents proportional to the current and the voltage respectively in said line, means including said inductive and capacitive coupling for deriving substantially oppositely phased currents proportional to the current and voltage respectively in said line, means for applying said in-phase currents to one of said current-responsive devices, means for applying said oppositely phased currents to the other of said current-responsive devices, an indicator, and means connecting said indicator to said current-responsive devices.

2,344,642

TEMPERATURE COMPENSATED STRAIN GAUGE

Arthur C. Ruge, Cambridge, Mass.

Original application September 16, 1939, Serial No. 295,207. Divided and this application August 5, 1942, Serial No. 453,682
4 Claims. (Cl. 201—63)



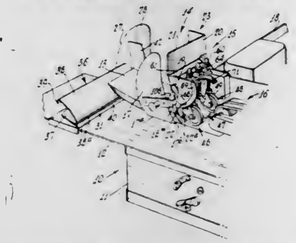
1. A gauge of the type having a continuous solid filament of electrical conducting material adapted to be secured throughout its effective length to a member subject to strain so as to transmit strain of said member fully to the filament and the electrical resistance of said filament varying in accordance with its strain, a piece of material supported at one end in fixed relation to said strain sensitive filament but slightly spaced therefrom so as to be free of any strain in said member but subject to substantially the same temperature thereof, and a second filament of electrical conducting material bonded throughout its effective length to said piece of material so as to be responsive to deformation thereof caused by temperature changes, whereby the two filaments may be connected as part of a measuring circuit so as to cancel out changes in resistance of the strain responsive filament arising from temperature changes therein.

2,344,643

APPARATUS FOR FEEDING ARTICLES TO MAIL TREATING MACHINES

Commodore D. Ryan and Edward P. Drake, Los Angeles, Calif., assignors to National Postal Meter Company, Inc., Rochester, N. Y., a corporation of Delaware

Application October 1, 1941, Serial No. 413,122
9 Claims. (Cl. 271—44)



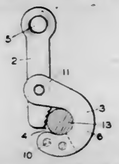
1. An envelope feeding device for a mail treating machine or the like comprising, in combination, a table adapted to support a stack of envelopes, side and rear plates immovably mounted adjacent said table for guiding respectively the leading and rear edges of the envelopes, a front plate adjustably mounted adjacent said table for guiding the front edge of the envelopes, the bottom edge of said front plate being spaced from said table during the adjustment of said front plate, and means for simultaneously locking said front plate in its adjusted position and for forcing the bottom edge thereof against said table.

2,344,644

LOAD SUPPORTING DEVICE

August R. Schwan, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application December 30, 1942, Serial No. 470,633
4 Claims. (Cl. 294—104)



1. In a load supporting device, the combination of an arm, the lower portion of said arm being shaped to form a gripping surface, a second arm composed of two similar arcuate members and a spacer disposed therebetween of less length than said members so that the end of said arm forms a yoke adapted to fit about said first arm, a bolt

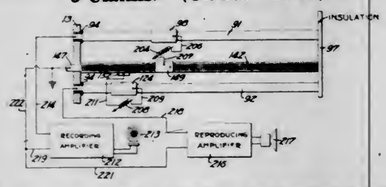
extending through said arcuate members and said first arm holding them together and constituting a pivot about which said second arm may be swung, said second arm being adapted to fit over the object to be supported and being adapted to be drawn about the object by the application of lifting forces to said first arm to cooperate with the gripping support to retain and to support the object.

2,344,645
PHOTOGRAPHIC SHUTTER OPERATING MECHANISM
Alfred Schwarz, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a corporation of New York
Application August 16, 1941, Serial No. 407,210
10 Claims. (Cl. 95—53)



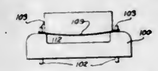
8. The combination with a camera shutter having a casing, operating means for the shutter disposed within and substantially enclosed by the casing including a presetting control lever, a releasable latching lever for holding the control lever in its preset position, spring means normally maintaining the latching lever in its holding position, and a trigger lever arranged to release the latching lever from its engagement with the control lever, of means operable independently of the trigger lever and without interfering with the operation thereof for moving said latching lever against the action of said spring from its initial operative holding position to a final inoperative position of release comprising an electromagnet also enclosed by said casing, said electromagnet including a coil part and an armature part, one of said parts being fixed relative to the casing and the other part being mounted on and movable with the latching lever, whereby when the electromagnet is energized the latching lever will be moved from its holding position to its inoperative position.

2,344,646
SOUND RECORDING APPARATUS
Charles D. Shrader, Oakland, Calif.
Application November 28, 1941, Serial No. 420,847
5 Claims. (Cl. 179—100.4)



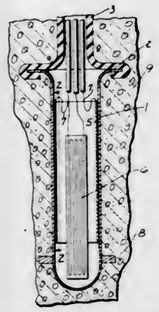
1. In a sound recording apparatus having a rotatable record drum, power means within and for rotating said record drum, a fixed guide bar extending along and in spaced relation to said record drum, a rotatable feed screw paralleling said guide bar and electrically insulated therefrom, means connecting said feed screw to be driven by said record drum rotating means, an electrical translating device mounted on said guide bar and connected to be moved along said guide bar by said feed screw, said electric translation device having insulated current terminals connected respectively with said guide bar and said feed screw, and utilization circuits connected, respectively, with said guide bar and said feed screw.

2,344,647
METHOD AND APPARATUS FOR MAKING STRAIN GAUGES
Edward E. Simmons, Jr., Pasadena, Calif.
Original application February 23, 1940, Serial No. 320,327, now Patent No. 2,292,549, dated August 11, 1942. Divided and this application January 1, 1942, Serial No. 425,359
3 Claims. (Cl. 201—63)



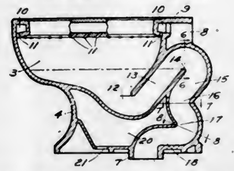
1. The method of forming a strain gauge of the type having a continuous solid filament of electrical conducting material whose electrical resistance varies with its strain consisting in winding a strand of the filament back and forth between a series of posts successively alternately positioned on opposite sides of a given line and then cementing the wound filament throughout its effective length to a membrane while said membrane and filament are pressed in a curved condition sufficient to insure that the filament between successive winding posts lies substantially in a single plane normal to the membrane, and thereafter removing the filament and membrane as a unit after the cement has sufficiently dried to hold the filament in position on the membrane.

2,344,648
MOISTUREPROOF STRAIN GAUGE
Edward E. Simmons, Jr., Pasadena, Calif.
Application June 20, 1942, Serial No. 447,825
13 Claims. (Cl. 201—63)



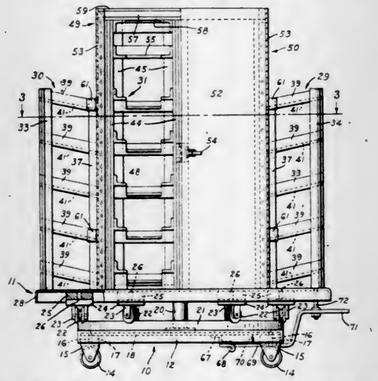
1. A moisture-proof strain gauge comprising in combination, a tubular member sealed against moisture entering the same, a filament whose electrical resistance varies in accordance with strain thereof disposed within said tube and bonded thereto throughout the effective length of the filament, and said tubular member having provision for being positively engaged by a body subject to strain whereby strains in the body cause a corresponding strain in the tubular member which transmits the strain through the bond to said filament throughout its effective length to cause a predetermined change in the electrical resistance of the filament.

2,344,649
WATER CLOSET
William E. Sloan, River Forest, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 241,791, November 22, 1938. This application February 20, 1942, Serial No. 431,744
3 Claims. (Cl. 4—69)



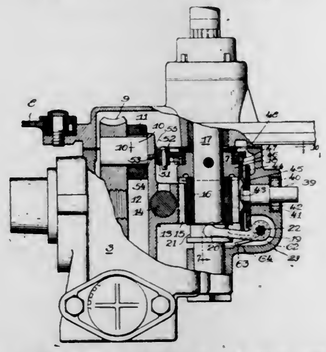
1. The method of flushing a toilet bowl which includes normally maintaining a substantial volume of water, in the bowl, in a static storage zone, delivering to the upper part of said storage zone a metered additional volume of water at a substantially uniform rate of flow substantially lower than the rate of flow of the water from the bowl during the flushing operation, initially retarding the movement of said additional water toward the discharge area of said storage zone and thereby building up a substantial additional volume of water in said storage zone, thereafter initiating a syphonic action from the storage zone, after a substantial additional volume of water has been delivered to the storage zone, and in response to said addition, syphoning from the storage zone the initially stored water and the additionally added water, at a rate of flow substantially in excess of the rate of flow of said additional water to the storage zone, continuing during said syphoning operation the delivery of said additional water to the upper part of the storage zone, and thereby increasing the volume of water to be syphoned during the syphoning operation, and terminating the flow of said additional water after the termination of the syphonic action, and after the delivery to said static storage zone of sufficient water to fill said zone for the next ensuing flushing operation.

2,344,650
LOADING APPARATUS
Howard M. Sloat, Fairfield, Conn.
Application November 5, 1942, Serial No. 464,675
4 Claims. (Cl. 211—139)



2. In a loading device, a dolly, a load carrying platform at the upper side of said dolly, load receiving racks on the upper side of said platform, means mounting said platform for turning movement relative to said dolly, said platform being of greater diameter than said dolly and extending beyond all sides of the latter, said platform having spaced bolt receiving openings therethrough in its portions beyond the side edges of the dolly, a lever pivoted to the dolly and extending beyond the outer peripheral edge of the platform, a spring normally tending to move said lever toward said platform, and a bolt carried by said lever and adapted to enter one of said openings in the platform and lock the latter against movement relative to the dolly.

2,344,651
TIMING MECHANISM FOR WASHING MACHINES
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application June 23, 1941, Serial No. 399,366
6 Claims. (Cl. 192—139)

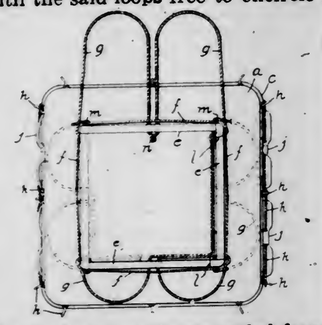


1. In a laundry machine of the oscillating agitator type having a reciprocating rack, an agitator shaft, a pinion loose on the shaft and in continuous mesh with the reciprocating rack but adapted to be clutched to the shaft for oscillating the agitator, timing mechanism for automatically controlling and timing the washing operation comprising a manually actuated control member rotatably mounted on the exterior of the laundry machine and provided with designations of time for which the washing operation may be set, a shifter for vertically moving the pinion into and out of clutching engagement with the agitator shaft, a spring for moving the shifter and pinion into clutching engagement, a cam for moving said shifter and pinion out of clutching engagement to disengage power to the agitator, and a ratchet, pawl, and gear assembly associated with the rack and control member for actuating the cam and moving the shifter upon the expiration of a designated time period to declutch the pinion and stop the washing operation.

2,344,652
LIFESAVING APPARATUS
Edward Frank Spanner, London, England
Application September 23, 1940, Serial No. 358,011
In Great Britain August 10, 1940
1 Claim. (Cl. 9—11)

Lifesaving apparatus comprising a single thin reversible watertight container, buoyant material in said container, hawses on the external peripheral wall of said container, a looped rope harness applied to each side of said container, notched

strips for slidingly securing said harnesses in place with the said loops free to encircle persons



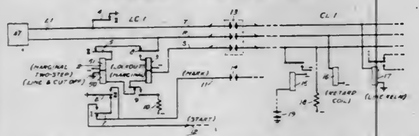
and individual seats each suspended from two of said hawses to support respectively the persons encircled by said loops.

2,344,653

TELEPHONE LINE CIRCUIT

Michael B. Staszak, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois

Application April 10, 1941, Serial No. 387,928
6 Claims. (Cl. 179—18)



1. In a telephone system wherein switching equipment is provided in common for interconnecting telephone lines, a line circuit for the individual use of one of said telephone lines, said line circuit including a two-step relay operable through its first step over the associated line to indicate the origination of a call thereon, means including a portion of said common switching equipment for extending a connection from the said telephone line, means operated over the said extended connection for fully energizing said two-step relay as a cutoff relay to clear the calling line for talking purposes and to terminate the indication of a calling condition thereon, a lockout relay associated with said two-step relay, means for operating said lockout relay over the extended connection when there is an abnormal or trouble condition on the calling line, and circuit means included in said lockout relay for disconnecting and restoring said two-step relay and for maintaining the lockout relay operated under the control of the associated line as long as the said abnormal or trouble condition continues.

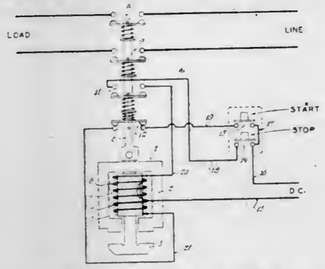
2,344,654

RESIDUALLY MAINTAINED DIRECT CURRENT ELECTROMAGNET

Karl K. Stong, Whitefish Bay, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application November 15, 1941, Serial No. 419,305
6 Claims. (Cl. 175—375)

1. In combination, a switch biased to its open circuit position, a switch biased to its closed circuit position, an electromagnet coupled to actuate said two switches and having a magnet core structure which, when energized by a suitable momentary direct current magnetizing force to effect movement from "open" to "closed" position, retains sufficient residual magnetism to maintain said two switches in operated position against the biasing means, a magnetizing means for said electromagnet controlled by said second switch, a demagnetizing means for said electromagnet controlled by said first switch, and a source of direct current power; control means, including said second switch, to connect said source of direct current power to said magnetizing means to effect movement from "open" to "closed" position, the supply of direct current power to said magnetizing means being interrupted by said second switch when said electromagnet approaches substantially "closed" position, and the decay of flux following said interruption being substantially retarded by a low resistance coil linking the magnetic circuit of said electromagnet to secure increased residual magnetism to maintain said two switches in operated position against the biasing means; and a second control means, including said first switch, to connect said source of direct current power to said demagnetizing means to effect the return of said electromagnet from "closed" to "open" position with said low resistance coil retarding the rate of demagnetization of said electromagnet to permit an increased time for the electromagnet to return to the "open" position and the supply of direct current power to said demagnetizing means being interrupted by said first switch when said electromagnet returns to substantially "open" position.

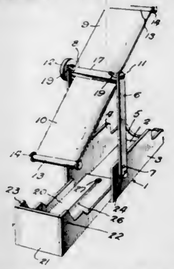


2,344,655

STENOTYPE COPYHOLDER

Harry Gordon Sullivan, De Land, Fla.

Application May 7, 1942, Serial No. 442,131
7 Claims. (Cl. 120—29)



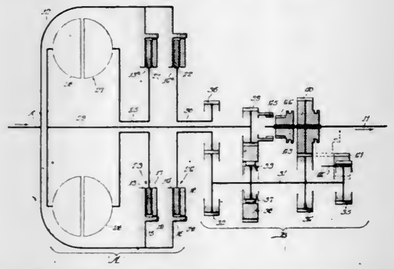
1. Copy holder for stenotype copy strip including a member comprising a pair of diametrically opposite arms rotatable upon a horizontal axis, adapted to be overlain by an extended portion from a pile of zigzag folded copy strip placed below said member adjacent the advance end thereof, the length of said member between the ends of said arms being substantially the distance between alternate lines of fold of said copy strip, whereby the ends of said arms successively intergear with the successive dihedral bights on the under side of said copy strip at alternate lines of fold, and manual means for rotating said member through successive steps, to lift successive lengths of said copy strip, each length comprising two fold-defined sections thereof, from said pile and hold it substantially flat at any desired display angle with the opposite ends of said member simultaneously engaging successive dihedral bights on the under side of said copy strip to integrate said strip with said member, and to successively deposit said lengths in a pile at the rear of said member.

2,344,656

TRANSMISSION

Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application February 2, 1942, Serial No. 429,158
5 Claims. (Cl. 74—189.5)



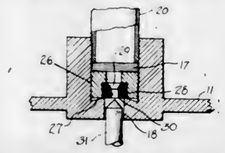
In a transmission, the combination of a drive shaft, a driven shaft, a hydrodynamic power transmitting device adapted to be driven by said drive shaft, means for releasably connecting directly said driven shaft with the driven element of said hydrodynamic device, a set of reduction gearing, a clutch for connecting said driven shaft with said drive shaft through said reduction gearing, and means for connecting said driven shaft with the driven element of said hydrodynamic device and including a second set of reduction gearing and a one-way clutch adapted to overrun when said first-named connecting means is operative.

2,344,657

VALVE SEAT CONSTRUCTION

Otto Thiel, Detroit, Mich.

Application February 26, 1943, Serial No. 477,193
1 Claim. (Cl. 251—167)



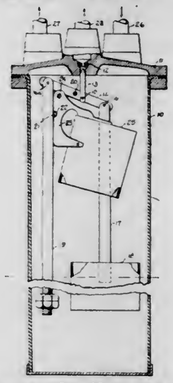
Valve seat construction comprising a base having a threaded socket and a co-axial valve guide bore opening thereto, the bore being of less diameter than the socket, a hollow nut threaded into the socket and having a counter bored lower surface, a rubber valve seat ring in the counter bore of the nut bearing on the lower surface of the socket, a conical end valve member in the guide bore for closing the seat ring opening at its lower end, and a separating groove in the lower face of the ring around the ring opening, spaced inwardly from the socket engaging portion of the ring, to prevent the ring opening from being deformed by the engagement of the ring and the socket.

2,344,658

VALVE CONTROL MEANS

Otto Thiel, Detroit, Mich.

Application February 26, 1943, Serial No. 477,194
7 Claims. (Cl. 137—69)



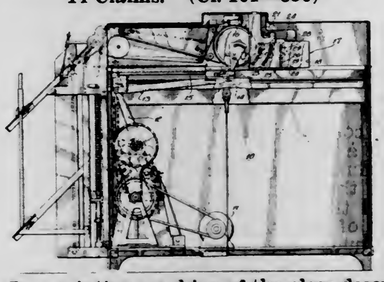
1. Control means for the upper head vent valve of a tank having a gas-charged-liquid inlet and a gas-charged-liquid outlet and having a vent, and a valve below it for rising and closing it, or for dropping and opening it, comprising a counterweight for biasing said valve upwardly to close, an open top cup at the lower end of the tank operatively connected to the counterweight and to the valve in such a manner that when it rises it frees the counterweight to drop, and thus lift the valve to close, and when it drops, it overcomes and lifts the counterweight, and lowers the valve to open, means providing a latch for the counterweight to prevent it from rising or falling, and an open bottom cup at the upper end of the tank, operatively connected to the latch in such a manner that when it rises it unlatches or releases the counterweight, freeing it so as to be under the control of the lower cup, and when it drops it resets the latch in position to seize the counterweight and hold it, if and when the counterweight rises to the latch in response to a lowering of the lower cup.

2,344,659

FOUNTAIN ASSEMBLY

John Duke Tyler, Stamford, Conn.

Application July 2, 1941, Serial No. 400,731
14 Claims. (Cl. 101—356)



1. In a printing machine of the class described, an inking assembly comprising spaced main

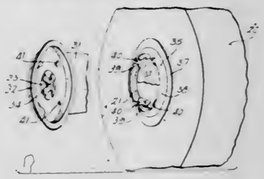
plates, supports for a fountain assembly formed on the said main plates, a fountain assembly insertible as a unit between said plates and adapted to rest on said supports, a fountain roller on said fountain assembly, and a ductor roller supported by said main side plates cooperable with said fountain roller.

2,344,660

WEB DISPENSER

Frank P. Vaughan, Winnetka, Ill., and Albert G. Krueger, Norman J. Slye, and John B. Engel, Green Bay, Wis., assignors to Bay West Paper Company, Green Bay, Wis., a corporation of Wisconsin

Original application August 2, 1940, Serial No. 349,866, now Patent No. 2,308,840, dated January 19, 1943. Divided and this application July 23, 1941, Serial No. 403,596
11 Claims. (Cl. 242—68)



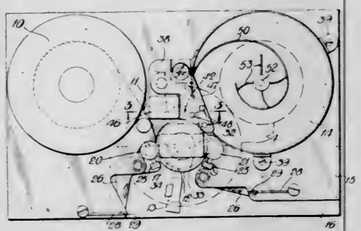
1. A dispenser for web material mounted in a roll upon a core having an apertured end cap, said dispenser comprising means for supporting one end of said core and a pivoted mount for supporting the other end of said core, means for frictionally restraining the pivotal rotation of said mount, and an inclined prong carried by said mount and engageable in the aperture of the end cap by rotation of the roll and cap in a direction opposite that of prong inclination, said mount having portions complementary to the end cap and engageable therewith.

2,344,661

METHOD AND APPARATUS FOR ACCUMULATING MATERIAL IN SPIRALS OR ROLLS

William Bell Wait, New York, N. Y.

Application September 17, 1940, Serial No. 357,094
7 Claims. (Cl. 242—55)



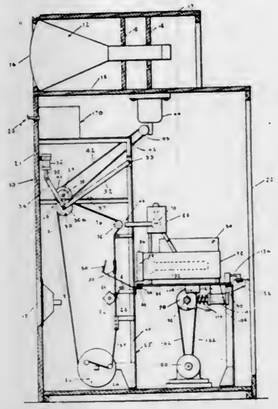
6. A coreless sheet material accumulator comprising a flexible spiral spring guide and means for feeding and guiding a sheet against the inner face of the outer convolution of the spiral guide parallel thereto and along the guide in the direction of decreasing radii, the inner end of the spiral guide being shaped to return the forward end of the sheet upon itself at a point within the spiral and beyond the point of first contact with the outer convolution.

2,344,662

SELECTIVE AUTOMATIC APPARATUS FOR REPRODUCING IMAGES FROM RECORDS THEREOF

Matthew P. Warner and Selig S. Liese, Freeport, N. Y.

Application April 2, 1942, Serial No. 437,344
19 Claims. (Cl. 178—5.8)



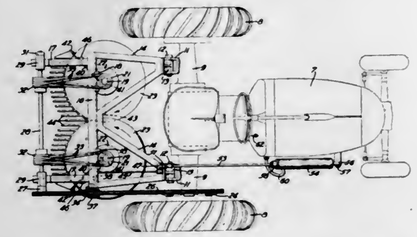
1. In apparatus of the character described comprising means for mounting a plurality of motion picture films for the individual running thereof in laterally spaced paths, respectively, a cathode-ray vision tube for the reproduction of said films, and a picture pick-up device operatively connected to said vision tube and mounted for movement transversely of said films to selected positions in relation to said films, respectively, for the reproduction of said films, respectively; means for moving said pick-up means to said selected positions comprising a movable carriage for said pick-up device, power driven means adapted to be connected to and disconnected from said carriage, means operative to connect and to disconnect said power driven means to and from said carriage, and selectively operable means for controlling the operations of said connecting means.

2,344,663

SUBSURFACE CROP HARVESTER

Albert C. Wood, Rio Vista, Calif.

Application October 12, 1942, Serial No. 461,711
10 Claims. (Cl. 55—62)



1. Means for harvesting plant growths, in the nature of asparagus, which consist of vertical shoots growing substantially vertically through a ridged drill and substantially totally covered by the soil forming said ridged drill, comprising

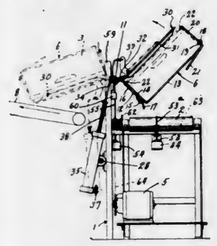
a disk cutter adapted to penetrate and to be moved along said ridged drill, said disk cutter having a continuous sharpened peripheral edge for engaging said shoots intermediate the tips and roots thereof, means for rotating said disk cutter to effect cutting of said shoots by the sharpened peripheral edge of the disk cutter, means for conveying said cut shoots from the ridged drill and for depositing said cut shoots along a side of said ridged drill, and means for arresting movement of a substantial amount of the soil of said ridged drill together with said cut shoots toward the point of deposition of said cut shoots.

2,344,664

BOX DUMPING APPARATUS

Loyd Adams, Maywood, Calif., assignor to Calavo Growers of California, Los Angeles, Calif., a corporation of California

Application February 11, 1941, Serial No. 378,370
7 Claims. (Cl. 214—1.1)



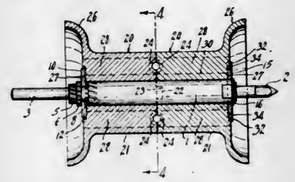
1. In an article handling device, the combination of a frame, a container gripping means pivotally supported by the frame, a cover pivotally supported by the frame, means for rotating the container gripping means to invert the container, the cover being positioned in the path of movement of the container to be moved therewith, means operatively connected with the cover and the frame for resisting movement of the cover whereby the cover is yieldably forced against the container during inversion of the container, the said latter means being operative to permit the cover to remain in inverted position as determined by the weight of an article on the cover as the container rotating means operates to lift the container away from the cover, and being operative to return the cover to its position in the path of a container when the contents of the container have been discharged off from the cover.

2,344,665

FISHING REEL SPOOL CONSTRUCTION

Walter L. Adams, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio

Application December 31, 1941, Serial No. 425,103
6 Claims. (Cl. 242—125)



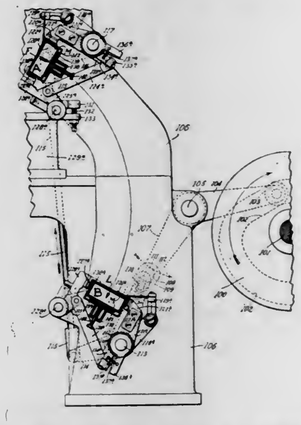
1. A spool assembly for fishing reels, comprising a central shaft, a groove at one end of the shaft, a spool section on the shaft the outer face of which is provided with a socket, a disk fitting into the socket and having a radial slot by which it may be seated in the groove, a second spool section on the shaft, a second disk fitting in a socket on the second spool section, and means on the second disk to interlock the shaft and the spool section against relative rotation.

2,344,666

HIGH SPEED CIGARETTE PACKAGING MACHINE

Charles Arelt, Richmond Hill, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application February 20, 1940, Serial No. 319,864
9 Claims. (Cl. 93—12)



1. The combination with a traveling box-shaped support, of means for feeding a wrapper into the path of said support, a clamp for pressing the wrapper against one face of said support, a U-shaped folder for draping the clamped wrapper over the sides of the support, mechanism for folding the edges of the clamped wrapper into overlapping relation on a face of said support opposite that to which the wrapper is clamped, and members for pressing the wrapper against the corners of the support adjacent the face on which the wrapper edges are overlapped, during the operation of said folding mechanism.

2,344,667

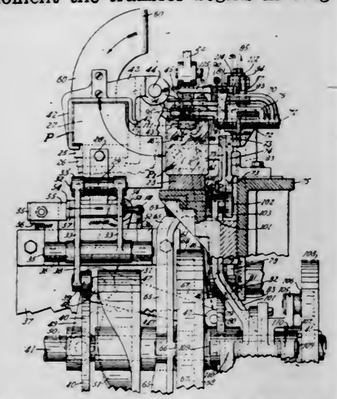
FEELER CONSTRUCTION FOR PACKAGE STAMPERS

Charles Arelt, Richmond Hill, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Original application April 30, 1940, Serial No. 332,485, now Patent No. 2,259,445, dated October 21, 1941. Divided and this application September 12, 1941, Serial No. 410,492
4 Claims. (Cl. 198—27)

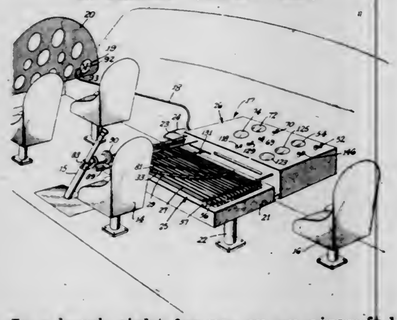
1. The combination with a transfer member having an opening arranged to admit the leading package of a row of advancing packages and movable transversely of said row from package-receiving position to delivery position, a yielding feeler normally disposed in said opening to engage the package inserted into said transfer and adapted to be displaced out of said opening by said package, and mechanism for relieving the pressure exerted by said feeler on

the package inserted into said transfer from the moment the transfer begins moving toward



delivery position and while the latter moves toward delivery position to avoid smudging said package.

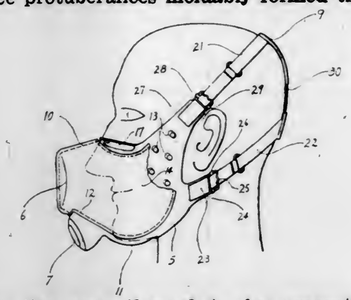
2,344,668
SIGHTING DEVICE
Clarence G. Axtmann, Sacramento, Calif.
Application July 28, 1941, Serial No. 404,329
13 Claims. (Cl. 33—46.5)



1. In a bomb sight for use on an aircraft having means for carrying and releasing a bomb, the combination of: curve forming means on said aircraft for producing a curve representing on a reduced scale the locus of all points from which a bomb released from said aircraft will fall upon an objective represented by the origin of said curve; sighting means for defining a sighting line trainable on said objective; sight line indicating means mounted for pivotal movement about the origin of said curve; and means coupling said indicating means for movement in correspondence with the angular movement of said sighting line relative to said objective, whereby arrival of said aircraft at the correct bomb release point is indicated by the arrival of the intersection of said indicating means with said curve at a point corresponding to the elevation of said aircraft with respect to said objective.

2,344,669
DUST RESPIRATOR
Maurice E. Barker, Washington, D. C., Philip E. Young, Fairhaven, Mass., and John N. Bruce, Edgewood Arsenal, Md., assignors to The Secretary of War of the United States of America
Application May 12, 1942, Serial No. 442,616
3 Claims. (Cl. 128—146)

1. A rubber facepiece for respirators adapted to have a sheet of filtering material secured in confronting relation thereto and provided with surface protuberances moldably formed thereon



within the area thereof to be presented to the filtering material for spacing the latter from the facepiece.

2,344,670
METHOD OF PROCESSING MICA
Helen Blair Barlett, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 29, 1942, Serial No. 428,793
11 Claims. (Cl. 125—24)

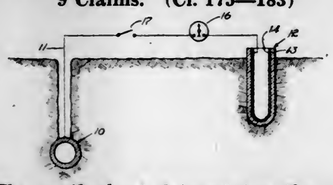


1. The method of orienting mica sheets to prevent cracking in bending comprising the formation of weakness cracks in the mica sheets, and bending the mica sheets about the axis of least weakness as indicated by the cracks.

2,344,671
HIGHER MOLECULAR ALCOHOLS
Heinrich Bertsch, Rabenstein, near Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 3, 1938, Serial No. 228,459. In Germany August 18, 1928
6 Claims. (Cl. 106—3)

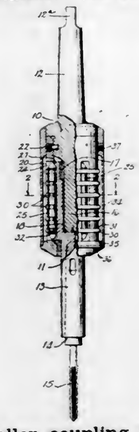
1. Preparations for the working of metals containing a base material consisting essentially only of water insoluble fatty alcohols of 18 carbon atoms.

2,344,672
METHOD OF MEASURING EARTH POTENTIALS
Herbert Blasier, Arcadia, Calif.
Application March 23, 1940, Serial No. 325,593
9 Claims. (Cl. 175—183)



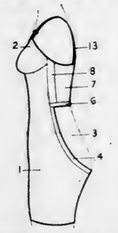
1. The method of determining the potential difference between a buried metal structure and a point in the earth which includes placing a conductor in known capacitative relation with that point, connecting the conductor to the buried metal structure, and measuring the quantity of electricity that flows through the connection as a result of said potential difference.

2,344,673
SAFETY ROLLER COUPLING
Lowell H. Brown, Waukesha, Wis.
Application February 16, 1942, Serial No. 431,007
10 Claims. (Cl. 64—29)



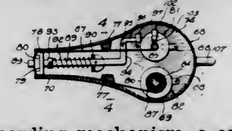
1. A safety roller coupling for rotary driving and driven members, comprising the combination of a driving member having a sleeve-like extension provided with longitudinal slots, a driven member in telescoped relation to said extension and provided with corresponding longitudinal grooves, rollers loosely engaged in said slots, each roller having a relatively small segment normally engaged in one of the grooves, and split rings of resilient material encircling said sleeve-like extension to hold the rollers from outward movement in said slots under normal power transmitting conditions, said rings being free from attachment to either the driving or driven member and adapted to be actuated by the rollers when rolling from one groove to the next.

2,344,674
SEATLESS UNDERGARMENT
Zena Brown, Chicago, Ill.
Application July 24, 1940, Serial No. 347,118
8 Claims. (Cl. 2—78)



1. A woman's close-fitting bifurcated undergarment composed of flexible knitted fabric, with continuous leg-covering portions and continuous permanently attached crotch portion, having the upper edge of the seat portion crossing the figure below the fullest part of the buttocks, substantially at a height at which said upper seat edge will maintain a telescopic relationship with the lower edge of a girdle; elastic banding applied to said upper edge of the seat portion, which serves to maintain the fit and shape of the garment after it is stretched downward and forward in use; an elastic banding emanating, substantially at each side of the wearer, from the elastic banding at the upper edge of the seat and extending upwardly to the waistline; elastic banding at the waistline, from which depend the two aforementioned elastic side bandings, cut to a length which measures less than the actual body distance they traverse, and by means of which bandings the upper edge of the seat is held under elastic tension which readily restores it to its original position on the wearer after it is stretched downward and forward in use.

2,344,675
RECORDING MECHANISM
Edgar D. Burts, Columbus, Ga.
Application October 5, 1940, Serial No. 359,971
2 Claims. (Cl. 234—57)

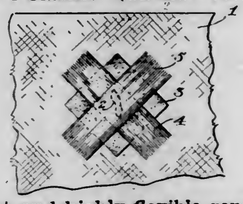


1. In a recording mechanism, a casing having an enlarged portion and a reduced end projecting therefrom and provided with an opening extending thereacross, a pair of spools in the enlarged portion of said casing supporting a record strip connected to said spools to be wound on one and unwound from the other, said record strip between said spools extending into the projecting portion of said casing and having a portion extending across said opening to receive a record thereon when the projecting end of the casing is inserted into a record printing device.

2,344,676
PROCESS FOR PRODUCING A RESIN OF THE INDENE - STYRENE - HOMOLOG COUMARONE TYPE
Edwin Louis Cline, Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application July 19, 1940, Serial No. 346,292
9 Claims. (Cl. 260—81)

2. In a process for production of a resin from a resin oil in which the major proportion of the polymerizable constituents consists of indene, coumarone, styrene and their homologs, at least 20% being homologs of styrene, the steps that comprise heating the oil to effect polymerization to resin polymer of about 20% to 60% of the polymerizable constituents of the oil by means of heat alone, treating unpolymerized constituents of the oil with a resin-producing catalyst to form catalytic resin polymer, and blending the product of heat polymerization with the product of catalytic polymerization to form a solid blended resin.

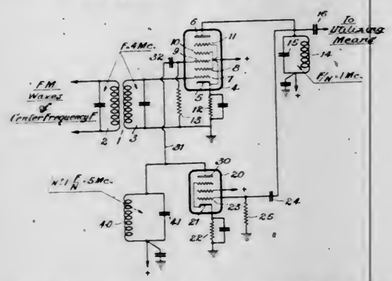
2,344,677
TIRE PATCH
Charles A. Cornell, Johnstown, Ohio
Application December 16, 1941, Serial No. 423,231
4 Claims. (Cl. 152—367)



1. A light and highly flexible repair patch for tire casings, consisting of a flexible body portion

of non-abrasive rubber only, and two superposed single ply members of rubberized cord overlying the body portion, said single ply members being angularly arranged and in strip form narrower than the body portion to extend beyond the margin of the body portion, the cords of said members extending longitudinally thereof.

2,344,678
FREQUENCY DIVIDER NETWORK
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1941, Serial No. 385,800
5 Claims. (Cl. 250—20)



1. In a frequency division network, a tube provided with at least an electron emission element, an output electrode and at least two cold electrodes located in the electron stream to said output electrode, a source of frequency modulated oscillations of a predetermined mean frequency and predetermined frequency deviation connected to one of said cold electrodes, an output circuit connected to said output electrode, said output circuit being tuned to a subharmonic frequency

$$\frac{F}{N}$$

where F equals said predetermined frequency and N is an integer, a second tube provided with at least an electron emission element, an output electrode and an input electrode, means for impressing from said output circuit upon said second tube input electrode frequency modulated oscillations of said subharmonic frequency and whose deviation is reduced by N, a second output circuit connected to said second tube output electrode, said second output circuit being tuned to a frequency

$$(N \pm 1)\frac{F}{N}$$

and means for applying to said second cold electrode of said first tube frequency modulated oscillations developed across said second output circuit, the gain at said source being chosen sufficiently high so that said first tube threshold is above the noise level whereby oscillations of mean frequency

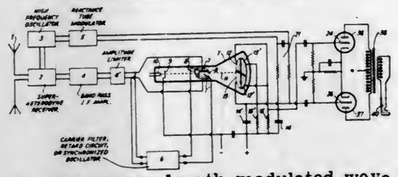
$$\frac{F}{N}$$

are not developed in said first tube output circuit in the absence of frequency modulated oscillations at said source whose amplitude overrides said noise level, and said first tube additionally functioning as an amplitude limiter in response to said oscillations of mean frequency

$$\frac{F}{N}$$

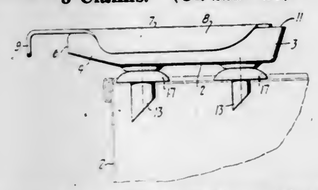
being produced.

2,344,679
BEAM PHASE DETECTOR
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 3, 1941, Serial No. 386,639
12 Claims. (Cl. 250—27)



1. A carrier wave length modulated wave demodulation system comprising, a cathode ray tube having a plurality of spaced target electrodes connected directly to a modulation signal output circuit, means for deflecting the path of the ray of said tube on said target electrodes in accordance with the wave length modulation on said wave, and the spacing between the target electrodes being sufficiently smaller than the deflection amplitude to maintain the target current in said output circuit constant despite amplitude variations of the carrier wave.

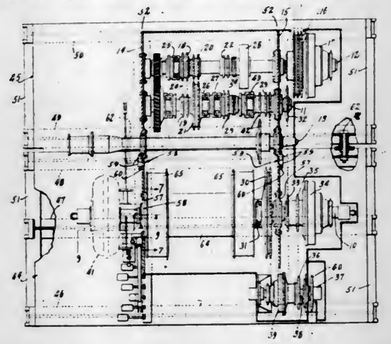
2,344,680
POURING SPOUT
Michael de Cosmo, Oakland, Calif., assignor to Angelo M. Norza, San Francisco, Calif.
Application April 19, 1941, Serial No. 389,403
8 Claims. (Cl. 221—23)



1. A spout for a container comprising a trough-shaped pouring head having a base wall with two oppositely disposed side walls and one end wall extending from the base wall, a closure on the head and having side flanges slidably embracing the side walls thereof and an end flange to form another end wall therefor, and means on the head for penetrating the container to provide discharge and air inlet passages between the container and said head.

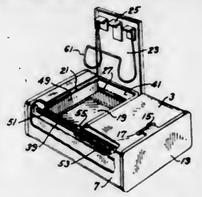
2,344,681
DRAW WORKS
Richard E. Deschner, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 10, 1941, Serial No. 392,882
6 Claims. (Cl. 254—187)

3. In a rotary drawworks, the combination of a drumshaft having a spooling drum mounted thereon, a pair of separable skid frame assemblies positioned side by side and extending longitudinally of said drumshaft, a pair of spaced parallel bearing supports extending transversely of said skid frame assemblies and secured integrally thereupon, bearing means carried on the front portion of each of said bearing supports adapted to support the drumshaft, a jackshaft and a lineshaft each disposed parallel to said drumshaft, bearing means carried on the rear portion of each of said bearing supports adapted to support the jackshaft and the lineshaft, means to drive the jackshaft, means whereby the jackshaft may drive the line shaft, means whereby the lineshaft may drive the drumshaft including aligned sprockets on the shafts connected by a drive chain, the bearing supports each being split along



a joint dividing the said front portion from the said rear portion and extending upward from a position between said skid assemblies, securing means spaced at intervals along said joint, said securing means being releasable to permit separation of the front and rear portions upon disconnection of said drive chain.

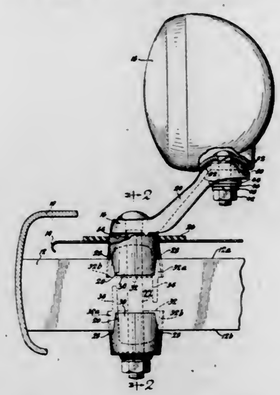
2,344,682
ASH TRAY
James Kenneth Dodge and Martin William Johnson, Albany, Calif.
Application October 20, 1941, Serial No. 415,724
6 Claims. (Cl. 206—37)



1. A pocket ash tray or the like comprising a container having a top wall opening and an end opening, independently openable closures for both said openings, a slidable gate normally positioned beneath said top wall opening closure, said gate normally sealing communication to the interior of said container via said top wall opening and adapted to be slid sufficiently to expose said opening to the interior of said container, and a hanger spring affixed to the underside of the closure for said top wall opening.

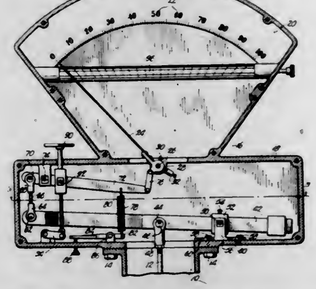
2,344,683
CLAMP AND MOUNTING BRACKET
Grove S. Dow, Jr., and George W. Onksen, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 20, 1941, Serial No. 407,676
2 Claims. (Cl. 24—263)

1. A supporting bracket adapted to be secured to a bar of substantially rectangular cross-section including a pair of relatively movable clamping members with means to draw said members together to clamp the bar therebetween in which each of said clamping members comprises a cup-shaped member having a transverse slot to provide spaced lips to receive an edge of the bar, one of said lips being formed with spaced arc-shaped surfaces adapted to extend on one side of



the bar and contact the corner of the edge of the bar at longitudinally spaced points, and the other of said lips being formed with spaced flat surfaces adapted to engage the face of the bar at longitudinally spaced points on the opposite side thereof.

2,344,684
WEIGHING SCALE
Edwin J. Eisner, Kansas City, Mo., assignor to Apex Scale & Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application October 28, 1941, Serial No. 416,780
2 Claims. (Cl. 265—68)



1. In a scale of the character described, having a draw rod, a weight indicating head comprising a supporting frame provided with indicia; a pivotally mounted indicator movable across the indicia upon actuation of the draw rod; and structure interconnecting the rod and said indicator, said structure being housed by said frame and removable as a unit therewith from the remaining parts of the scale, said structure including an arm pivoted near its medial point to the rod, a fulcrum between one end of the arm and said pivot, a lever pivoted intermediate its ends to the frame, a link joining the other end of said arm and one end of the lever, means operably securing the other end of the lever to the indicator, and a weight-receiving platform on the lever between its pivotal connection and the said other end thereof, said platform extending exteriorly of the frame.

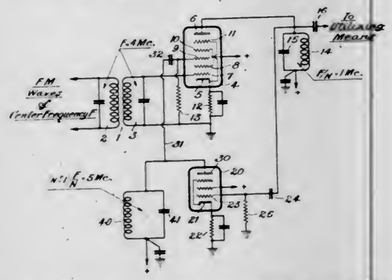
of non-abrasive rubber only, and two superposed single ply members of rubberized cord overlying the body portion, said single ply members being angularly arranged and in strip form narrower than the body portion to extend beyond the margin of the body portion, the cords of said members extending longitudinally thereof.

2,344,678

FREQUENCY DIVIDER NETWORK

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 29, 1941, Serial No. 385,800
5 Claims. (Cl. 250—20)



1. In a frequency division network, a tube provided with at least an electron emission element, an output electrode and at least two cold electrodes located in the electron stream to said output electrode, a source of frequency modulated oscillations of a predetermined mean frequency and predetermined frequency deviation connected to one of said cold electrodes, an output circuit connected to said output electrode, said output circuit being tuned to a subharmonic frequency

$$\frac{F}{N}$$

where F equals said predetermined frequency and N is an integer, a second tube provided with at least an electron emission element, an output electrode and an input electrode, means for impressing from said output circuit upon said second tube input electrode frequency modulated oscillations of said subharmonic frequency and whose deviation is reduced by N, a second output circuit connected to said second tube output electrode, said second output circuit being tuned to a frequency

$$(N \pm 1)\frac{F}{N}$$

and means for applying to said second cold electrode of said first tube frequency modulated oscillations developed across said second output circuit, the gain at said source being chosen sufficiently high so that said first tube threshold is above the noise level whereby oscillations of mean frequency

$$\frac{F}{N}$$

are not developed in said first tube output circuit in the absence of frequency modulated oscillations at said source whose amplitude overrides said noise level, and said first tube additionally functioning as an amplitude limiter in response to said oscillations of mean frequency

$$\frac{F}{N}$$

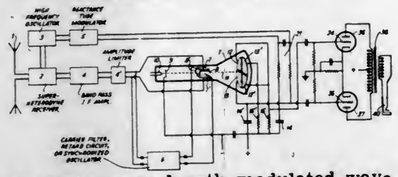
being produced.

2,344,679

BEAM PHASE DETECTOR

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 3, 1941, Serial No. 386,639
12 Claims. (Cl. 250—27)



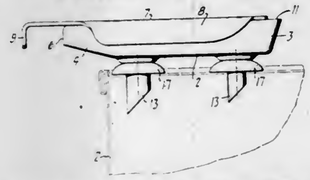
1. A carrier wave length modulated wave demodulation system comprising, a cathode ray tube having a plurality of spaced target electrodes connected directly to a modulation signal output circuit, means for deflecting the path of the ray of said tube on said target electrodes in accordance with the wave length modulation on said wave, and the spacing between the target electrodes being sufficiently smaller than the deflection amplitude to maintain the target current in said output circuit constant despite amplitude variations of the carrier wave.

2,344,680

POURING SPOUT

Michael de Cosmo, Oakland, Calif., assignor to Angelo M. Norza, San Francisco, Calif.

Application April 19, 1941, Serial No. 389,403
8 Claims. (Cl. 221—23)



1. A spout for a container comprising a trough-shaped pouring head having a base wall with two oppositely disposed side walls and one end wall extending from the base wall, a closure on the head and having side flanges slidably embracing the side walls thereof and an end flange to form another end wall therefor, and means on the head for penetrating the container to provide discharge and air inlet passages between the container and said head.

2,344,681

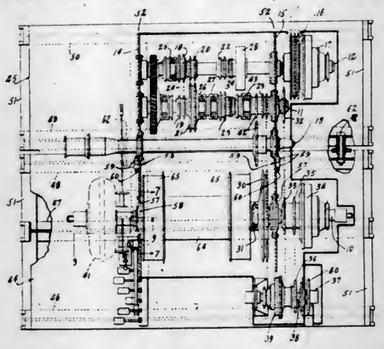
DRAW WORKS

Richard E. Deschner, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 10, 1941, Serial No. 392,882
6 Claims. (Cl. 254—187)

3. In a rotary drawworks, the combination of a drumshaft having a spooling drum mounted thereon, a pair of separable skid frame assemblies positioned side by side and extending longitudinally of said drumshaft, a pair of spaced parallel bearing supports extending transversely of said skid frame assemblies and secured integrally thereupon, bearing means carried on the front portion of each of said bearing supports adapted to support the drumshaft, a jackshaft and a lineshaft each disposed parallel to said drumshaft, bearing means carried on the rear portion of each of said bearing supports adapted to support the

jackshaft and the lineshaft, means to drive the jackshaft, means whereby the jackshaft may drive the line shaft, means whereby the lineshaft may drive the drumshaft including aligned sprockets on the shafts connected by a drive chain, the bearing supports each being split along



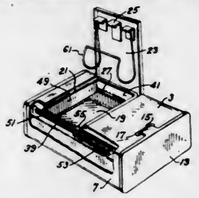
a joint dividing the said front portion from the said rear portion and extending upward from a position between said skid assemblies, securing means spaced at intervals along said joint, said securing means being releasable to permit separation of the front and rear portions upon disconnection of said drive chain.

2,344,682

ASH TRAY

James Kenneth Dodge and Martin William Johnson, Albany, Calif.

Application October 20, 1941, Serial No. 415,724
6 Claims. (Cl. 206—37)



1. A pocket ash tray or the like comprising a container having a top wall opening and an end opening, independently openable closures for both said openings, a slidable gate normally positioned beneath said top wall opening closure, said gate normally sealing communication to the interior of said container via said top wall opening and adapted to be slid sufficiently to expose said opening to the interior of said container, and a hanger spring affixed to the underside of the closure for said top wall opening.

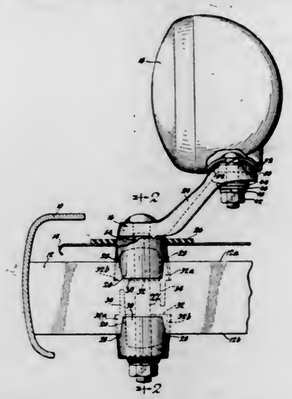
2,344,683

CLAMP AND MOUNTING BRACKET

Grove S. Dow, Jr., and George W. Onksen, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 20, 1941, Serial No. 407,676
2 Claims. (Cl. 24—263)

1. A supporting bracket adapted to be secured to a bar of substantially rectangular cross-section including a pair of relatively movable clamping members with means to draw said members together to clamp the bar therebetween in which each of said clamping members comprises a cup-shaped member having a transverse slot to provide spaced lips to receive an edge of the bar, one of said lips being formed with spaced arc-shaped surfaces adapted to extend on one side of



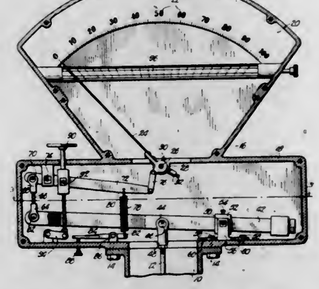
the bar and contact the corner of the edge of the bar at longitudinally spaced points, and the other of said lips being formed with spaced flat surfaces adapted to engage the face of the bar at longitudinally spaced points on the opposite side thereof.

2,344,684

WEIGHING SCALE

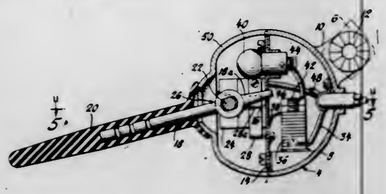
Edwin J. Eisner, Kansas City, Mo., assignor to Apex Scale & Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application October 28, 1941, Serial No. 416,780
2 Claims. (Cl. 265—68)



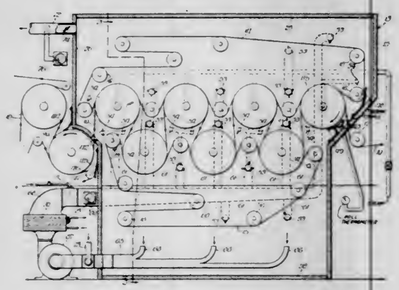
1. In a scale of the character described, having a draw rod, a weight indicating head comprising a supporting frame provided with indicia; a pivotally mounted indicator movable across the indicia upon actuation of the draw rod; and structure interconnecting the rod and said indicator, said structure being housed by said frame and removable as a unit therewith from the remaining parts of the scale, said structure including an arm pivoted near its medial point to the rod, a fulcrum between one end of the arm and said pivot, a lever pivoted intermediate its ends to the frame, a link joining the other end of said arm and one end of the lever, means operably securing the other end of the lever to the indicator, and a weight-receiving platform on the lever between its pivotal connection and the said other end thereof, said platform extending exteriorly of the frame.

2,344,685
DIRECTION SIGNAL SWITCH
Jesse E. Eshbaugh and Charles W. McKinley, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 4, 1941, Serial No. 405,282
8 Claims. (Cl. 200—59)



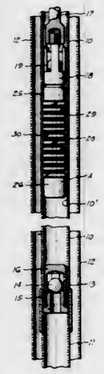
1. A direction signal switch comprising a casing, a terminal mounted in the casing, a slot of an inverted V-shape in the terminal, a contact mounted adjacent the slot and insulated from the terminal, an electrically conducting bridge member to complete a circuit from the terminal to the contact, said bridge member engaging said slot and being guided thereby, and a resilient handle on the bridging member.

2,344,686
PAPER DRIER AND METHOD
John R. Fanselow, Appleton, Wis., assignor to Paper Patents Company, a corporation of Wisconsin
Application June 28, 1941, Serial No. 400,286
4 Claims. (Cl. 34—18)



4. The method of continuously drying a wet paper web on a multiple roll drier of the class described to a predetermined moisture content which is uniform across the width of the web and which is within the range of from about 4 to 10% by weight, which comprises rapidly reducing the moisture content of the web to a point where the driest portion thereof contains not less than about 12% by weight of moisture by passing the web over a number of the drying cylinders of the drier to which heat energy is supplied at a high rate, and then slowly reducing the remaining moisture content of the web to said predetermined, uniform value by passing the web over additional drying cylinders, to which heat energy is supplied at a much lower rate than that at which heat energy is supplied to said first mentioned drying cylinders, while simultaneously subjecting the web to a conditioned atmosphere, the temperature of said additional drying cylinders and the temperature and humidity of said conditioned atmosphere being so correlated that equilibrium conditions will be achieved in said web when the moisture content thereof is at said predetermined value, there being sufficient cylinders in said last mentioned group and the rate at which heat energy is supplied thereto being such as to assure that the web shall attain said equilibrium condition in all parts thereof.

2,344,687
PUMP PLUNGER
Charles A. Fischer and Dixon T. Harbison, Fort Worth, and Charles A. Mercer, Hawley, Tex.
Application October 30, 1939, Serial No. 301,972
5 Claims. (Cl. 309—23)

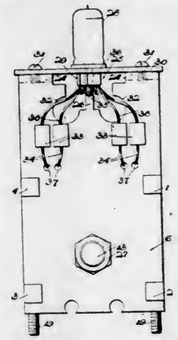


1. A reciprocatory pump plunger including a tubular body member formed to provide a pair of spaced axially alined head members connected by a reduced intermediate portion, means providing a plurality of uniformly spaced circumferentially extending spacer members carried by said reduced portion so as to provide a plurality of uniformly spaced grooves between said head members, and a resilient split packing member loosely disposed about said reduced portion in each of said grooves and having an open gap when in cylinder contacting position, each of said packing members in extreme contracted position having an internal diameter substantially greater than the external wall defining the base of its corresponding groove, and having a width along its longitudinal axis substantially less than the width of the groove between the opposed side walls of adjacent spacer members, the space between the internal wall of the packing member and the base of the groove being substantially equal to the space between the sides of the packing member and the side walls of the groove, whereby each of said packing members in either its expanded or contracted position will have substantial freedom of movement parallel to the longitudinal and transverse axes of the body member, so that each of said packing members will support a portion of the load imposed upon the plunger and will simultaneously permit a progressively lessening slippage of fluid and extraneous matter between said packing members and spacer members from one end of the body member toward the other end thereof in a reverse direction with respect to the movement of the plunger during normal reciprocatory motion of the latter within a cylinder so as to materially lessen the shock and consequent stresses and strains thereon incident to reversing the direction of travel of said plunger.

2,344,688
EMULSIFYING COMPOSITION
Cyril C. Folkrod, Chicago, Ill., assignor, by mesne assignments, to Valentine Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application February 21, 1941, Serial No. 380,067
13 Claims. (Cl. 99—1)

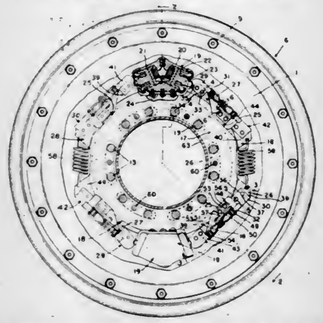
1. An emulsifier for oil in water compositions comprising algin and methyl cellulose.

2,344,689
VARIABLE CAPACITOR
Radford K. Frazier, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 12, 1942, Serial No. 434,370
4 Claims. (Cl. 250—16)



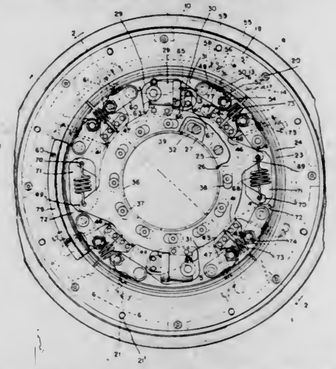
1. In a multi-section variable capacitor adapted for adjustment of capacity by rotation of a shaft common to all sections, a plurality of metal plates adjacent said sections and substantially perpendicular to the axis of rotation of said shaft, said metal plates being formed and perforated to provide mounting shielding and grounding means for the parts of a plurality of amplifier stages, metallic side bars parallel to said axis of rotation and secured to said plates, and combined mounting and grounding means secured to a plurality of said side bars intermediate two of said metallic plates carrying the parts of separate amplifier stages.

2,344,690
BRAKE
Phelps M. Freer, Detroit, Mich.
Application June 11, 1942, Serial No. 446,656
12 Claims. (Cl. 188—152)



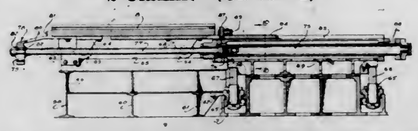
1. A brake comprising relatively rotatable friction members relatively movable axially into engagement and means for relatively moving said friction members axially into engagement comprising an actuating member at one side of one of said friction members and movable angularly through a path substantially parallel to said last mentioned friction member, and a compression link between said actuating member and said last mentioned friction member and extending transversely of the latter, said compression link maintaining a substantially constant angular relation to said last mentioned friction member.

2,344,691
BRAKE
Phelps M. Freer, Detroit, Mich.
Application August 7, 1942, Serial No. 454,027
5 Claims. (Cl. 188—78)



1. A brake comprising brake drums, brake shoes engageable with the drums and actuating mechanism comprising an actuating member, links actuated at one end by said member and pivotally mounted at the other end and operatively connected intermediate their ends to the brake shoes engageable with one drum, and other links actuated at one end by said actuating member and operatively connected at the other end to the shoes engageable with another drum.

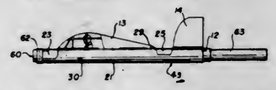
2,344,692
DIE SPOTTING PRESS
Herbert S. Fullerton, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Original application July 27, 1940, Serial No. 348,067, now Patent No. 2,317,851, dated April 27, 1943. Divided and this application June 29, 1942, Serial No. 448,937
2 Claims. (Cl. 76—4)



1. The combination in a die spotting press comprising, a base and side frames, an upper vertically movable platen disposed between said side frames, a lower platen supported directly on said base in opposed relation to said upper platen thereby to allow a die spotting operation to be effected, means for lifting said lower platen vertically from said base, means whereby said lower platen may be laterally moved while in its lifted position thereby allowing a die to be bodily removed from or replaced in said press

upon lateral movement of said lower platen, hydraulic ram and cylinder power elements for laterally moving said lower platen, means for rigidly supporting one of said power elements by said base, and means for flexibly connecting the other of said power elements to said lower platen whereby said lower platen may have vertical movement while said rigidly supported power element remains in fixed relation to said base.

2,344,693
TOY AIRPLANE AND ITS METHOD OF MANUFACTURE
Harcourt F. Gade, River Forest, Ill., assignor to Joe Ott Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 21, 1942, Serial No. 469,621
10 Claims. (Cl. 46—79)



1. A toy structure comprising a single unit tubular frame, an enveloping cover for said frame, and wing elements serving to support said frame in flight, means for joining said cover to said frame, said wing elements being disposed between said frame and cover for fixed attachment responsive to the joinder of said cover to said frame.

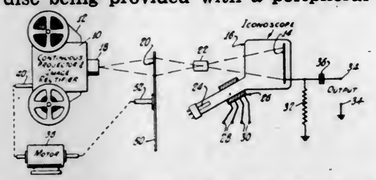
2,344,694
BILLFOLD
Leah L. Gardner, University City, Mo.
Application May 31, 1940, Serial No. 338,197
In Canada March 13, 1940
5 Claims. (Cl. 150—35)



1. In a bill fold comprising an elongated outer wall having a transverse fold line inwardly from its ends, and relatively short and narrow walls attached to one end and to the lower longitudinal edge of said outer wall and terminating short of said fold line and forming a pocket opening in a direction away from said attachment thereof to said outer wall, the exposed short wall having a hole therethrough; a front wall and a back wall connected along adjacent edges and forming a pocket having an open side and being insertable in and withdrawable from said first named pocket, a fastener element attached to said front wall and being otherwise unattached to said back wall and removably extending outwardly through said hole and leaving said second pocket open and unobstructed, a tab attached to said back wall and having a length to extend across said hole when said second pocket is in said first pocket, and a fastener element attached to said tab for releasably engaging said first fastener element to close and also to hold said second pocket in said first pocket.

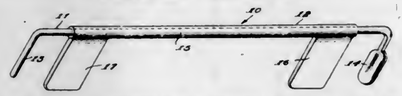
2,344,695
TELEVISION TRANSMITTING SYSTEM
Alfred N. Goldsmith, New York, N. Y.
Application May 29, 1942, Serial No. 444,965
9 Claims. (Cl. 88—16.8)

1. A continuous moving picture projector including an image rectifying system for producing substantially stationary images of the separate film frames, the operation of the continuous projector inherently causing undesired cyclic brightness variations in the produced images, a lens system associated with the projector for producing an aerial image of the subject matter contained on the film frames, an equalizer disc positioned substantially in the plane of the aerial image, means for rotating said disc in synchronism and in phase with the operation of the continuous projector and image rectifier, said equalizer disc being provided with a peripheral band



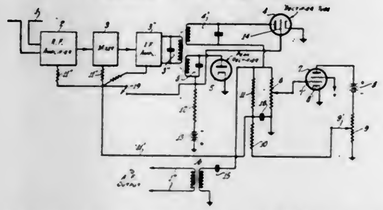
of variable transparency, the variations in transparency extending both radially and circumferentially and corresponding to the undesired brightness variations of each portion of the image during each rectification cycle, and a further lens system for projecting the aerial image onto an image receiving surface, whereby the images projected on the surface will be free from objectionable variations in picture brightness.

2,344,696
LATCH OPERATING DEVICE
Calvin P. Graham, Jackson, Miss., assignor of one-half to Juanita C. Harper, Meridian, Miss.
Application December 6, 1941, Serial No. 421,980
5 Claims. (Cl. 81—3)



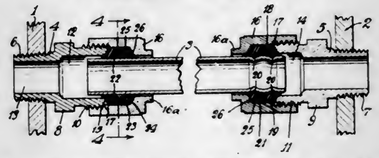
1. A latch operating device of the character described, comprising an elongated rod member having a handle at one end thereof, the opposite end of the rod member being bent at right angles and terminating in a flat contact member in a plane at right angles to the rod member, and a member rotatably and reciprocably supported by the first member and having a flat tongue at right angles to the plane of said contact member for operative cooperation with said contact member.

2,344,697
NOISE REDUCTION SYSTEM
R. Lee Hollingsworth, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 17, 1942, Serial No. 439,363
7 Claims. (Cl. 250—20)



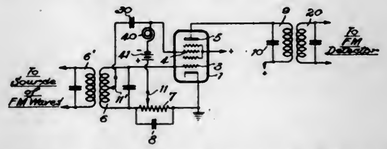
1. A method of receiving modulated carrier wave energy which includes detecting received energy to provide modulation signals, developing a control voltage in the absence of received carrier energy, utilizing the control voltage to render inefficient the supply of electrical energy for detection, deriving a second control voltage from detected wave energy, controlling the level of wave energy subjected to detection with said second control voltage to maintain uniform said supply of energy, deriving a third control voltage from received energy whose amplitude exceeds a predetermined level, and utilizing the third control voltage to render said detection inefficient.

2,344,698
TUBULAR CONNECTION AND SEALING MEANS THEREFOR
Earl Howe, Royal Oak, Mich., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1943, Serial No. 471,100
1 Claim. (Cl. 285—2)



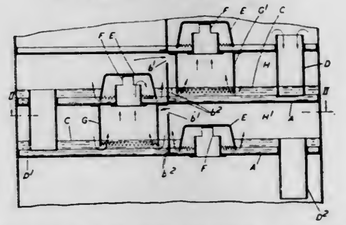
In a tubular connection between a pair of relatively fixed members, a tube having a smooth generally cylindrical exterior, the tube being of a length adapted for simultaneous engagement with both fixed members, a mass of flexible distortable material anchored to the exterior of one end of the tube, a mass of flexible distortable material slidable in relation to the opposite end of the tube, joint forming means for each end of the tube including a housing element associated with each of the fixed members and adapted to surround an end of the tube and a pair of complementary housing elements mounted on the tube, and means for locking each said housing element on the tube in relation to the housing element on one of the relatively fixed members, for thereby defining chambers surrounding each of said masses of flexible distortable material, the mass of flexible distortable material which is anchored to one end of the tube preventing movement of the tube in relation to the housing formed about the opposite end of the tube.

2,344,699
AMPLITUDE MODULATION LIMITER CIRCUIT
Seymour Hunt, Flushing, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 22, 1941, Serial No. 407,889
14 Claims. (Cl. 178—44)



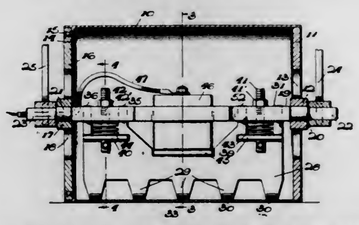
2. In combination, an electron discharge tube provided with a cathode, a plate, and at least two control grids, an input circuit tuned to the center frequency of applied frequency modulated carrier waves, means connecting the cathode and one of the control grids to said input circuit, said means including a fast-acting time constant network developing a negative direct current voltage from said waves which is applied to said one grid for limiting the tube output, means providing an adjustable direct current voltage connection between the second control grid and a desired point on said time constant network for applying a predetermined portion of said same negative voltage to the second grid thereby to augment said limiting action.

2,344,700
APPARATUS FOR RECTIFYING SPIRITS AND FOR SIMILAR PURPOSES
William Wood Hutcheson and William Cuthill Mason, London, England
Application August 20, 1942, Serial No. 455,544
In Great Britain March 19, 1942
1 Claim. (Cl. 261—114)



Apparatus of the kind referred to comprising a plurality of superposed chambers the floor of each of which consists of a liquid supporting tray or plate, an upstanding baffle plate on each tray dividing each chamber into two compartments said baffle plate terminating short of the tray above so as to leave a space to allow vapor to pass from one compartment to another of the same chamber, a dip pipe in one of said compartments leading to the chamber below and a dip pipe in the other of said compartments leading to the chamber above, the baffle plate being perforated below the level of the liquid to allow refluxed solvent or liquid to flow across the tray of each chamber from one dip pipe to the other, a bubble cap in one of said compartments having a nozzle communicating with the chamber below and a short pipe in the other of said compartments communicating with the nozzle of the bubble cap of the chamber above, said short pipe at its lower end dipping into the liquid on the tray.

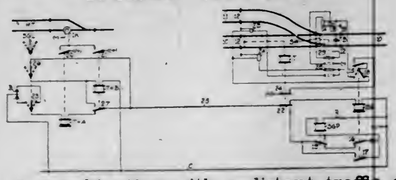
2,344,701
ROLLER
George W. Hutchinson, Raleigh, N. C.
Application February 19, 1942, Serial No. 431,591
5 Claims. (Cl. 94—50)



1. A roller comprising a cylindrical shell having axial end bearings, a non-rotary axle journaled in said bearings, a member in said shell guided from said axle during travel of the roller with its lower end in contact with the lower inner surface of the shell, spring means interposed between said axle and member and acting to urge the latter against said shell, a threaded portion extending upwardly from said member through an opening in said axle, a nut threaded

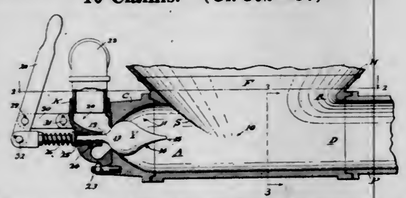
on said portion whereby said member can be drawn toward said axle against the action of said spring means, and a vibrator unit mounted on said member.

2,344,702
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 9, 1941, Serial No. 401,608
14 Claims. (Cl. 246—3)



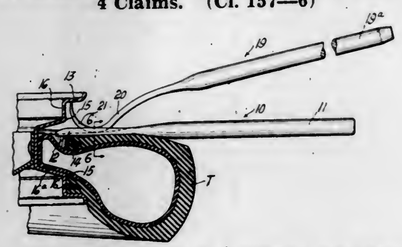
1. In combination with a distant traffic controlling device and a local control lever for controlling the same; a track circuit including a track relay adjacent said traffic controlling device; a control relay for controlling said traffic controlling device; an indicator adjacent said lever for indicating the condition of occupancy of said track circuit; a first indicator relay and a second indicator relay for controlling said indicator; a line wire extending from a local point at which said lever is located to said distant point where said control relay is located; two indication circuits one including said line wire, a contact of said lever closed when said lever is in actuated position, a local source of current, said first indicator relay, a front contact of said track relay and said control relay, and the other including said line wire, a contact closed when said lever assumes its normal position, said second indicator relay, a back contact of said track relay, a back contact of said control relay and a source of current located at said distant point; and two circuits for controlling said indicator, one controlled by said first indicator relay and the other controlled by said second indicator relay.

2,344,703
APPARATUS FOR HANDLING MATERIALS
Maxwell F. Kemper, Los Angeles, Calif.
Application September 17, 1940, Serial No. 357,120
10 Claims. (Cl. 302—57)



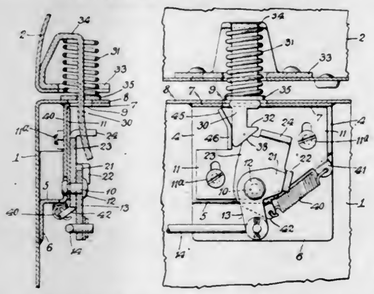
1. Apparatus for the pneumatic conveying of loose particles comprising a horizontal throat, means to feed particles into said throat laterally thereof, discharge means in line with said throat to conduct particles away from said throat, a chamber aligned with said throat and having a valve seat at its end remote from said throat, a pointed valve within said chamber adapted to seat on said seat and movable axially of said chamber, said valve having a projected area within the chamber normal to the chamber axis greater than the area of the opening in the valve seat, and means for supplying air past said valve.

2,344,704
TIRE TOOL
Edwin G. Krantz, Girard, Ohio, assignor to The Ken-Tool Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application April 19, 1941, Serial No. 389,364
4 Claims. (Cl. 157—6)



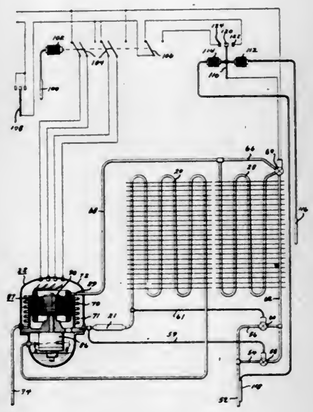
1. A tool of the class described comprising a member having a relatively flat jaw portion at one end thereof, said jaw having a recess therein providing laterally spaced side edges tapering toward the end of the jaw, and a lever having a curved end portion the side edges of which are tapered correspondingly to said tapered edges of said jaw recess, the side edges of said jaw recess and the side edges of said curved portion of the lever being reciprocally beveled, the curved end of said lever being engageable in said recess whereby the curved portion of the lever will be in rolling engagement with the jaw of said member with the tapered and beveled edges of said curved portion reciprocally engaging the tapered and beveled edges of said jaw recess.

2,344,705
HOOD LATCH FOR HORIZONTALLY HINGED HOOD CLOSURES
Walter H. Krause, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 11, 1941, Serial No. 388,059
10 Claims. (Cl. 292—221)



1. In combination with an automobile hood having a generally upright side wall and a generally horizontal inwardly extending top flange, a base plate permanently secured to the inner face of the side wall of the hood and including portions abutting the inner face of the hood side wall and the lower face of the hood top flange, said top flange and the abutting portion of said base plate being apertured to permit the entry from above of a keeper mounted on the hood closure, a latch plate adjustably mounted on said base plate, a latch mounted on said latch plate, a keeper guide, yielding means tending normally to urge said latch towards latching position in opposition to said keeper guide, and manually operable means for moving said latch to release position.

2,344,706
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 28, 1940, Serial No. 321,269
9 Claims. (Cl. 257—3)



2. In combination, means for circulating a stream of air to be conditioned, a first heat exchange element in thermal exchange relationship with said stream, a second heat exchange element in thermal exchange relation with said stream, means for circulating a volatile refrigerant through said first heat exchange element, means for circulating water through said second heat exchange element when either heating or cooling of the air is required, means preventing flow of water through said second heat exchange element when cooling is required and the water temperature is high and the incoming air temperature is low, and means preventing flow of water through said second heat exchange element when heating is required and the water temperature is low and the incoming air temperature is high.

2,344,707
PROCESS FOR PRODUCING 2-AMINO-PYRIMIDINE
Erwin Kuh, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 19, 1942, Serial No. 458,999
8 Claims. (Cl. 260—251)

1. A method of reducing a chloropyrimidine which comprises subjecting the chloropyrimidine to the action of metallic zinc in the presence of a water insoluble surface active material added to the reactants.

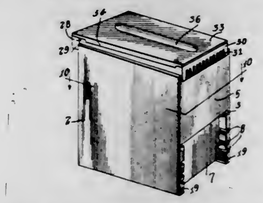
2,344,708
PROTECTIVE COATING COMPOSITION
Edward A. Lasher, Los Angeles, Calif., assignor to California Flaxseed Products Company, Los Angeles, Calif., a corporation of California
No Drawing. Application March 31, 1942, Serial No. 437,024
20 Claims. (Cl. 106—171)

1. A protective coating composition comprising a lacquer-making cellulose derivative selected from the group consisting of cellulose esters and cellulose ethers and an acid ester comprising the product of the partial esterification of hydroxylated fatty oil with a hydroxy polybasic aliphatic carboxylic acid having from 3 to 7 carbon atoms, the acid number of said acid ester being about 230.

2,344,709
MASTIC COMPOSITION
Edward A. Lasher, Los Angeles, Calif., assignor to California Flaxseed Products Company, Los Angeles, Calif., a corporation of California
No Drawing. Application March 31, 1942, Serial No. 437,025
22 Claims. (Cl. 106—171)

1. A mastic composition comprising a resin base and an inert solid filler, said resin base comprising the partial ester of an hydroxylated fatty oil and a hydroxy polybasic aliphatic carboxylic acid having from 3 to 7 carbon atoms, the acid resin base having an acid number of about 230.

2,344,710
FILM DEVELOPING CAGE
Edward P. McMurtry, San Marino, Calif.
Application June 9, 1941, Serial No. 397,156
8 Claims. (Cl. 95—90)

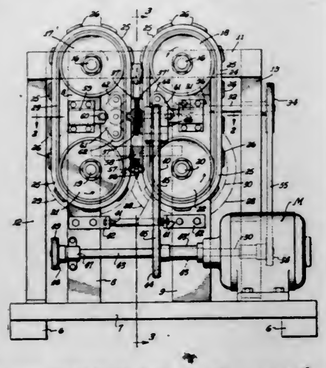


1. A film developing cage, including a box-like member for holding a plurality of films spaced apart and including notches engageable with the side and bottom edges of the film, and a detachable loading top including a lower member provided with a plurality of slots through which the film may be passed in loading operations and a top member having a loading slot, a selective locking means between said upper and lower member for selectively locking the upper and lower members in position for registering the slot of the upper member with the slots of the lower member in film-loading operations, there being a sliding fit between the box-like member and lower member of the top.

2,344,711
WALNUT CUTTING MACHINE
John F. McNutt, Glendale, and Ralph E. Colby, Los Angeles, Calif.
Application February 3, 1943, Serial No. 474,508
6 Claims. (Cl. 146—10)

1. A walnut cutting machine including two endless belts mounted to run with two laps thereof adjacent each other, said belts having flexible facings thereon to move together adjacent each other to receive walnuts therebetween, means for driving said belts, means at opposite sides for yieldingly pressing said belts together at the walnut position for holding a walnut firmly therebetween, two yieldingly mounted saws, in the same plane and at opposite sides of the walnut position, and movable to the walnut carried in said belts for cutting into the opposite sides thereof, means preventing said

saws cutting across the opposite ends of a walnut, whereby to leave connecting portions of the



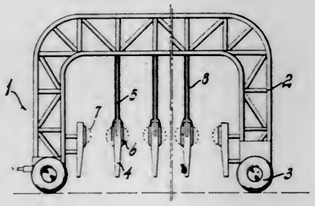
shell at the opposite ends, and means for entering the cuts made for breaking the shell in two portions as it moves away from the saws.

2,344,712
SHIRT COLLAR SUPPORT
James W. McVay, Kansas City, Mo.
Application February 23, 1942, Serial No. 431,932
1 Claim. (Cl. 223—83)



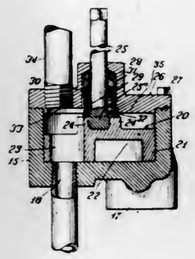
A shirt collar support comprising an initially flat planar body having wing portions at each end thereof; and a central decorative portion partially cut by lines of severance from the wing portions at their zone of juncture, said lines of severance having portions meeting at an acute angle and extending into each end of the decorative portion to create opposed barbs directed forwardly toward said decorative portion and projecting to the outside of an arc, described by the support when in curved condition beneath a collar, said barbs being directed upwardly to engage a collar beneath its line of fold.

2,344,713
STARTING STALL
John Warren MacClatchie, Compton, Calif.
Application March 1, 1943, Serial No. 477,611
4 Claims. (Cl. 119—15.5)



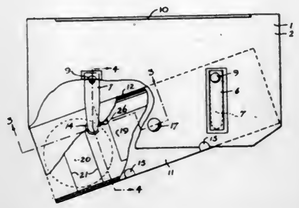
1. In combination with a starting gate, including spaced partitions, a flexible expansible member mounted on each of the partitions and extending longitudinally thereof, and means to inflate said member.

2,344,714
REVERSING VALVE
William O. Martin, Fort Smith, Ark., assignor to William O. Martin, Inc., Fort Smith, Ark., a corporation of Arkansas
Application February 18, 1942, Serial No. 431,377
1 Claim. (Cl. 251—87)



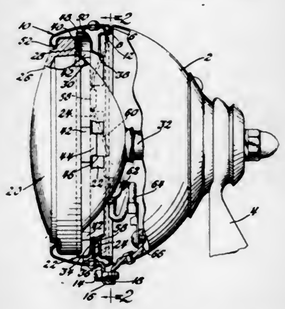
A reversing valve of the character described comprising a substantially annular housing provided with four spaced ports in its bottom; two of the ports being arranged at one side of the transverse center of the housing, one of said two ports being adapted to have connection with a source of pressure medium while the other port communicates with the atmosphere; the other two ports being arranged on the other side of the transverse center of the housing, one of the last mentioned pair of ports being adapted to have connection with a source of pressure medium, while the other port of said pair communicates with the atmosphere and constitutes a blow-out and warning port; a removable top plate for the housing provided with a central operating stem receiving opening and an admission port at one side of the plate center in alignment with the first port of the last mentioned pair of ports; a rotatable valve located in the housing in spaced relation with the top plate, provided on its upper surface with a transverse channel at one side of its transverse median line with a sectoral port extending from top to bottom and with a large sectoral cavity on its lower face extending to opposite sides of the transverse median line, the sectoral port being adapted to establish communication between the admission port of the top plate and the first port of the second mentioned pair of ports in the bottom of the valve housing when the valve is in one position and the sectoral cavity of the valve will be in communication with both ports of the first mentioned pair of ports in the housing bottom, while the sectoral port of the valve will be in communication with the first port of the first mentioned housing ports when the valve is rotated to reverse position at which time said sectoral cavity will establish communication between the first port of the second mentioned pair of housing ports and the second port of the first mentioned pair, while communication with the blow-out and warning port is established when the valve is in neutral position; means whereby rotation of the valve beyond a predetermined degree is prevented; and an inverted T-shape valve operating stem disposed through the central opening in the top plate with its head arranged in the transverse channel on the upper face of said disc valve whereby the latter is operated when the stem is rotated.

2,344,715
MILK BOTTLE HOLDER
Sam Maurer, Vancouver, British Columbia, Canada, assignor of one-half to Paul Andrew Seidel, Vancouver, British Columbia, Canada
Application June 17, 1942, Serial No. 447,386
In Canada April 13, 1942
2 Claims. (Cl. 232—41)



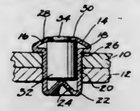
1. A milk bottle support comprising a bracket, an inverted channel pivotally mounted beneath the bracket to alternately expose an end of the channel, said channel having open ends adapted to receive milk bottle rims and said bracket having means for alternately closing the ends of the channel as each end is swung inwardly, locking means adjacent each end of the channel for locking the channel in bottle receiving position, one of said locking means being adapted to release the channel for swinging movement as the rim of a bottle is inserted into the open end of the channel and the other locking means being adapted to engage the channel to lock it as the channel is swung and the bottle moved rearwardly to close the open end of the channel into which the bottle rim was inserted.

2,344,716
LAMP CONSTRUCTION
William T. Mears, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 1, 1943, Serial No. 477,551
3 Claims. (Cl. 240—41.5)



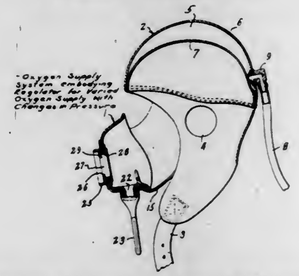
1. In a lamp, the combination with a rim having a front bead at one edge thereof and a rear bead at the opposite edge thereof, and a lighting unit including a lens, reflector and light bulb, of means to retain said lighting unit in said rim in engagement with said front bead including a retaining ring engageable with said lighting unit and a plurality of retaining springs, each of said springs being pivotally connected intermediate the ends thereof to said ring and having the ends thereof engageable within said rear bead of said rim.

2,344,717
RIVET
Herbert E. Mills and Vernon I. Mills, Detroit, Mich.
Application April 17, 1942, Serial No. 439,318
18 Claims. (Cl. 85—40)



1. A rivet adapted for securing a plurality of sheets of material together comprising a hollow tubular member having a head at one end thereof and an integral imperforate wall projecting inwardly and toward said head from the other end thereof, a pin at least partially within said member and engageable with the inner end of said inwardly projecting wall, said pin being permanently assembled with said member and movable relative thereto and toward said inwardly projecting wall so as to displace said inwardly projecting wall for setting said other end of said rivet, said pin being of such a length that it is substantially flush with the head of said rivet after the other end thereof is set.

2,344,718
OXYGEN MASK
Silas A. Morehouse, Glendale, Calif.
Application April 8, 1940, Serial No. 328,491
7 Claims. (Cl. 128—202)

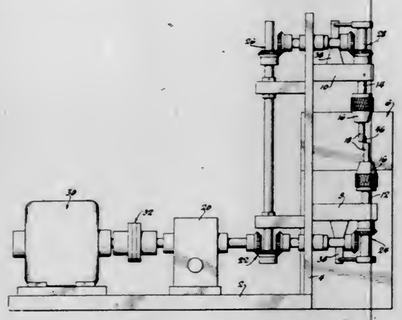


1. A device of the type described comprising a head-fitting cap consisting of double walls defining therebetween an expansible and contractable rebreathing reservoir, means for effecting a breathing connection to said reservoir, and means for supplying a breathing gas to said reservoir.

2,344,719
SPECTROCHEMICAL ANALYSIS METHOD
Ralph E. Nusbaum and James W. Hackett, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 4, 1942, Serial No. 445,752
3 Claims. (Cl. 88—14)

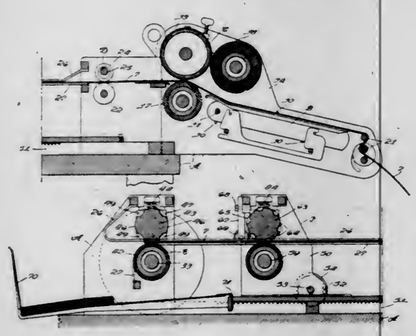
1. The method of quantitative spectrochemical analysis of metal alloys or mixtures for tellurium or other elements present in low concentration and which vaporize rapidly in the arc, which consists in preparing electrodes in the form of rods, at least one of which comprises the material to be analyzed, mounting the rods with their axes displaced and with portions off of the axes most closely adjacent each other, rotating the rod comprising the material to be analyzed while causing an electrical discharge to pass between the adjacent portions of said rods to there-

by present fresh unmelted metal to the arc so as to replenish the supply of the relatively volatile element, recording on a photographic medium a selected spectral line of said element and of a control element present in the material to be



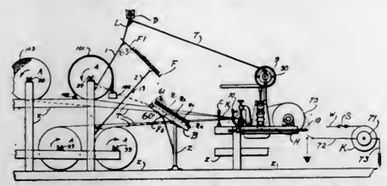
analyzed, and determining the amount of said element in said material by comparing the ratio of opacities of said lines with the ratio of opacities of the same lines obtained in the same manner from samples containing known quantities of said element.

2,344,720
PRINTING AND BURSTING MACHINE
Michael J. O'Connell, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application October 18, 1941, Serial No. 415,655
9 Claims. (Cl. 101—227)



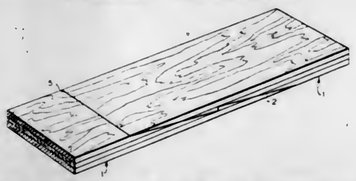
1. A printing and bursting machine of the character set forth: a frame provided with a power driven printing cylinder and tympan cylinder; feed means for positively engaging a strip of stationery and advancing it to said cylinders in timed relation to the rotation of the printing cylinder; a pair of front feed-rolls to grip the stationery advancing from the cylinders and a pair of rear feed-rolls driven in timed relation to said printing cylinder and the rear feed-rolls having a peripheral speed greater than that of the front feed-rolls; means for periodically releasing the grip of the front and rear feed-rolls on the stationery; and a friction feed for continuously urging the strip of stationery from the printing cylinder to the front feed-rolls.

2,344,721
LEASE FORMING ATTACHMENT
William J. O'Connor, Dracut, Mass., assignor to Newmarket Manufacturing Company, Lowell, Mass., a corporation of Massachusetts
Application January 27, 1943, Serial No. 473,701
2 Claims. (Cl. 28—40)



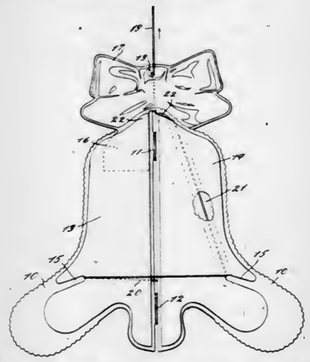
1. The combination with a rayon slasher including a frame, drying rolls, a positively driven warp beam, means to so drive the warp beam including manually controllable means to stop and start it, a plurality of thread rolls, a brake for each thread roll, a leasing comb and a fixed lease rod rack attached to the frame and including two sloping arms each with a plurality of fingers for holding warp lifting lease rods; of a movable lease rod rack including two arms each positioned outside the fixed lease rod rack arms and of substantially the same shape and slope and with fingers which substantially correspond with those on the fixed rack; two pairs of rack carrier arms, one end of each arm of each pair being pivoted at one end to the top of the movable rack and the other end being pivoted to the frame, and one end of each arm of the second pair of arms being releasably pivoted to the bottom end of the movable rack and its other end being pivoted to the frame at a distance from the pivot of the first carrier arm, the carrier arms being substantially parallel; and rack lifting means including a hand-operable pulley having releasable locking means, a lifting cord which passes around such pulley and over another pulley above the movable rack and which connects with the movable rack whereby individual warp lifting lease rods can successively be raised and rested on the fingers of the movable lease rod rack and that rack with all the lease rods can be lowered while the warp beam is turning and winding up the slack of the sheets of warp threads.

2,344,722
METHOD OF MAKING PLYWOOD PANELS
Michel Pasquier, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application July 1, 1940, Serial No. 343,433
5 Claims. (Cl. 144—309)



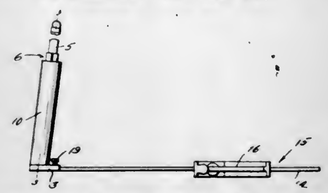
1. The method of splicing completed preformed plywood panels, comprising the steps of forming like scarfs on the abutting ends of said panels, providing each said scarfed surface with a transverse upstanding coak or tenon adapted to interlock with a like coak or tenon on the scarfed surface of the abutting panel for preventing longitudinal separation of said panels upon application of pressure to the joint, positioning each said coak or tenon closer to the inner end of said scarfed surface than to the outer end thereof whereby the thickness of the joint prior to the application of pressure thereto will be greater than the thickness of the panel beyond the joint to insure a satisfactory application of pressure to the joint simultaneously with the application of heat to the glue, applying a thermo-setting resinous glue to said scarfed surfaces, overlapping the scarfed ends of abutting panels to make a scarf joint, and applying heat and pressure to said joint simultaneously, sufficient to liquify said glue and force it into the cells and pores of the abutting panels and then cause said glue to set.

2,344,723
EXPANDING ORNAMENT
Joseph M. Pettorossi, New York, N. Y., assignor to Paper Novelty Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application July 18, 1942, Serial No. 451,401
8 Claims. (Cl. 41—11)



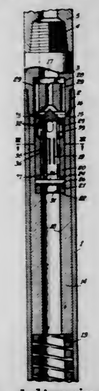
1. In an expanding ornament comprising a pair of backing strips hingedly associated about a longitudinal axis and having secured between opposed faces thereof an expansible element constituted of a plurality of superposed leaves interconnected to form a honeycomb structure, a string secured in fixed position at one end to one of said backing strips and extending from said strip transversely to the longitudinal axis to the other strip and means on such other strip providing for a change in direction of said string toward said end of the ornament, the string passing to and emerging at such end, whereby a pull exerted upon said string is effective to aid in moving the two backing strips toward each other.

2,344,724
TRY-SQUARE ATTACHMENT
John A. Phillips, Oakland, Calif.
Application November 24, 1942, Serial No. 466,758
4 Claims. (Cl. 33—42)



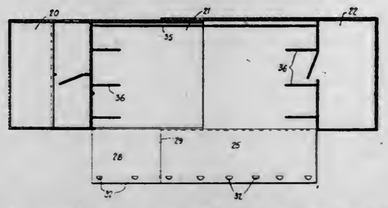
1. A marking instrument of the character described comprising a tubular post, means for mounting said post on the blade of a try square, a pencil slidably mounted in the post, a sleeve threadedly mounted on said post, a member mounted on the pencil within the sleeve, and resilient means in the sleeve engaged with said member for yieldingly resisting upward movement of the pencil.

2,344,725
JAR
John T. Phipps, Huntington Park, Calif., assignor to S. R. Bowen Co., Huntington Beach, Calif., a corporation of California
Application July 29, 1940, Serial No. 348,138
16 Claims. (Cl. 255—27)



1. In a jar for delivering upwardly directed impacts to a fish stuck in a well bore, the combination of: a strain member adapted to be inserted in said well bore and attached to said fish and having an anvil thereon; hammer means mounted for retracting movement away from said anvil and for striking movement into impacting relation therewith for imparting upwardly directed impacts to said anvil; means normally urging said hammer toward impacting position; means for applying a force to said hammer to move said hammer away from said anvil; and tripping means responsive to a predetermined resistance to said retracting movement for removing said force from said hammer, whereby said hammer is moved into impacting relation with said anvil.

2,344,726
TRANSPORTABLE STAGE
William Podolin, Bronx, N. Y.
Application February 11, 1942, Serial No. 430,444
3 Claims. (Cl. 20—1.123)



1. A truck unit, embodying a transportable stage, and comprising a horizontally, longitudinally telescoping body, whereby to enlarge the size of said stage, one side of said unit consisting of two sections adapted to be opened outwardly, the smaller one of said sections being hinged at

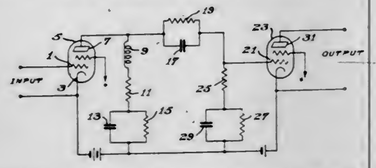
its upper edge to be swung upwardly into a horizontal position, whereby to form an extension roof, the lower and larger one of said sections being hinged at its bottom to be swung downwardly into a horizontal position, whereby to form the front portion of a stage, a small, substantially square section hinged upon said lower section and foldable upon the latter, said small section being adapted to be swung into a lateral position forming an extension of said lower section, when the telescoping unit is in an extended position, and foot lights arranged upon the upper surface of said latter two extensions, and near the outer edges of these, when in let down position.

2,344,727

AMPLIFYING SYSTEM

Albert Preisman, Flushing, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1940, Serial No. 372,462
2 Claims. (Cl. 179—171)



1. An amplifying system comprising a first amplifier tube having an output load circuit comprising two series resistances with a condenser connected in parallel with one of the resistances, a second amplifier tube having an input circuit comprising two series resistances with a condenser connected in parallel with one of the resistances, a coupling circuit between the output and input circuits comprising a condenser and a resistance connected in parallel therewith, the value of the one resistance and parallel condenser in said input circuit and the value of the condenser and parallel resistance in said coupling circuit being so chosen in accordance with the value of the one resistance and parallel condenser in said output circuit that the impedance characteristics of the input circuit will be similar to the impedance characteristics of the output circuit.

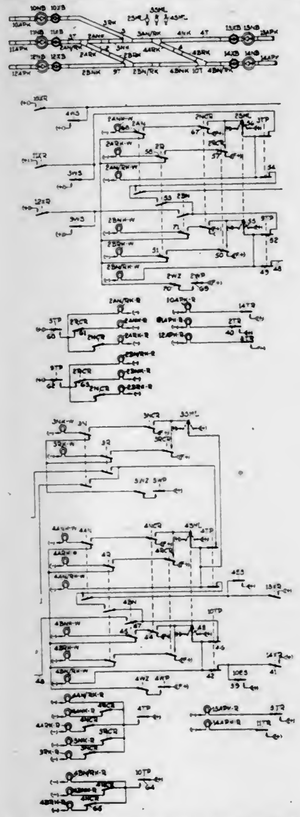
2,344,728

SWITCH AND SIGNAL CONTROL SYSTEM FOR RAILROADS

Neil D. Preston and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application October 20, 1942, Serial No. 462,686
9 Claims. (Cl. 246—134)

1. In a switch and signal control system for railway track layouts comprising a plurality of detector track sections interconnected by track switches to afford various routes, certain of the routes including a plurality of detector track sections, a miniature track diagram of the track layout including indicating means for illuminating portions of the represented track to outline the portions of a route established over each track section while it is not occupied, normal and reverse switch control relays associated with each switch for governing the power operation thereof to the normal and reverse position, route establishing means responsive to the manual designation of the entrance and the exit end of a desired route for energizing the switch control relays of the appropriate switches as required to establish such route, a circuit network for lighting the lamps of said indicating means for each track section included in a route when that route is selected by said route establishing means and for maintaining said lights lighted for track sections ahead of a train traversing such route, said circuit network having feed points corresponding to certain locations constituting the exit ends of the routes and including front contacts of the switch control relays to form a route circuit path conforming with each route as it is selected by the energization of said switch control relays, said circuit network also including contacts associated with each of said detector track sections and opened when that track section is occupied, means for energizing the feed point of said circuit network corresponding to the exit end of a route selected by said route establishing means until that route establishing means is restored to normal manually by the operator or automatically by the entrance of a train into such route, and means for energizing the feed point of said circuit network corresponding to the exit end of a route occupied by a train until that route becomes unoccupied.



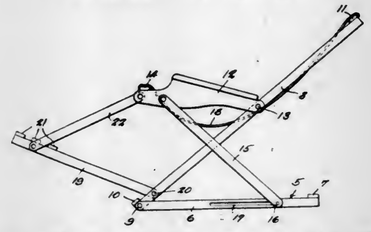
4. In a switch and signal control system for railway track layouts including at least one power operated track switch, a miniature track diagram of said track layout including indicating means for illuminating portions of the represented track adjacent said switch points to show the normal and reverse position of said switch, switch control relay means for governing the power operation of said switch, manually operable means for energizing said switch control relay means to cause power operation of said switch to the normal or reverse position as required, means governed by said manually operable means for rendering effective said indicating means for either the normal or the reverse position of said switch as selected by said manually operable means, a switch position indicating relay energized only if the switch is locked in a normal or reverse position, and means for illuminating both of said normal and reverse indicating means whenever said switch position indicating relay is deenergized while said switch control relay means is not energized, whereby an unlocked condition of said switch occurring when that switch is not being operated under normal conditions is distinctively indicated on said track diagram.

2,344,729

FOLDING BEACH CHAIR

Raymond H. Ralston, Camp Joseph T. Robinson, Ark.

Application May 18, 1943, Serial No. 487,500
5 Claims. (Cl. 155—56)



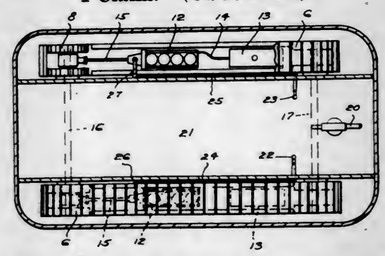
2. In a folding chair, a base, a pair of substantially long bars extending upwardly from the base and having pivotal connection with the forward end of the base, a pair of bars pivotally connected with the base and extending forwardly, crossing the first mentioned bars, handles connecting the bars, a pivoted foot-rest comprising bars pivotally connected with the first mentioned bars, and a pair of bars connected with the last mentioned bars and extending to the forward extremities of the arms where they are pivotally connected thereto, and a length of fabric material supported by the bars and providing a seat and back portion.

2,344,730

ARMY TANK

Carson S. Ramsey, Cureall, Mo.

Application June 20, 1941, Serial No. 399,037
1 Claim. (Cl. 180—9.2)



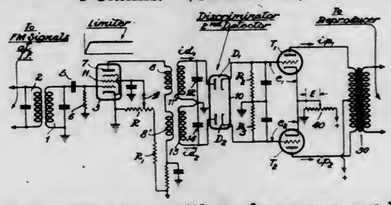
An army tank comprising a turtle back shaped shell, a pair of endless side track units in opposite sides of said shell, respectively, a closed compartment for each unit, a power plant in each compartment, and means whereby the units may be controlled simultaneously or independently including a pair of levers extending inwardly of the shell from said units, respectively, adjacent the front of the shell, and control connections between said levers and said plants, respectively.

2,344,731

DETECTED FREQUENCY MODULATED WAVE AMPLIFIER

John A. Rankin, Port Washington, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 13, 1940, Serial No. 365,451
4 Claims. (Cl. 250—27)



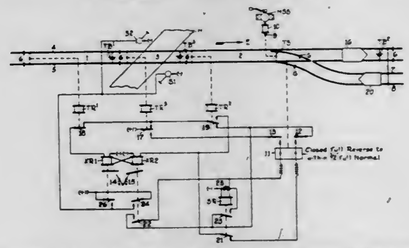
1. In combination with a frequency modulation detector of the opposed diode type having an input circuit upon which is impressed frequency modulated carrier waves, an output circuit for said detector comprising a pair of load resistors arranged in series relation and having the junction thereof at a relatively fixed potential, a pair of modulation voltage amplifier tubes arranged in push-pull relation, means directly connecting the input electrodes of the amplifiers without coupling reactances to respectively different points on said load resistors which are at different potentials with respect to said fixed potential point, and means for negatively biasing said input electrodes substantially to amplifier space current cut-off points in the absence of received modulated waves, said biasing means being chosen to locate the plate current-input electrode voltage characteristic of each amplifier substantially wholly in the negative region whereby the amplifiers do not draw input electrode current throughout operation thereof.

2,344,732

HIGHWAY CROSSING SIGNAL SYSTEM

Arthur E. Reid, Gates, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application May 31, 1940, Serial No. 337,993
3 Claims. (Cl. 246—130)



1. In a signal system for highway-railway crossings, a highway crossing a stretch of main line track, a highway signal at the crossing, a passing siding, a track switch connecting the passing siding to the main line adjacent the highway, an approach track section at each side of the highway, a middle track section interconnecting the

approach sections, the approach section at the siding side including the track switch, two interlocked relays, associated, respectively, with the two approach sections, circuit means for displaying the signal and effective when either relay makes up its back point, an energizing circuit for each relay closed only when its approach section and the middle section is unoccupied, the relays being so interlocked that if one be deenergized, while the other is in deenergized position, the armature of the one is latched up so as to prevent its making up its back point until after said other is reenergized and then said one is reenergized, a stick relay, a second energizing circuit for the interlocked relay associated with the passing siding approach section and including a back point of the stick relay, a contact closed upon positioning of the track switch away from its full normal position and a contact closed only if the passing siding approach section be occupied, and a pick-up circuit for the stick relay including a front point of said passing siding approach section interlocked relay, and the contact closed only if said passing siding approach section be occupied.

2,344,733
MOLDING COMPOSITION

Kurt E. Ripper, Bronxville, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 28, 1941, Serial No. 376,339

16 Claims. (Cl. 260—39)

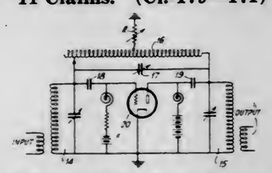
10. A heat-setting molding composition suitable for the production of moldings having a high mechanical strength comprising small particles having an area between that of a ⅛ inch square and about a ¾ inch square of glass cloth impregnated with a polymerizable aminoplastic resin.

2,344,734
NEUTRALIZING CIRCUIT

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 2, 1941, Serial No. 405,163

11 Claims. (Cl. 179—171)



1. In a radio frequency amplifying stage having an electronic tube provided with a plate, a cathode and a grid, and input circuit and an output circuit for said tube, said tube having inherent grid-plate capacity, means providing neutralizing inductance connected effectively in parallel to said capacity thereby to neutralize said capacity, and resistive means, connected between a point of said first means and a point of substantially zero radio frequency potential, for reducing the residual degenerative feedback which results from inherent resistance in said inductance.

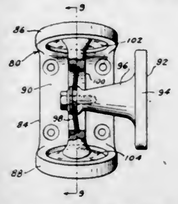
2,344,735
ENGINE MOUNT

Albert M. Rockwell, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application February 27, 1942, Serial No. 432,597

13 Claims. (Cl. 248—5)

12. An engine mount bracket comprising, an engine attachable element, a support attachable element, and means for resiliently connecting said elements including disc springs carried by said elements in planes angularly related one to the



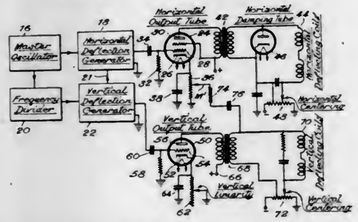
other and a rigid member having angularly related attaching portions connected to said springs.

2,344,736
TELEVISION TRANSMITTING SYSTEM

Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1942, Serial No. 429,008

10 Claims. (Cl. 178—7.2)



1. A television transmitter including a transmitting tube having a mosaic electrode and a cathode ray gun structure adapted to generate a focused beam of electrons, means to produce an electrostatic charge image on said mosaic electrode, means to scan said mosaic electrode in horizontal and vertical directions at predetermined different rates in order to produce picture signals, said horizontal scanning means including a discharge tube having a cathode, a control electrode and an anode, means including a resistance for connecting the cathode to a point of fixed potential, means including a load circuit for maintaining the anode positive with respect to the cathode, means for applying voltage variations of horizontal scanning frequency to the control electrode of said tube, said vertical scanning means including a second discharge tube having a cathode, a control electrode and an anode, means including a load circuit for maintaining the anode positive with respect to the cathode, means to apply voltage variations of vertical scanning frequency to the control electrode of said last mentioned tube, and means to apply a predetermined percentage of the potential variations present at the cathode of said first mentioned tube to the anode load circuit of said second mentioned tube in order to compensate for inaccuracies in the pattern scanned by the cathode ray beam.

2,344,737
GAME BOARD

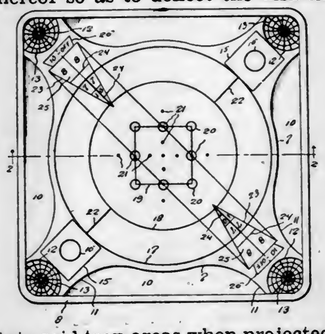
Ralph M. Schlesinger, Brooklyn, N. Y.

Application February 19, 1941, Serial No. 379,680

2 Claims. (Cl. 273—126)

1. A game board of the character described, comprising a substantially rectangular board proper having shallow recesses of uniform depth

along the sides thereof forming trap areas extending substantially from corner to corner of the board, and a rail around the board proper extended upwardly and inwardly at the inner sides thereof so as to deflect the disk-like game



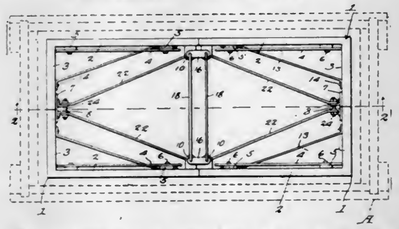
pieces into said trap areas when projected against the rail, said board proper comprising upper and lower laminations, the upper lamination being cut away to provide said recesses, said board having elevated corner surface portions separating said recesses.

2,344,738
MOLD

John B. Seifert, Springtown, Pa.

Application April 15, 1943, Serial No. 483,210

4 Claims. (Cl. 25—130)



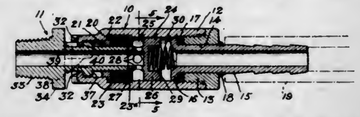
1. An inner mold member for use in casting hollow structures including opposed pairs of sections, the sections of each pair being opposed and all of the sections being of the same proportions, means for detachably joining the end walls of the sections of each pair, brackets extending inwardly from the side walls of the sections, connecting links mounted on the brackets, transverse braces, and means on the braces engaging the links and brackets for holding the links to the brackets and for stiffening the mold against transverse pressure.

2,344,739
COUPLING DEVICE

Ernest H. Shaff, Grand Haven, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan

Application August 1, 1942, Serial No. 453,165

1 Claim. (Cl. 284—19)



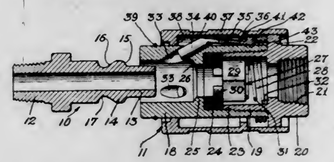
A coupling device having, in combination, a tubular housing having at one end an axially disposed plug carrying swivelling means for connection with a conduit, a lateral flange carried by said swivel connection means within said housing, sealing means interposed between said flange and the inner end of said plug, an annular ring seated in said housing, an annular sealing gasket seated on said ring and having substantially the same internal diameter as said ring, a valve normally seated on said gasket to prevent a flow from said conduit through said housing, said valve including a member extending into said gasket, an axially disposed coil spring interposed under compression between said valve and said flange, and a nipple having an end portion arranged to be guided into said gasket by said ring, the nipple receiving end of said housing having circumferentially spaced inwardly bent integral portions providing lugs, an enlarged portion on said nipple spaced from its free end and dimensioned to fit relatively snugly into the open end of said housing and having grooves therein terminating in circumferentially directed inner end portions for detachable engagement by said lugs upon relative axial and rotational movement of said nipple and housing, the parts being so dimensioned that the line of engagement of the end portion of said nipple with said member on said valve is located within said gasket when said lugs are seated in the inner end portions of said grooves.

2,344,740
HOSE COUPLING DEVICE

Ernest H. Shaff, Grand Haven, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan

Application August 1, 1942, Serial No. 453,166

4 Claims. (Cl. 285—169)



4. In a coupling device of the character described, the combination of a tubular housing arranged to receive a nipple therein, said housing having a bore therein angularly related to the axis of the housing, a rigid locking member loosely disposed in said bore, said locking member being movable from an operative position in which an end thereof extends into the interior of said housing to a retracted position by combined longitudinal sliding and lateral rocking movement, means urging said locking member into said operative position thereof, and means for imparting a combined rocking and longitudinal movement to said locking member to shift it to said retracted position.

2,344,741
TUNABLE HIGH FREQUENCY CIRCUITS

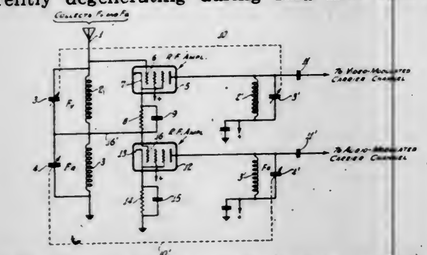
Jesse B. Sherman, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 10, 1942, Serial No. 434,027

7 Claims. (Cl. 250—9)

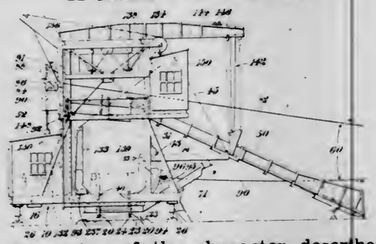
1. A method of receiving modulated carrier energy of one frequency and modulated carrier energy of a different carrier frequency, which includes the steps of collecting both modulated carrier energies, selecting the modulated energy of one carrier frequency, amplifying the selected carrier energy, selecting independently the modulated energy of the second carrier frequency, am-

plifying the second carrier energy, and concurrently degenerating during said first selection



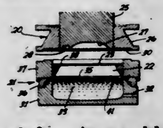
step any modulated carrier voltage of said second carrier frequency which may exist during said first selection step.

2,344,742
APPARATUS FOR LOADING AND UNLOADING WHEELED VEHICLES
Herbert Frederick Henry Shields, London, and George Wilfred Grossmith, Bristol, England
Application February 10, 1943, Serial No. 475,421
In Great Britain February 10, 1942
11 Claims. (Cl. 214—110)



1. Apparatus of the character described for use in loading vehicles with fragmentary material and stocking-out fragmentary material from loaded vehicles, comprising in combination of the cradle type through which vehicles can a loader of the drag-scraper type and a tippler travel, which loader and tippler are arranged to travel along a track common to them both and permit vehicles to travel on the same track to, through and from the tippler.

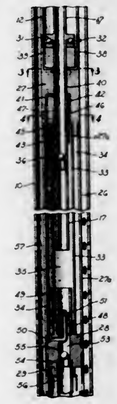
2,344,743
FORMING METHOD AND APPARATUS
Henry Collier Smith, Jr., Los Angeles, Calif.
Application May 6, 1941, Serial No. 392,082
21 Claims. (Cl. 113—44)



1. A method of forming a blank to a predetermined configuration including the steps of: providing walls including a forming wall defining a confined space; placing said blank in said confined space with one side of the blank against said forming wall; providing flowable means including a body of fluid in said space on the other side of said blank; applying pressure to said body of fluid to press the blank against said forming wall; shifting at least a portion of said forming wall inward toward said blank to provide a new forming configuration; reducing the volume of said fluid body to permit the blank to retreat to accommodate said shift; and applying pressure to the body of fluid to press the blank against said forming wall after the shift.

5. An apparatus for forming a blank to a predetermined configuration, including: means presenting a forming surface to one side of the blank; a flexible sheet having one face directed toward the other side of the blank, said sheet being formed with a series of annular corrugations of progressively increasing diameter; a body of fluid in contact with the other face of said flexible sheet; and means to place said body of fluid under pressure to cause said flexible sheet to press said blank into intimate contact with said forming surface.

2,344,744
GAS LIFT PUMP
Elmer D. Smyser, Torrance, Calif.
Application August 15, 1942, Serial No. 454,939
7 Claims. (Cl. 103—231)

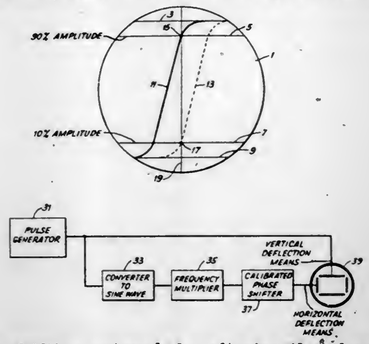


1. In a well pump, the combination of: a pump body provided with a chamber therein and having an inlet, an outlet, a pressure intake port, and a pressure exhaust port; inlet valve means in said inlet adapted to permit a flow of liquid through said inlet into said chamber but preventing a reverse flow thereof; jet means in said inlet and directed toward said chamber; a gas passage communicating with said jet means; and main valve means adapted to connect alternatively said pressure intake port with either said chamber or said gas passage, said main valve means also connecting said chamber with said pressure exhaust port when said pressure intake port is connected to said gas passage.

2,344,745
ELECTRICAL CIRCUIT
Frank J. Somers, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 26, 1941, Serial No. 412,406
9 Claims. (Cl. 171—95)

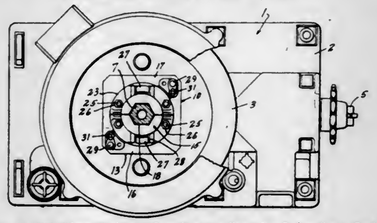
9. Measuring apparatus for determining the time duration of recurrent electrical signals comprising an oscillograph including a cathode ray beam and a viewing screen, a reference indicia in register with said viewing screen, means to cause deflection of the cathode ray beam in one direction in response to the recurrent electrical signals, means to deflect the cathode ray beam in a substantially mutually perpendicular direction

at a rate bearing an integral relation to the frequency of the recurrent electrical signals whereby a substantially stationary visual representation of the recurrent signals is produced on the viewing screen, and means including a calibrated



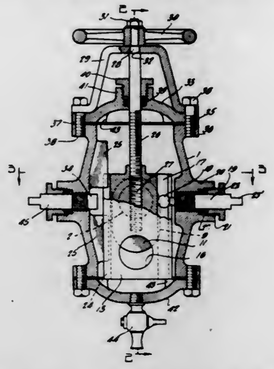
phase shifting network for altering the phase relationship of the deflections relative to each other so that different portions of the representation may be associated with the reference indicia whereby the time duration of the recurrent signals may be determined.

2,344,746
DRIVE BUSHING
John D. Spalding, Los Angeles, Calif.
Application April 14, 1941, Serial No. 388,555
5 Claims. (Cl. 255—23)



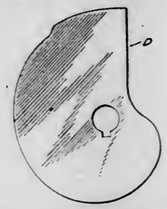
5. In a Kelly drive device adapted to be driven by the table of a rotary machine, the combination of an integral body member adapted to be driven from and axially insertable into a noncircular recess in the table, the integral body member having a central tapered bore, a driven member adapted to rotate the kelly and having an externally tapered portion adapted to seat in the tapered bore of the integral body member, said driven member being split axially to form two cooperating half segments having cooperating parallel contact faces, said driven member having a radially projecting drive flange between its ends, the drive flange being positioned along the length of the driven member a distance corresponding with the taper of the cooperating segments such that when the cooperating segments are positioned within the conical bore of the integral body member that the cooperating flange will be spaced from the integral body member, and wedge means carried by the upper surface of the body member adapted to fit through apertures formed in each half segment, and means secured to said wedge means for forcing the half section downwardly in the tapered bore of the integral body member into position where the contact faces of said half segments are in pressure contact, and cooperating drive means interconnected between the integral body member and each half segment.

2,344,747
FLUID FLOW CONTROL MECHANISM
Donald E. Sperry, Whittier, and Adam E. Landess, Long Beach, Calif., assignors of one-fourth to Roland R. Crum and one-fourth to James K. Burkhart, both of Whittier, Calif.
Application July 15, 1940, Serial No. 345,452
6 Claims. (Cl. 251—59)



1. In apparatus of the character described, a body, said body having fluid passageways, a nonmetallic liner supported in the body and forming opposed converging flat surfaces with openings communicating with the passageways, a control member having surfaces adapted to seat upon said converging surfaces, the control member having a port opening therethrough, adapted to cooperate with and match said passageway openings to establish communication through said passageways, means for moving said control member in a direction transverse to the openings to position the port in or out of matching relationship with the passageway openings, and means for moving the control member to seat and seal the corresponding surfaces of the liner and the member.

2,344,748
SPECTROPHOTOMETRIC PARTICLE MIXTURE CAM
Edwin I. Stearns, Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 30, 1942, Serial No. 463,887
6 Claims. (Cl. 234—1.5)



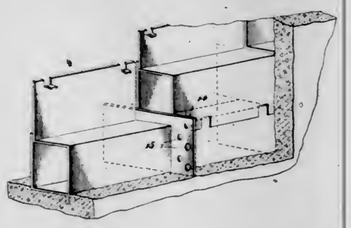
1. In a recording spectrophotometer of the flickering beam type for measuring the reflectance of a colored sample, in which a photometering element is moved to control the relative intensities of the beams and thereby to compensate for the reflectance of the colored sample and in which a recording device is actuated to move a recording surface in accordance with wave length or frequency of monochromatic light being introduced into the spectrophotometer, the improvement which comprises a drive linkage be-

tween the photometering element and a recording means operating on the recording surface, said linkage including a drive of varying ratio, the ratio of variation of said drive being such that the value recorded is substantially proportional to

$$\frac{100-R}{b(R-1)+1}$$

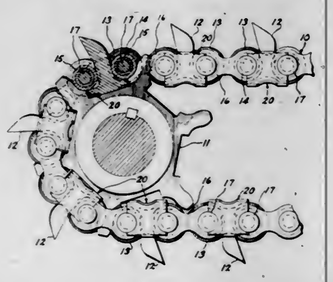
where R is percent body reflectance and b is a constant having a value between 0 and 1.

2,344,749
BUILDING WALL CONSTRUCTION
Frank W. Stevens, Syracuse, N. Y.
Application July 13, 1939, Serial No. 284,353
8 Claims. (Cl. 72—48)



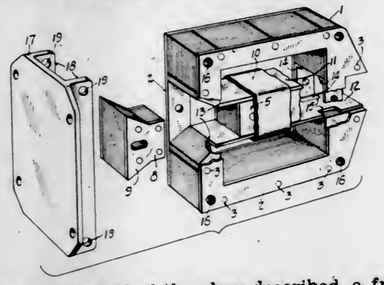
1. An insulating core assembly for building walls, comprising pieces of sheet material bent to angular form and interfitted one with another to constitute four sides of six-sided cells, and other pieces of sheet material fitted cross-wise in such assembly to close the remaining two sides of the cell units, said other pieces extending transversely outward from the cell unit assembly to constitute ties for embedding in cement, the entire assembly adapted to be embedded in plastic material.

2,344,750
CUTTER CHAIN
Charles E. Stoltz, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 27, 1942, Serial No. 467,080
15 Claims. (Cl. 262—33)



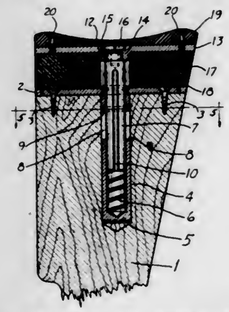
5. In an endless chain cutting device particularly adapted to cut coal in mines, a roller chain including a plurality of spaced side straps, with rollers mounted at the points where said side straps are pivotally connected together, and cutter bits detachably mounted on the chain and extending through the chain from the inside thereof between said side straps and rollers and having cutting points projecting beyond the links of said chain.

2,344,751
ELECTROMAGNET
Panfilo Trombetta, Milwaukee, Wis.
Application August 26, 1940, Serial No. 354,307
3 Claims. (Cl. 175—341)



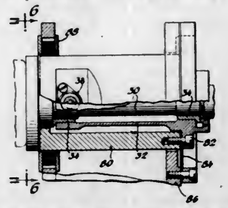
1. In a solenoid of the class described, a frame comprising a pair of side plates, a plurality of laminations of magnetically permeable material secured between said side plates, the laminations having an opening therethrough at one end thereof, an armature longitudinally movable in the opening and comprising a pair of side plates and a plurality of laminations secured therebetween, the frame laminations having an opening therethrough at the other end thereof having diagonally opposed faces, the side plates of the armature extending through the frame from end to end inside of the said frame side plates, and a movable pole piece disposed between the armature side plates and having a head with substantially tapered shoulders complementary to the walls of the second named opening in said laminations.

2,344,752
RECOIL ABSORBER FOR FIREARMS
Melvin Utz, Peru, Ill.
Application April 24, 1942, Serial No. 440,333
4 Claims. (Cl. 42—74)



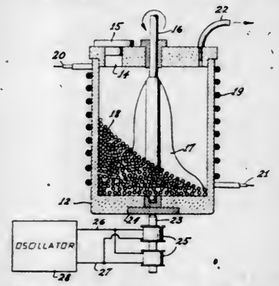
1. A recoil absorber for firearms comprising a base plate, a cylindrical sleeve containing a longitudinal slot, said sleeve passing thru said base plate and integral therewith, a plunger slidably disposed in said sleeve and protruding therefrom, means integral with said plunger and coacting with said longitudinal slot to limit the extent of sliding movement of said plunger relative to said sleeve and to prevent relative turning about the axes of said sleeve and said plunger, a resilient compression member disposed within said sleeve and urging said plunger outwardly from said sleeve, a butt plate integral with the said protruding end of the said plunger and in spaced relation to the said base plate, and a compressible filler member intermediate the said base plate and said butt plate.

2,344,753
BALANCING MACHINE
Thomas C. Van Degrift, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 2, 1940, Serial No. 349,413
9 Claims. (Cl. 73—53)



1. In a balancing machine, a base, a shaft for driving the part to be balanced, means for supporting the shaft on the base comprising a cantilever bearing, an inertia member rigidly secured to the bearing, means for mounting the bearing and inertia member on the base so as to permit slight yielding movement in response to unbalance, means for damping the movement of the inertia member, and indicating means carried by said inertia member and arranged to be actuated by relative movement of the free end of said bearing in response to unbalance.

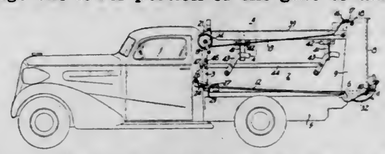
2,344,754
DRYING OF VEGETABLES
Alfred Vang, Newark, N. J., assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y., a corporation of New York
Application August 29, 1942, Serial No. 456,654
4 Claims. (Cl. 34—1)



1. A method for drying vegetable particles, or the like, of the character described, consisting in placing the vegetable, or the like particles, in a closed container of imperfect dielectric material which has a small vent for the escape of vapors, subjecting the compass within said container to a high voltage and high frequency electric field for heating the moisture within and throughout the mass of said particles, and imparting vibrations to said container for vibrating said particles to assume a homogeneous mass within said electric field.

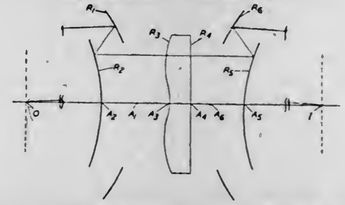
2,344,755
TRUCK
William G. Venard, San Francisco, Calif.
Application March 12, 1941, Serial No. 382,871
1 Claim. (Cl. 296—51)

A truck comprising a body, an end gate mounted on the body, disengageable hinge means arranged between the top of the gate and the body, hinge means arranged between the lower portion of the end gate and the body and slidable on the body to selectively control the amount of lower discharge opening of the gate when moving about its upper hinge means or disengage the lower portion of the gate to allow a



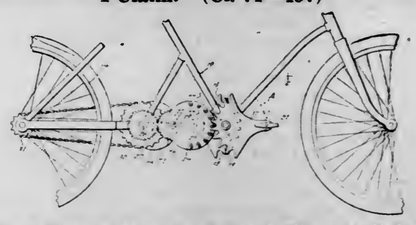
free swing of the gate about its upper hinge means, a plurality of pivotally mounted control gates arranged across the lower part of the end gate and extending in closed position below the end gate and adjacent edge of the body, and means for independently locking each control gate in retracted position.

2,344,756
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application January 15, 1942, Serial No. 426,911
In Great Britain January 6, 1941
15 Claims. (Cl. 88—57)



1. An optical objective, comprising two holosymmetrically arranged parts (that is, with the two parts geometrically similar but not necessarily identical in scale disposed on opposite sides of a stop position from which they are axially spaced at distances bearing the same ratio as the sizes of the parts) each having curved reflecting surfaces for supplying the optical power, the two parts being individually corrected for astigmatism with respect to the stop position, and a substantially afocal correcting surface located substantially at the stop position for correcting for the spherical aberration of the objective.

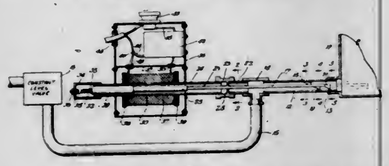
2,344,757
BICYCLE
Irving Weisberger, New York, N. Y.
Application September 29, 1942, Serial No. 460,098
1 Claim. (Cl. 74—437)



In a bicycle having a drive shaft, oppositely extending discs secured eccentrically to the ends of said shaft, said discs having rollers arranged in spaced apart relation around that edge thereof opposite the axis of eccentric securement, a

pedal shaft positioned forward of said drive shaft and having toothed sectors secured eccentrically to the ends thereof with the toothed edges thereof being adjacent said axis and facing in opposite directions, the free ends of said sectors opposite said toothed edges having pedals thereon, the teeth on one of said sectors meshing with said rollers on one of said discs during downward movement of the pedal thereof and the teeth on the other of said sectors being clear of said rollers on said other disc during the said downward movement of the said pedal, and vice versa.

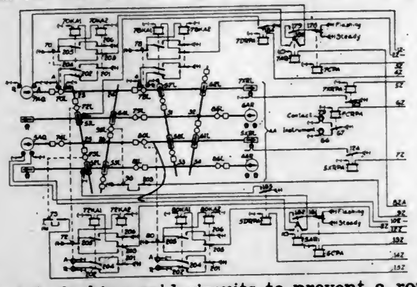
2,344,758
BURNER FUEL PIPE CLEANER
Clarke T. Welsh, Logansport, Ind.
Application June 26, 1941, Serial No. 399,867
4 Claims. (Cl. 158—120)



1. In combination with a pot type liquid fuel burner having a burner pot and a fuel feed line including a straight section of pipe connected to the burner pot, an automatic cleaning device comprising a cleaner rod of smaller diameter than the internal diameter of the straight section of pipe and having longitudinally spaced and circumferentially staggered cleaning blade segments thereon which fit into the inside of the straight section of pipe, said rod extending into the straight section of pipe to a position such that the cleaning blade segments are normally spaced from the burner pot, means preventing turning of the rod with respect to said pipe, a spring biasing the rod to said position in which the cleaning blade segments are spaced from the burner pot, an armature secured to the cleaner rod, a solenoid for actuating the armature to drive the rod toward the burner pot against the biasing force of the spring to a position such that the blade segments are moved to positions within the pot beyond the straight section of pipe, and automatic timing means effecting periodic energization of the solenoid for short intervals of time.

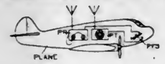
2,344,759
AIRPLANE DISPATCHING SYSTEM
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 24, 1942, Serial No. 432,121
18 Claims. (Cl. 177—353)

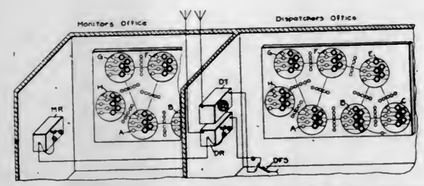
1. An indicating system for indicating routes for airplane travel comprising, a dispatcher's board signifying by the face thereof a ground route, indicators on said board for by their location in a horizontal direction on the board indicating successive check points and by their location in a vertical direction on said board indicating different altitudes at such check points, one altitude for each route and including routes starting at one altitude and ending at another altitude, said indicators by being active indicating the flight route or routes over which airplane travel has been authorized, control circuits for controlling said indicators, manually controlled contacts for controlling said circuits, relays controlled by said circuits, and contacts in some of said circuits operated by relays of other circuits



for interlocking said circuits to prevent a route in conflict with a route over which airplane travel has already been authorized from being set up.

2,344,760
AIRPLANE DISPATCHING SYSTEM
Sedgwick N. Wight and Oscar S. Field, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application August 11, 1942, Serial No. 454,452
26 Claims. (Cl. 177—353)



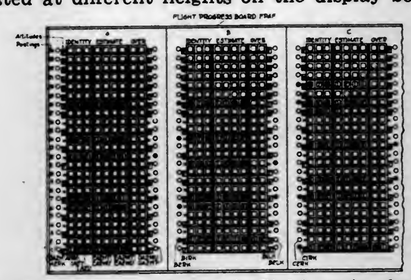


1. In an airplane dispatching system, in combination, a plane location occupied by an airplane, a dispatcher location and a monitor location spaced therefrom and including a dispatcher's office and a monitor's office isolated from each other both visually and audibly, a route indicating panel in said dispatcher's office and in said monitor's office including devices manually operable to establish a proposed route and to verify such proposed route into an actual route respectively, means for communicating between the dispatcher's office and the pilot of said airplane in both directions and between the monitor's office and said airplane only in a direction from such airplane toward such monitor's office, and means on the dispatcher's panel responsive only to contemporaneous identical manifestations of a proposed route by operation of said manually operable devices on both panels to distinctively indicate the actual route on the dispatcher's panel.

2,344,761
AIRWAY TRAFFIC CONTROL SYSTEM
Sedgwick N. Wight and Oscar S. Field, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application June 5, 1943, Serial No. 489,774
36 Claims. (Cl. 177—353)

1. In an air plane flight route display system, the combination with a display board in which a plurality of fixes are displayed side-by-side in

the order in which actual fixes are located on a ground route, a plurality of posting areas one above another for each fix on said board, an indicator for each posting area, manually operable means for establishing a particular route circuit which route circuit if energized renders the proper indicator for each fix active and which route circuit conforms to a particular flight route varying in altitude as the posting areas are located at different heights on the display board,



identifying means for each flight route characteristic of an airplane identifying character, an airplane identifying posting unit for each area electrically conditioned and capable of displaying an airplane identifying character, and means including said route circuit and said identifying means and manually controllable for causing the airplane identifying posting unit for each area having its indicator active to be actuated to display the said airplane identifying character.

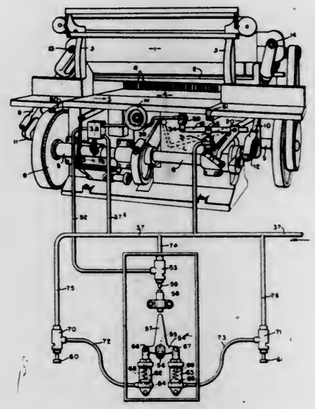
2,344,762
RESILIENT VENTILATED SHOE
William De K. Wylie, Winston-Salem, N. C.
Application May 22, 1943, Serial No. 488,100
1 Claim. (Cl. 36—3)



In a shoe, an out sole and an inner sole, the inner sole having continuous unobstructed grooves in its under face extending longitudinally from the toe portion thereof throughout the arch, said face of said inner sole also having lateral grooves communicating with said longitudinal grooves, the longitudinal and lateral grooves of said inner sole having ports extending laterally therethrough and communicating with the interior of the shoe, said outer sole having its upper face provided with longitudinal and lateral grooves, the said lateral grooves extending to the lateral edge of said out sole, a welt securing said out and in soles and holding said soles in sealed relationship, and resilient elements arranged in spaced relation between said out and insoles and normally maintaining the same yieldably spaced apart.

2,344,763
SAFETY OPERATING CONTROL FOR MACHINES
Basil J. Yanchenko, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application September 17, 1941, Serial No. 411,202
7 Claims. (Cl. 192—131)

1. In a machine embodying an element having an operating movement dangerous to the operator during a portion of its cycle of movement, transmission mechanism for actuating said element, a drive shaft, a clutch for controlling the actuation of the transmission mechanism by the drive shaft including a shiftable member, and a brake for stopping said mechanism when the clutch is released; the combination of power means for controlling the clutch and brake operation including a control member connected to the shiftable clutch member and to the brake, pressure motors, conduits through which motive fluid is supplied to the motors respectively, the motors acting in opposite directions on said control member, one to shift the same to engage the clutch and release the brake, and the other to

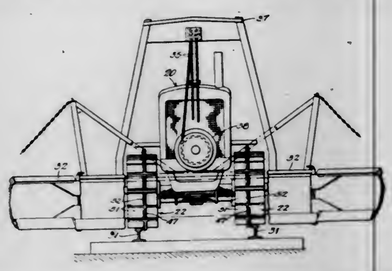


release the clutch and apply the brake, the motor operating to engage the clutch and operating with sufficiently greater force on the control than on the other member to overcome the latter, a normally closed valve in the conduit supplying the former motor, the latter motor being in open communication through the other conduit with the source of motive fluid, two hand control means for controlling the opening of said valve, and means operated by the transmission mechanism after the two hand control has been held operated a sufficient time to permit the machine to pass through the dangerous portion of its cycle of movement to hold the valve open during the remainder of the cycle of movement of the machine.

2,344,764
CRAWLER TRACTOR
Lewis E. Younie, Portland, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application May 15, 1941, Serial No. 393,545
29 Claims. (Cl. 105—215)

1. The combination with an endless track-type tractor having right and left parallel tracks for supporting and driving the tractor and having provision for steering the tractor by differentially driving the tracks, each track comprising an endless chain of shoes trained over longitudinally spaced wheels and having tread surfaces for contacting the tops of the rail heads of a railway track, of means for confining the tractor to the rails when normally running thereon and for enabling the tractor, at the will of the driver, to be maneuvered off the rails, said means comprising a longitudinally aligned series of flange

lugs carried by each track and projecting beyond said tread surfaces at the inner sides of the associated rail head in a relation thereto similar to that of car wheel flanges, and presenting outwardly facing lateral guide surfaces adapted from time to time to contact the inner face of the associated rail head to effect the confinement, the flange lugs including inwardly extending surfaces disposed adjoining, but transversely inwardly from, the plane of the guide surfaces and at a considerably slanted angle to the vertical, and adapted, when descending from the front arc of the track to the plane



of the rail top at a time when the tracks are disposed at the maximum angle to the rails which the confinement by the lugs will permit and at a time when steering effort of the tractor applied to the other track maintains a transverse outward crowd upon the foremost lug of the bottom reach of the associated track, to gain a slight outward overlap upon the near edge of the associated rail head, whereby further descent of the descending lug about the front arc and into the bottom reach of its track will lift the leading edge of the track up to the top of the rail head to permit other lugs of that track subsequently to run on top of the rail head.

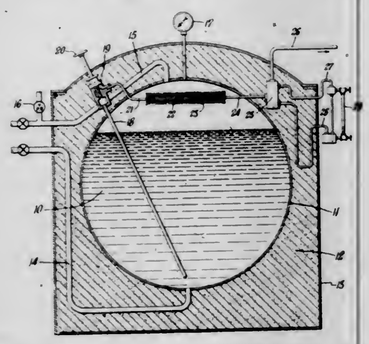
2,344,765

METHOD OF AND APPARATUS FOR STORING LIQUEFIED GAS MIXTURES

Leo I. Dana, Buffalo, and George H. Zenner, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio

Application January 14, 1941, Serial No. 374,330

4 Claims. (Cl. 62—1)



1. Apparatus for storing a mixture of liquefied gases at low temperature which comprises a container for holding a body of such liquefied gases; heat insulating means surrounding said container; means for withdrawing portions of said body of liquid; means for expanding such withdrawn portions of liquid; a condenser disposed entirely in the vapor space of said container for vaporizing said expanded withdrawn portions of liquid in heat exchanging relation with vapor above the liquid stored in said container; and a conduit connected to said condenser for conducting away the vapors of said vaporization for use.

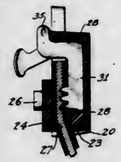
2,344,766

TELEPHONE CORD CONNECTING BLOCK

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 23, 1941, Serial No. 416,189

2 Claims. (Cl. 173—340)



1. A removable connecting block for flexible telephone cords of the multi-conductor type comprising a base member of insulating material, a channel adapted to receive a cord to be connected formed in said base member, a plurality of parallel recesses formed side by side in said channel and corresponding in number to the conductors of said cord, a contact member removably seated in each of said recesses but held against longitudinal displacement therein, a plurality of teeth on each contact member extending upwardly above the surface of said channel, a clamping member comprising a bar of insulating material, a depending ridge formed on said bar adapted to fit into said channel, screw means disposed on opposite sides of said channel for securing said clamping member to said base with said ridge in register with said channel, and means for clamping said cord in said channel at a point removed from said teeth and adjacent to the point of exit of said cord from said block so that the strain on said cord is not applied to said contact teeth themselves.

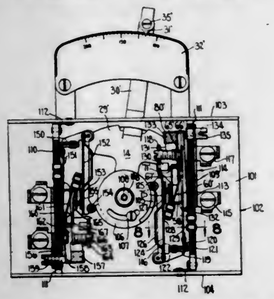
2,344,767

CONTROL DEVICE

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application October 9, 1942, Serial No. 461,487

21 Claims. (Cl. 200—139)



1. A control device comprising a supporting structure, an operating member carried by said structure, a lever member carried by said supporting structure and having a bracket portion, a control element carried by said supporting structure, a control element cooperable with said first-named control element and carried by said bracket portion, and means urging said lever member in one direction relative to said first-named control element, said operating member being cooperable with said bracket portion to move said lever member in the opposite direction.

2,344,768

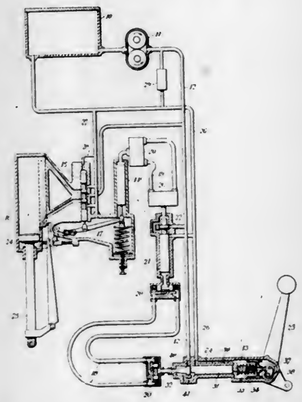
FLUID OPERATED MEANS FOR CONTROLLING APPARATUS AT A DISTANCE

Edward Dodson, Puriton, near Bridgwater, England

Application February 18, 1942, Serial No. 431,344

In Great Britain October 1, 1941

5 Claims. (Cl. 303—54)



1. A pressure reducing valve comprising a cylinder having inlet and exhaust ports and an outlet, a piston valve in the cylinder exposed at one end to the fluid pressure at the outlet and operable by movement in opposite directions from a neutral position to place the outlet in communication with the inlet port and with the exhaust port respectively, a chamber communicating with the end of the cylinder remote from the outlet, a spring in said chamber for balancing the piston valve against the pressure at the outlet and thereby urging it in its neutral position, a pump cylinder communicating with said chamber, a plunger in said pump cylinder, a valve-controlled connection from the pump cylinder to exhaust, a pivoted operating member for varying the compression of the spring for the purpose of displacing the piston valve to raise or lower the pressure at the outlet, and a link connecting the operating member and the plunger, and serving to reciprocate the plunger on actuation of the operating member, thereby expelling to exhaust leakage fluid in the chamber.

2,344,769

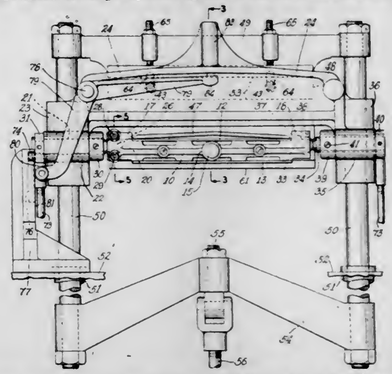
DETACHABLE TRANSFER POCKET

James P. Durning, St. Albans, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application December 20, 1940, Serial No. 370,935

8 Claims. (Cl. 131—81)

1. A charge transfer pocket for a cigar machine comprising, a frame member provided with slotted bearings in the ends thereof, end walls forming a part of said frame, spaced side wall plates fixed to said frame, and forming with said end walls a tobacco confining pocket, a charge ejecting plunger for ejecting a charge from said member, spaced screws mounted at one end of said frame and projecting into the slotted bearing



at said end, said screws operating to position said member for quick detachability from said machine, and in accurate position for receiving charges.

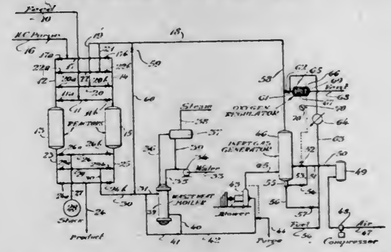
2,344,770

CATALYST REGENERATION CONTROL

Robert C. Gunness, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 15, 1941, Serial No. 422,987

4 Claims. (Cl. 252—242)



1. In a system for regenerating a body of contact material that has become relatively inactive because of the deposition of carbonaceous material thereon, the method of obtaining temperature control which comprises continuously recycling regeneration gas through said body of contact material while venting a portion of the gases leaving the body of contact material and adding oxygen to that portion of the gases which enters the body of contact material, continuously cooling at least a part of the gases leaving the body of contact material to a temperature within the approximate range of 500 to 800° F., burning a hot fuel gas with a portion of the oxygen-containing recycled flue gas, determining the temperature increase effected by the burning step; regulating the amount of introduced oxygen in accordance with the temperature of the body of material undergoing regeneration in order to effect regeneration at a high temperature level which is below a predetermined maximum temperature and regulating the oxygen concentration in the recycled flue gas in accordance with the temperature increase effected by said hot fuel gas burning step whereby the desired maximum regeneration temperature in the body of contact material may be approached but not exceeded.

2,344,771

METHOD OF DETERMINING THE VOLUME OF THE ANNULAR SPACE BETWEEN THE CASING AND WALL OF BOREHOLES

Erle P. Halliburton, Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.

Application May 21, 1943, Serial No. 487,845
1 Claim. (Cl. 73—51)
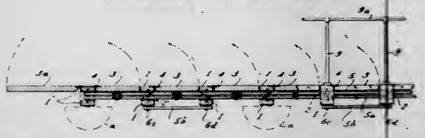


The method of determining the volume of an annular space between two levels in an oil well which consists in placing the thermal responsive element of a telemetric thermometer in a pipe in the well at one of said levels, circulating fluid through the annular space and through said pipe in opposite directions, placing a quantity of fluid in said circulating fluid of a temperature different from that normally prevailing in the well and continuing the circulation until the fluid of abnormal temperature reaches the level at which the thermal responsive element is located, as indicated by the thermometer, moving the thermal responsive element to the other level, continuing the circulation until the fluid of abnormal temperature reaches the other level, as indicated by the thermometer, and measuring the quantity of fluid pumped into the well in forcing the fluid of abnormal temperature from one level to the other.

2,344,772

NARROW FOLDABLE BRIDGE

Alfredo Heidenreich, Buenos Aires, Argentina

Application April 8, 1940, Serial No. 328,474
In Argentina March 1, 1940
7 Claims. (Cl. 14—45)



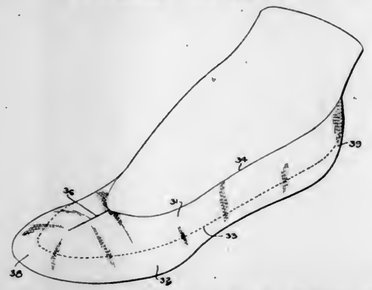
1. A narrow foldable bridge comprising a series of substantially horizontally disposed girders arranged in parallel and successive relationship, an extensible series of arms connecting the said girders, said series of arms comprising a pair of crossed arms located between each pair of girders and pivotally connected together where they cross, the ends of the crossed arms being pivotally connected to the girders between which the crossed arms are located and the connections between the ends of the arms and the girders permitting movement of the girders toward and away from each other and allowing relative movement longitudinally of the girder between the ends of the two arms connected to such girder, the said arms of the series being disposed at a level lower than that of the upper plane of the girders and being extensible in a plane parallel to said upper plane of the girders, and a plate hinged to the upper portion of each of said girders.

2,344,773

FOOT COVERING

Leon S. Herbert, Merion, Pa., assignor to Theotiste N. Herbert, Merion, Pa.

Application March 24, 1943, Serial No. 480,265
9 Claims. (Cl. 36—10)



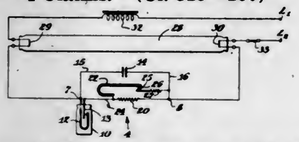
1. A slipper type foot covering of such height as to be completely concealed from view when worn within an outer pump or other such low-cut shoe and having a heel portion, a sole portion and a toe portion, said covering being knitted of a single-ply fabric and so arranged that the knitted courses of the fabric all extend in a direction generally lengthwise of the foot and horizontally around the heel and toe portions thereof, the upper portion of the single-ply fabric being doubled upon itself and joined to the single-ply fabric to form a two-ply welt of substantial depth whereby to provide for a material reduction in the stretch characteristic of the covering in the upper portion and along the upper edge thereof as compared with that in the single-ply portion thereof, the bottom of the covering being closed by a longitudinally extending seam.

2,344,774

STARTING AND OPERATING CIRCUIT FOR DISCHARGE LAMPS

Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application June 24, 1942, Serial No. 448,190
4 Claims. (Cl. 315—100)



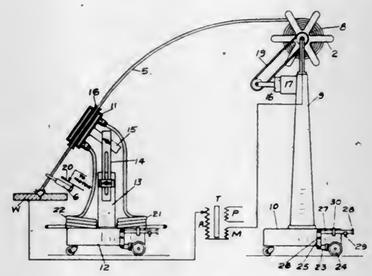
1. In combination, a gaseous electric discharge lamp containing at least one thermionic cathode and a cooperating electrode, and a starting and operating circuit therefor comprising an inductance, means connecting one end of said thermionic cathode and said cooperating electrode across the terminals of a current source in series with said inductance, and a relay device connected across the opposite end of said thermionic cathode and said electrode for initiating a discharge in said lamp and for locking-out said lamp in the event the same becomes defective comprising a glow discharge device operable to initiate a discharge in said lamp, a relay including actuating means connected in series with said glow discharge device and a pair of normally closed contacts for completing a circuit to said actuating means and to said glow discharge device, and operable by said actuating means upon continued operation of said glow discharge device for a predetermined period of time to cause opening of said contacts; and current limiting means connected in electrical series with said glow discharge device by opening of said contacts and operable to maintain the same in an open position and to limit the current supplied to said glow discharge device to a value insufficient to cause the same to operate in a futile attempt to initiate a discharge in said lamp when the latter becomes defective.

2,344,775

MEANS FOR SAVING WELDING ELECTRODE MATERIAL

Claude J. Holslag, South Orange, N. J., assignor to Electric Arc, Inc., Newark, N. J.

Application May 30, 1942, Serial No. 445,121
1 Claim. (Cl. 219—8)



In manual metallic arc-welding, means for saving electrode material which includes a long length of welding rod or wire on a reel, a portable stand carrying the reel, one terminal of a source of welding current being connected to the rod or wire on the reel and the other terminal of said current source being connected to the work, means for guiding the wire in a curvilinear path to the welding operator, said means including a second portable stand and a combined sleeve and cooling chamber held by the stand at an adjustable angle to insure the curvilinear path of movement of the rod or wire, means carried by the second stand for passing cooling fluid to and from said cooling chamber, and means under control of the welding operator for feeding the rod or wire from the reel as desired at the arc.

2,344,776

RUBBER HYDROCHLORIDE COMPOSITION

George E. Hulse, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 26, 1940, Serial No. 326,051
8 Claims. (Cl. 260—735)

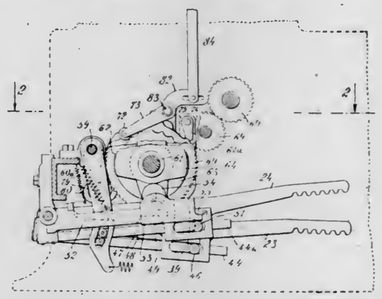
1. A rubber hydrochloride composition containing an open-chain polyalkylene polyamine composed solely of alkylene and amine groups, and in which the terminal groups are primary amine groups.

2,344,777

LOOM

John O. Hunt, Greenville, S. C., assignor to Ware Shoals Manufacturing Co., Ware Shoals, S. C., a corporation of South Carolina

Original application March 31, 1943, Serial No. 481,247. Divided and this application June 26, 1943, Serial No. 492,387
11 Claims. (Cl. 139—79)



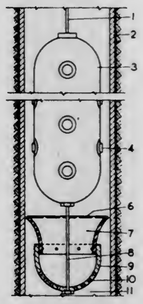
1. In a loom, the combination of a pair of treadles adapted to be connected to heddle frames, cams for lowering the individual treadles, means for connecting the treadles together to be lowered in unison by the action of both cams, a second pair of treadles adapted to be connected to heddle frames, a pair of levers, cams for lowering the individual levers, means for connecting the levers to respective treadles of the second pair, a third lever, a cam for lowering the third lever, means for connecting the third lever to both treadles of the second pair, and means for operating the several connecting means.

2,344,778

GUN PERFORATOR DEVICE

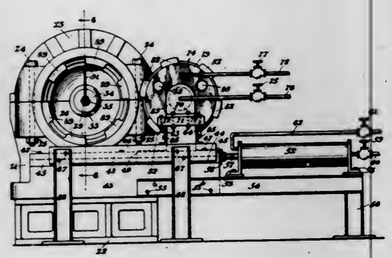
Charles H. Keplinger, Centralia, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 9, 1943, Serial No. 475,302
5 Claims. (Cl. 164—0.5)



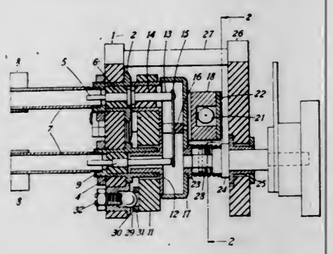
1. The combination of a gun perforator adapted to be lowered into a well on a cable and to discharge projectiles into the walls of the well, and a bullet catcher adapted to receive the bullets which fail to penetrate the walls of the well and fall down by gravity, said bullet catcher comprising a receptacle having an open upper face and a perforated bottom, said receptacle being positioned below said gun perforator and attached thereto.

2,344,779
MACHINE FOR MAKING HOLLOW BODIES
Johannes C. Kolderman and William K. Speckin, Grand Rapids, Mich., assignors to Hayes Manufacturing Corporation, Grand Rapids, Mich.
Application August 27, 1941, Serial No. 408,530
5 Claims. (Cl. 113—44)



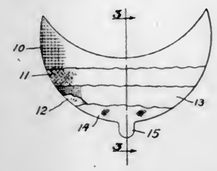
1. In a machine for impressing hollow bodies into a predetermined form, an external die of said predetermined form open at one end and adapted to receive one of said hollow bodies into nesting relationship with the die, a carriage movable transversely of the longitudinal axis of the die toward and from the open end of the die, a head mounted on the carriage and carried by the same to and from the open end of the die and provided with means for closing and sealing said open end, and means for introducing fluid pressure into the interior of said hollow body and for exhausting fluid pressure therefrom.

2,344,780
SWITCHING MEANS FOR INTERCONNECTING COAXIAL CONDUCTORS
Walter Kram and Frank Lewis John Jarvis, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application May 16, 1942, Serial No. 443,286
In Great Britain June 11, 1941
8 Claims. (Cl. 178—44)



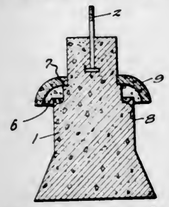
6. A switch device for connecting two of a plurality of co-axial cables comprising a supporting member, cable terminal members for the respective cables supported therein and consisting of outer terminal sleeves and inner terminal elements insulated therefrom, a rotatable switch member having connected inner and connected outer contact elements movable therewith to engage the respective inner and outer cable terminals of two of the cables for closing of the circuits through the inner and outer terminals thereof.

2,344,781
GARMENT PROTECTOR
Eunice G. Mullen, Pasco, Wash.
Application June 27, 1940, Serial No. 342,682
3 Claims. (Cl. 2—53)



1. As an article of manufacture, a dress shield composed of a pair of substantially crescent-shaped flaps joined together along their concave edges, each flap including an absorbent element and having an adhesive coating on its underside for adhering said shield to a garment, material between said flaps normally adhered to and covering said adhesive coatings and readily separable therefrom, whereby after one of said flaps is separated from said material and properly positioned and secured in the garment without interference by the coating on the other flap, said material may then be removed from said other flap and the latter secured in said garment while guided by the then first secured flap.

2,344,782
PIER
Daniel A. Muller, Donna, Tex.
Application October 24, 1942, Serial No. 463,223
1 Claim. (Cl. 43—131)



A pier of the character described comprising a substantially square concrete post including a stepped upper portion providing horizontal upper and lower shoulders at intermediate points, the lower shoulder having a continuous trough therein for the reception of an insecticide, and a concrete shield enclosing the post and resting on the upper shoulder, said shield extending outwardly and downwardly below the horizontal plane of the lower shoulder and in spaced relation to the faces of the post.

2,344,783
METHOD OF WATERMARKING COATED PAPER
George C. Munro, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
No Drawing. Application October 2, 1940, Serial No. 359,417
6 Claims. (Cl. 117—10)

1. Method of marking two-side-coated paper with a plurality of substantially parallel lines which shall be plainly visible by transmitted light but relatively inconspicuous on both printed and unprinted parts of either surface of the paper when viewed in the normal manner by reflected light, in which the paper, as it passes from the final operation in the coating process on its way to the drying operation, passes over a plurality of small-area, low-velocity steam jets spaced the same distance apart as the required parallel lines, said steam jets being located in close proximity to the path of the paper, all jets being formed at substantially the same distance from the paper surface, and directed against the wet surface of the coating at an acute angle and in the general direction of the paper travel.

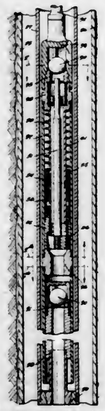
2,344,784
METHOD OF PREPARING GUANAMINES
Wilbur Null Oldham, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,144
9 Claims. (Cl. 260—249.5)

1. A process of preparing guanamines which comprises reacting an ester of an organic carboxylic acid with a biguanide in the presence of a caustic alkali in amounts sufficient to act as an effective condensing agent.

2,344,785
PHOTOPOLYMERIZATION METHOD
James S. Owens, Lancaster, Pa., and Jacob Heerema and George W. Stanton, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 3, 1940, Serial No. 351,228
13 Claims. (Cl. 204—158)

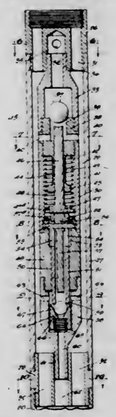
1. In a method wherein at least one compound selected from the class consisting of vinyl and vinylidene compounds is polymerized in the presence of a peroxide, an acid in amount sufficient to give the mixture a pH value of less than 6, and an ionizable iron salt having the iron attached to acid radicals, the step of further accelerating the reaction by carrying it out under exposure to actinic light of a quality rich in ultraviolet light.

2,344,786
ANTIPOUND PUMP PRESSURE EQUALIZER
Edgar W. Patterson, Downey, and Wesley L. Patterson, Long Beach, Calif.
Application March 24, 1942, Serial No. 436,004
15 Claims. (Cl. 103—179)



1. An anti-pounding device for use with a deep well pump discharging into a high pressure production column, and having a working chamber between standing and traveling valves, said device including means exposed at one side to working chamber pressure and yieldable in one direction in accordance with rising pressure in said working chamber during each discharge stroke of the pump, means forming a chamber normally isolated from rising pressure in said working chamber and to which said yieldable means is exposed at its opposite side, means positionable by said yieldable means in the course of its yielding movement for opening the working chamber of the pump into pressure equalizing communication with the production column independent of the traveling valve of the pump, means for returning said yieldable means to inactive position subsequent to said pressure equalization, and means controlled by said yielding means in the yielding and return movements thereof for respectively establishing and cutting off pressure communication between the working chamber and the said isolated chamber.

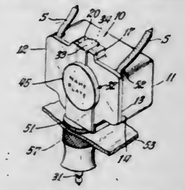
2,344,787
ANTIPOUND PUMP PRESSURE EQUALIZER
Edgar W. Patterson, Downey, and Wesley L. Patterson, Long Beach, Calif.
Application May 10, 1943, Serial No. 486,374
7 Claims. (Cl. 103—179)



1. In an anti-pound device for well pumps of the type including standing and traveling valves and having a working chamber therein between said valves, and production tubing receiving discharge from said working chamber to form therein a production column, said device comprising a shell connected to form therein a part of said working chamber, a casing within said shell having therein spaced pressure ports respectively opening interiorly and exteriorly of the shell, an equalizing valve for closing off communication between said ports, said casing having therein a low pressure chamber, a hollow piston slidable in the casing with one end opening within the low pressure chamber at all times, and exposed at its opposite end to pressure within the shell for moving the piston in one direction, a valve member seatable to close the last mentioned end of the piston during its pressure-actuated movement, means actuated by the piston during its said movement for unseating the equalizing valve, means positioned to unseat the piston valve during said movement of the piston after unseating of the equalizing valve, to thus equalize pressures in the shell and the low pressure chamber, and means to subsequently return the piston, said

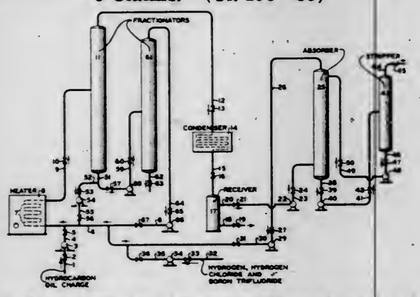
piston valve opening away from the said low pressure chamber for exhaust of pressure from the chamber when the interior of the shell is at low pressure.

2,344,788
ELECTRIC SWITCH
Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application August 18, 1941, Serial No. 407,260
5 Claims. (Cl. 200—168)



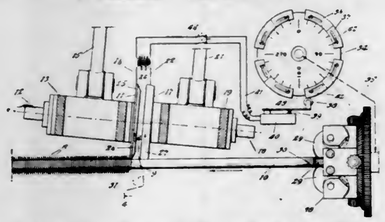
1. In an electric switch unit including a non-metal casing having a pair of separable members, with one of said separable members having an opening in one side thereof, and the other separable member constituting a cover for said open side, said one separable member having a pair of sides each one of which is integrally formed with a projection extending transversely outwardly therefrom, a metal member of substantially U-shape for holding said two separable members in assembly relation having one end thereof provided with a flange portion adapted for releasable connection with one of said projections, said releasable connection permitting an opposite end of said metal member to be pivotally moved relative to said housing and to a position overlying the other of said projections, said opposite end having a lug portion thereon for locking engagement with other projection to retain said metal member fixed on said housing, with the intermediate portion of said metal member extending about said other separable member, a side portion of said one member and one leg of said metal member having registering openings therein, and a switch mechanism supported within the cavity of said one member and provided with an operating element which extends through said openings.

2,344,789
DESTRUCTIVE HYDROGENATION OF HYDROCARBON OILS
Louis Schmerling, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 30, 1940, Serial No. 359,081
6 Claims. (Cl. 196—53)



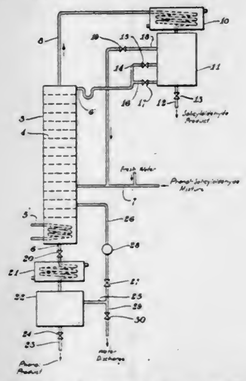
1. A process for the preparation of motor fuel and isobutane which comprises subjecting a hydrocarbon oil charging stock to the action of hydrogen in the presence of boron trifluoride and hydrogen chloride under conditions of temperature, pressure, and time of contact regulated to cause destructive hydrogenation of said charging stock with the formation of substantial yields of isobutane and motor fuel.

2,344,790
MANUFACTURE OF FINNED TUBING AND THE LIKE
Emil A. Schryber, Lynbrook, N. Y., assignor to Tilco-Fin, Inc., Brooklyn, N. Y., a corporation of New York
Application March 11, 1943, Serial No. 478,815
9 Claims. (Cl. 219—4)



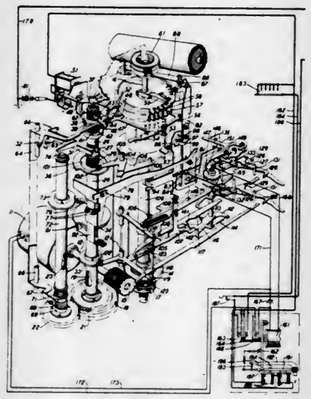
1. In the manufacture of extended surface tubing or the like, the combination with means for rotating and longitudinally advancing the tubing or the like, of an electrode rotating on an axis inclined with respect to the axis of said tubing or the like and having a narrow rim portion to bear on the narrow unslitted edge portion of a strip which has been transversely slitted inward from the opposite edge to form fins, a companion rotary electrode bearing on the tubing or the like, adjacent the first electrode, means for supplying welding current to said electrodes and means for thrusting said electrodes under pressure against said fin strip and tubing or the like.

2,344,791
SEPARATION OF PHENOL FROM SALICYLALDEHYDE
Wesley C. Stoesser, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application April 1, 1942, Serial No. 437,128
4 Claims. (Cl. 202—42)



1. The method of separating salicylaldehyde from a mixture thereof with phenol which comprises the steps of diluting the phenol-salicylaldehyde mixture with water until the weight of water present is at least 4 times that of the salicylaldehyde; vaporizing the diluted mixture; dephlegmating the vapors; condensing the evolved water-salicylaldehyde azeotrope; returning as reflux a portion of the condensate, the water and salicylaldehyde therein being in substantially azeotropic proportions; permitting the balance of the condensate to separate into a water layer and a salicylaldehyde layer; returning the water layer to the column; and removing the salicylaldehyde layer.

2,344,792
MOTOR CONTROL MECHANISM FOR PRINTING TELEGRAPH APPARATUS
Burdette S. Swezey, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1941, Serial No. 420,608
22 Claims. (Cl. 178—23)

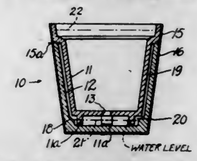


1. In a printing telegraph apparatus including a character spacing mechanism, a driving motor for said printing telegraph apparatus having an energizing circuit, means for opening and closing said energizing circuit, means including two sets of normally open contacts in series for actuating said motor circuit opening and closing means to open said circuit, means responsive to a predetermined received signal for closing one of said sets of contacts, means for retaining said one set of contacts closed, means responsive to another predetermined received signal for closing the other of said sets of contacts, and means operated by said spacing mechanism for releasing said retaining means to disqualify said motor circuit opening and closing means against opening said circuit.

2,344,793
COATING COMPOSITION
Oscar W. Tissari, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 25, 1942, Serial No. 440,472
7 Claims. (Cl. 260—21)

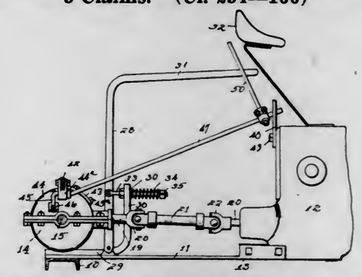
1. A light-colored coating composition comprising an alkyd resin modified with an oil having drying properties, a pigment and from .05 to 1.00% of a wax based on the pigment present, the softening point of the said wax being above 60° C.

2,344,794
COMBINATION FLOWERPOT AND JARDINIERE
Nicholas Vallinos, New York, N. Y.
Application March 22, 1943, Serial No. 480,103
1 Claim. (Cl. 47—34)



A combined flower pot and jardiniere, including a pot having an annular outwardly offset shoulder portion at the mouth thereof defining a band-like part forming the upper portion of the pot, and a jardiniere receiving said pot and supporting the same at the bottom of the shoulder portion, the pot consisting substantially of porous material with the band-like part thereof being externally non porous and the rest of the pot below said part being externally and internally porous to water, the jardiniere consisting substantially of porous material with the external surface thereof non porous and the internal surface thereof porous to water, the external surface of the pot below the shoulder portion being spaced from the internal surface of the jardiniere to afford a water and moisture chamber in communication with the pot, said porous materials affording water storage capacity with water in said chamber being absorbed and distributed at the porous surfaces and by the porous materials, said chamber being closed by the shoulder portion constituting a closure therefor and the non porous surfaces of the pot and jardiniere being substantially continuous with each other the non-porous surface portions of the band-like part and of the side wall of the pot lying in a single continuous upright surface.

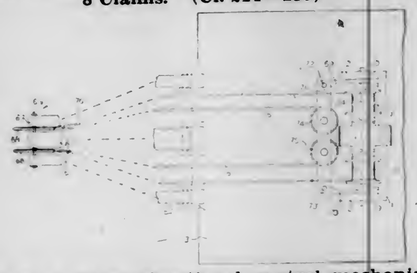
2,344,795
STACKER OPERATING MECHANISM FOR TRACTORS
Peter H. O. Weber, Dunlap, Iowa, assignor of one-half to George V. Gorham, Dunlap, Iowa
Application June 25, 1941, Serial No. 399,659
3 Claims. (Cl. 254—166)



1. In a device of the class described, a tractor frame, a seat mounted on said frame, a gear support mounted on said frame, a gear casing carried by said support, a shaft rotatably mounted in said gear casing and longitudinally of said support, means within said gear casing for rotating said shaft, a cable drum rotatably mounted on each end of said shaft, a clutch device operatively connecting each of said drums to said shaft, a bracket adjustably mounted on said gear casing, a bracket adapted to be attached to the tractor frame near said seat, a control rod for

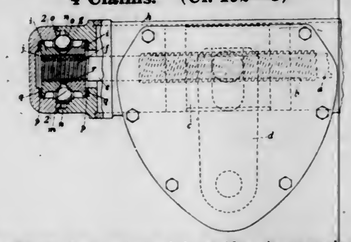
each clutch mounted in said brackets, means operatively connecting one end of each of said control rods to its respective clutch device for operatively connecting the clutch to said shaft, and a lever on the other end of each of said rods, said levers being located near the tractor seat.

2,344,796
BOOM HOIST
Fred L. White, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a corporation of Ohio
Application January 9, 1943, Serial No. 471,896
8 Claims. (Cl. 214—135)



1. In a boom elevational control mechanism for a power excavator or hoist; a platform; a boom pivotally mounted thereon; sheaves on the free end of said boom; a driven shaft rotatably mounted on said platform; a reversing mechanism on said shaft; a windlass and its shaft mounted on said platform; means to drive said windlass from said reversing mechanism; said windlass comprising a pair of drums; an equalizer pivotally associated with and disposed adjacent said windlass and its shaft and having a pair of idler sheaves thereon; and a cable, the ends of which are secured to each drum and which is trained about said boom sheaves and said equalizer sheaves, adapted to be wound and unwound from both said drums as said windlass is rotated.

2,344,797
VEHICLE STEERING MECHANISM
Thomas Henry Briggs and Walter Henry Briggs, Birmingham, England, assignors to Burman & Sons Limited, Birmingham, England
Application December 12, 1942, Serial No. 468,807
In Great Britain July 25, 1942
4 Claims. (Cl. 192—8)

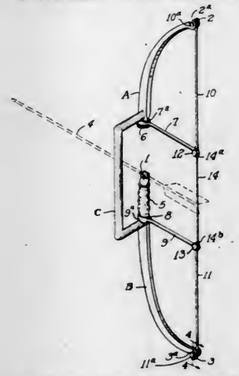


1. Means for minimising the transmission of forces resulting from road surface irregularities to a vehicle driver through the vehicle steering mechanism, comprising the combination of a screw-threaded member rotatable by movements imparted to the steering mechanism by the driver, a pair of nuts mounted on the said screw-threaded member and having a limited angular freedom of movement relatively to the said member, a housing surrounding the nuts, an antifriction thrust bearing contained in the housing and situated between the adjacent ends of the said nuts, and friction surfaces within the housing and adapted to co-operate with the opposite end surfaces of the said nuts, the arrangement being such that the end thrust of the spindle due to normal operation of the mechanism is taken by the antifriction bearing, but end thrust due to a force resulting from an irregularity of the road surface is taken by one or the other of the friction surfaces.

2,344,798
MANUFACTURE OF ORGANIC ESTERS
Joseph Horsefield Brown and John Stephen Watt, Stockton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 16, 1939, Serial No. 262,304. In Great Britain March 16, 1938
15 Claims. (Cl. 260—486)

1. A method of manufacturing esters of methacrylic acid which comprises reacting methacrylic acid with acetylene in the presence of a mixture of the class consisting of mercuric sulphate-sulphuric acid and mercuric phosphate-phosphoric acid.

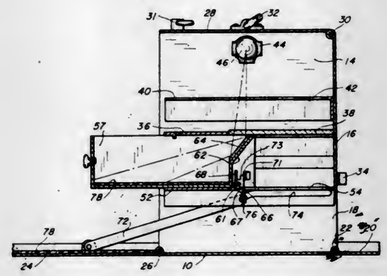
2,344,799
ARCHERY BOW
Thomas B. Brown and Marion L. Stansell, Dayton, Ohio
Application June 12, 1941, Serial No. 397,780
8 Claims. (Cl. 124—23)



1. In an archery bow, in combination, an upper bow arm, a lower bow arm, and an intermediate bow portion interconnecting said upper and lower bow arms, the inner ends of said bow arms being separated and one of the same extending to a point substantially midway between the outer extremities of said arms and being provided with a groove for receiving and supporting an arrow to be launched from the bow, the intermediate bow portion joining the last mentioned bow arm at a point spaced from the inner end of said last mentioned arm sufficiently to enable said last mentioned arm to be gripped by the hand of the user at a point immediately adjacent said groove.

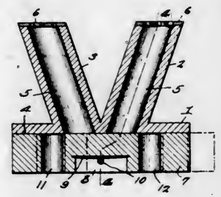
2,344,800
CABINET
Maude L. Butcher, Seattle, Wash.
Application September 16, 1942, Serial No. 458,512
3 Claims. (Cl. 312—186)

1. A cabinet, comprising: a plurality of walls joined at their edges to enclose a space, an upright wall of said group being hinged along its lower edge, a shelf above the bottom and extending from the side of the space closed by said hinged wall to a medial position within the area and providing thereby a communication opening from the space above to the space below the shelf, a drawer slidable upon said shelf and having a



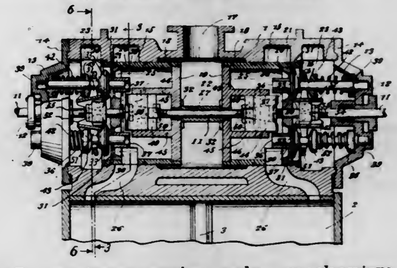
lug extending downwardly through said opening, guide ways under said shelf, a bar mounted in said guide ways and movable below the shelf to engage said lug on the drawer, and link means between the hinged wall and said bar to move the latter upon opening movement of the hinged wall to slide said drawer outwardly upon the shelf.

2,344,801
CONDIMENT HOLDER
Edwin R. Chase, Sacramento, Calif.
Application February 16, 1943, Serial No. 476,084
1 Claim. (Cl. 65—45)



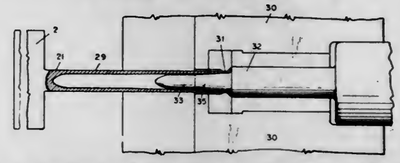
A condiment holder including a base, upwardly extended hollow arms integral with the base, there being a longitudinal channel within the base open at the bottom and ends and opening upwardly into the arms, each of said arms having an outlet at that end remote from the base, a slide extending longitudinally of the channel and proportioned for insertion through the bottom of the channel, spaced openings in the slide, said slide being movable in one direction to position one of the openings in register with the interior of one of the arms and, in the opposite direction to bring the other opening in register with the other arm, said slide normally being positioned to close the lower ends of both of the arms, and cooperating means within the base and slide for retarding the movement of the slide and for holding the slide in position in the base against removal in any direction from the channel, said means including a transverse pin extending across the chanel and anchored in the base, there being a longitudinal recess in the bottom of the slide through which the pin is extended, said recess being closed at its ends, and a leaf spring seated in the slide and bearing upon and slidably engaging the pin.

2,344,802
STEAM ENGINE VALVE MECHANISM
Thomas D. Crawford, Robert L. Woodall, and Algot G. Osterberg, Hammond, Ind.
Application March 25, 1942, Serial No. 436,210
10 Claims. (Cl. 121—185)



9. In a steam engine valve mechanism including a cylinder, a piston in the cylinder having a piston rod protruding from an end of the cylinder, and a cylindrical valve casing having a central steam inlet and exhaust outlets at its ends, there being ports between the casing and opposite ends of the cylinder; removable heads closing ends of the casing, partitions in the casing spaced from each other and dividing the casing into a central steam chamber and exhaust chambers and port chambers between the steam chamber and the exhaust chambers, inner ones of the partitions being formed with inlet openings and the outer partitions having outlet openings formed therein, a valve rod extending longitudinally through the casing and reciprocated in timed relation to reciprocation of the piston rod, valves for the inlet openings yieldably held closed, means actuated from the valve rod for periodically opening the inlet valves during reciprocation of the valve rod, valves for the outlet openings yieldably closed and adapted to be opened by exhausting steam, latches for holding the outlet valves closed, and means moving with the valve rod into and out of position for holding the latches in position to maintain the outlet valves closed.

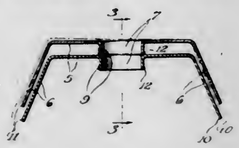
2,344,803
METHOD OF FORGING SHOVEL SOCKETS AND THE LIKE
William W. Criley, Shaker Heights, Ohio, assignor to The Ajax Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1940, Serial No. 361,241
8 Claims. (Cl. 207—10)



8. A method of forming a shovel or like tool having a wide head portion and a relatively narrow receiving socket extending integrally therefrom which comprises providing a unitary blank having an enlarged portion from which projects a relatively narrow shank, forming said shank to define a reduced neck portion adjacent the enlarged portion aforesaid, disposing said reduced neck portion in a die to hold the same while piercing and expanding the portion of said shank positioned outwardly of the neck-portion into a thick-walled hollow section, disposing said ex-

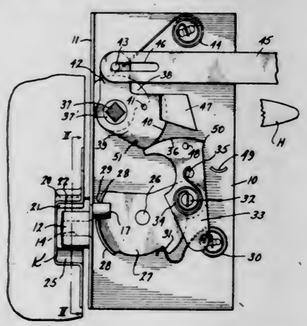
panded part in a die to hold the same while piercing and expanding said reduced neck-portion to form the inner end of said socket, disposing said neck-portion in a die orifice and then extruding said thick-walled section into a relatively thin-walled section by causing it to move in a direction toward said head portion through said orifice and about a die plunger smaller than the same.

2,344,804
BINDER STRAP SEAL
George A. Crosby, Park Ridge, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application May 7, 1942, Serial No. 442,123
3 Claims. (Cl. 24—23)



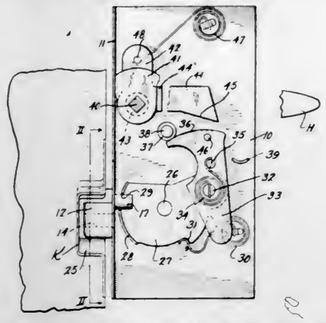
1. A strap seal which is internestable with like seals and has a back plate and similar outwardly and downwardly flaring wings extending from the opposite lateral edges of the back plate, characterized by the provision of a hole in the approximate lateral and longitudinal center of the back plate, the hole being substantially completely rimmed by a flange for spacing the back plate from an adjacent internested seal, and permitting both longitudinal and lateral tilting movements between adjacent seals.

2,344,805
AUTOMOBILE DOOR LOCK
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 19, 1943, Serial No. 476,404
9 Claims. (Cl. 292—198)



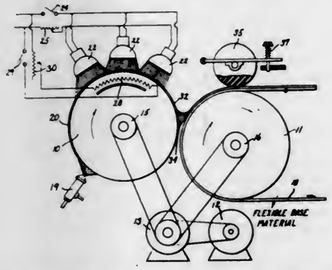
6. Door locking structure comprising a housing on the door, a rockable latch bolt on said housing for engagement with a keeper on the door frame to be rocked into latching engagement therewith when the door is swung to closed position, an actuating member movable with said bolt, a cam member fulcrumed on said actuating member and having an eccentric camming surface, and a setting member engaged by said camming surface upon rocking of said bolt to locking position whereby said actuating member is moved to force said bolt intimately into locking engagement with the keeper.

2,344,806
AUTOMOBILE DOOR LOCK
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 19, 1943, Serial No. 476,405
7 Claims. (Cl. 292—198)



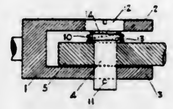
1. An automobile door lock structure comprising a housing on the door, a rockable latch bolt on the housing for cooperation with a keeper on the door frame, an actuating lever fulcrumed intermediate its ends on said housing and having connection at its outer end with said bolt for movement therewith, a spring tending to hold said actuating lever for setting of the bolt to unlocking position, a cam lever fulcrumed on the inner end of said actuating lever and terminating in a cam surface, an abutment stud on said housing, and a spring for said cam lever tending to move said lever for engagement of its cam surface with said abutment stud whereby to move said actuating lever for setting of said bolt to locking engagement with the keeper when the door is closed.

2,344,807
PROCESS OF APPLYING COATING FILMS
Folsom E. Drummond, Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
Application May 16, 1940, Serial No. 335,591
6 Claims. (Cl. 117—110)



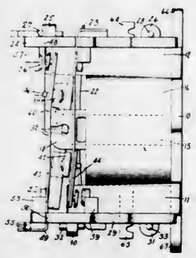
1. The method of applying a coating of wrinkle-forming absorbable solidifying film-forming material on a base of fibrous woven or felted material having an absorbent surface without substantial absorption of the former by the latter, which comprises: depositing a film of said absorbable material on a continuous, smooth, nonabsorbent surface; applying heat to said film whereby partially to set it and develop a wrinkle surface thereon; removing said partially set and surface wrinkled film from said nonabsorbent surface; depositing said film on a traveling web of said absorbent material with the underside of said film in contact with said absorbent material; and combining said partially set and surface wrinkled film and said absorbed material by pressure applied thereon.

2,344,808
CLEVIS JOINT
Francis Walker Norman Duffield, Barr Common, near Walsall, and Patrick James Hargreaves Riley, Birmingham, England
Application March 3, 1943, Serial No. 477,884
In Great Britain July 31, 1941
8 Claims. (Cl. 287—100)



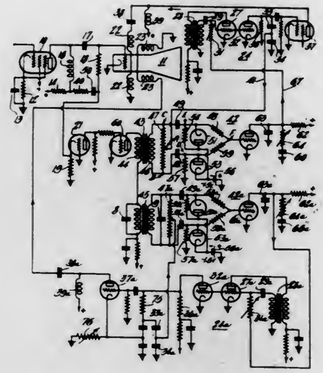
1. A clevis joint comprising a bifurcated clevis on the end of one rod, a second rod having an eye in one end thereof, a pin jointing the said eyed end in the clevis and a spring disposed around the pin and stressed between a clevis arm and the eyed end, the said spring being anchored to the said pin.

2,344,809
ELECTROMAGNETICALLY OPERATED SWITCH
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 20, 1942, Serial No. 451,522
8 Claims. (Cl. 200—87)



1. An electromagnetic device comprising an elongated member of magnetic material forming a base, long and short core legs secured to one side of said base, a transverse pole portion on the end of each of said core legs extending substantially parallel with said base and transversely with respect thereto, said pole portions being spaced different distances from said base, a middle core leg between said first two core legs, an armature member pivotally mounted on said middle core leg and pivotally movable to an attracted position in which opposite sides of said armature engage inner and outer sides of said pole portions on said short and long legs respectively, said armature having a portion on its end adjacent said long core leg laterally offset away from said long core leg to provide a magnetic flux insulating air gap between said armature and said long core leg, and a winding on said middle leg for moving said armature when energized to said attracted position.

2,344,810
SYNCHRONIZATION OF DEFLECTING CIRCUITS
Gordon L. Fredendall, Westmont, and Alfred C. Schroeder, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 31, 1941, Serial No. 425,198
8 Claims. (Cl. 178—7.5)



1. In the operation of an oscillator, the method of synchronizing said oscillator with synchronizing pulses which includes producing a pair of waves having a definite time relation with respect to the frequency of said oscillator and having simultaneously sloping portions which slope in the same direction, superimposing with opposite polarity said synchronizing pulses upon said sloped portions, respectively, to produce a pair of resultant pulses, producing a frequency control voltage having a value which changes in response to a change in the relative peak amplitudes of said resultant pulses, and applying said control voltage to said oscillator to control its frequency.

2,344,811
INSECT-REPELLING FABRIC AND GARMENT
Ferdinand A. Gill, Chicago, Ill.
Application January 28, 1942, Serial No. 428,490
1 Claim. (Cl. 2—2)

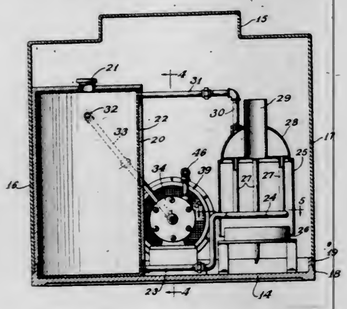
An insect-repelling suit for personal wear comprising a coat, trousers and headpiece, each composed, at least in part, of an insect-repelling fabric comprising an underlying supporting web composed of intersecting strips of flexible material joined together at their points of intesection, and an overlying insect-repelling fabric netting, said intersecting strips being relatively thick or deep, compared to the thickness of said netting, so as to maintain said netting out of contact with the skin and outer clothing of the wearer and thus prevent or repel the biting of mosquitoes and other insects therethrough, said headpiece including a cap having a visor and a tubular neck and face encircling member permanently attached to the cap at the back and sides and having a front closure portion having means for detachably securing it to the outer edge of the visor and extending downwardly from the visor to the lower edge of said tubular member and adapted when unfastened to permit the tubular member

to be arranged over the top of the cap when protection is not required, and fastening means for



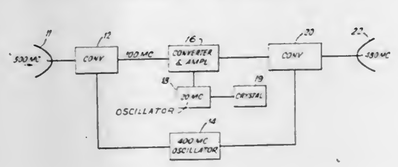
securing the lower edge of the tubular neck encircling member to the coat at the top thereof.

2,344,812
HEATING APPARATUS
Ferdinand A. Gill, Chicago, Ill.
Application November 18, 1942, Serial No. 465,987
1 Claim. (Cl. 219—39)



A portable heating apparatus comprising a relatively small portable housing including a wall provided with an opening to the atmosphere and said housing having the following parts arranged therein and the said portable heating apparatus including the combination of; a liquid storage container or reservoir; a heating unit; means for conducting relatively cool heat-conducting liquid from the lower portion of the said storage container to the said heating unit; means for conducting heated liquid by convection from the said heating unit into the upper area of said storage container; a heat-radiating unit; liquid circulating means including a pump for withdrawing heated liquid from the upper area of said storage container and forcing the same into the said heat-radiating unit; and means for operating the said pump; said heating unit including a tubular heating element and the said liquid circulating means including a pipe leading from the upper area of the said storage container into the inlet side of the said pump; an electrical circuit including an electrical heating element arranged below the said tubular heating element and temperature-responsive control device responsive to the temperature of the liquid in the said storage container; said portable heating apparatus also including a second electrical circuit including a temperature-responsive control device responsive to the temperature of the air in the area in which the said portable heating apparatus is arranged and which is to be heated thereby; said heat-radiating unit including a casing providing a heated liquid circulating chamber and said heat-radiating unit including a heat-radiating grille mounted in the said opening in the said wall of the said housing; said liquid circulating means including a pipe leading from the outlet side of the said pump into the upper portion of the said heated liquid circulating chamber and the said liquid circulating means including another pipe leading from the lower portion of the said heated liquid circulating chamber into the lower area of the said liquid storage container whereby in the use of said portable heating apparatus relatively cool heat-conducting liquid will flow by gravity from the lower portion of the said storage container into the said tubular heating element and heated liquid will flow by convection from the upper portion of the said tubular heating element into the upper area of the said storage container and heated liquid will be withdrawn by said pump from the upper area of the said storage container and will be forced thereby into the upper area of the said heated liquid circulating chamber in the said heat-radiating unit from which the said heat-conducting liquid will flow back into the lower area of said storage container for return to said heating unit.

2,344,813
RADIO REPEATER
Hallan E. Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 26, 1941, Serial No. 412,401
8 Claims. (Cl. 250—15)



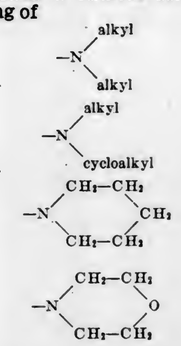
1. In a radio relay station having input and output circuits operating at different frequencies, a frequency converter in each of said circuits, means for supplying a single high frequency wave to both of said converters, an intermediate frequency channel connecting said input and output circuits and means in said channel for shifting the intermediate frequency by an amount equal to the difference between the input and output frequencies.

2,344,814
PROCESS FOR MANUFACTURE OF ARYL-OXY-ALKYLAMINO BUTANONES
Adolf Grün and Willy Stoll, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a firm
No Drawing. Application October 2, 1941, Serial No. 413,383. In Switzerland October 8, 1940
2 Claims. (Cl. 260—247)

1. Process for the production of aryloxy-alkyl-aminobutanones, which comprises alkylating a member of the group consisting of monohydric phenolic bodies of the benzene and naphthalene series with a monohalogen acetone and condensing the resulting aryloxy acetone with a hydroxymethylamine of the following formula

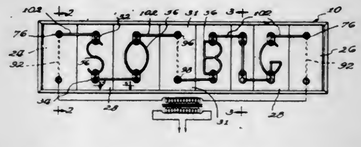
$$OH.CH_2.X$$

wherein X means a radical selected from the group consisting of



and

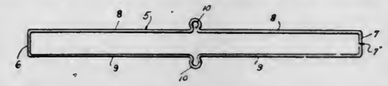
2,344,815
NEON SIGN
Samuel S. Guyral, Chicago, Ill., assignor to General Outdoor Advertising Co., Chicago, Ill., a corporation of New Jersey
Application September 27, 1940, Serial No. 358,603
12 Claims. (Cl. 40—130)



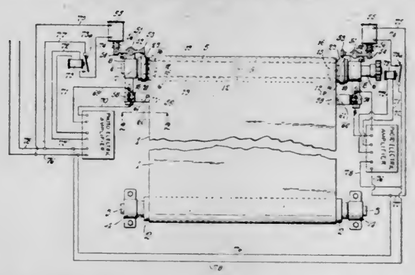
1. In a neon sign comprising a supporting structure and a step up transformer for supplying current of high voltage to said sign, the combination of a plurality of letter panels carried by said supporting structure, insulated double chambered sockets mounted in said panels, contacts in said chambers electrically connected with each other, end panels carried by said supporting structure, electrically connected sockets in said end panels, one of said sockets of each end panel being connected to one terminal of said transformer, neon tubes shaped in the form of letters, arms on said tubes for supporting said tubes and providing electrical connection thereto, said arms being spaced to permit insertion in the corresponding chambers of the double sockets of said letter panels in electrical connection with the contacts therein, and a plurality of interchangeably usable jumpers removably received in the unoccupied chambers of corresponding double sockets in adjacent letter panels and adjacent end and letter panels in electrical connection with the contacts therein, said jumpers completing a series electrical connection between the letters on said panels and between the transformer and said letters.

2,344,816
BROOM HOLDER
Martin George Hahn, Milwaukee, Wis.
Application October 7, 1943, Serial No. 505,373
1 Claim. (Cl. 24—257)

An article of manufacture in the form of a broom holder constructed from a single strand of resilient wire bent into substantially rectangular configuration and having its ends secured together and its medial portion bent into eyes, said strand of wire so formed having its outer portions coiled toward one another to form opposed upper and lower gripping jaws connected together in vertically disposed pairs.

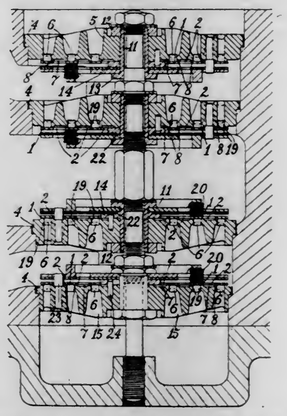


2,344,817
SELF-ALIGNING PULLEY
Rudolph F. Hlavaty, Cicero, Ill.
Application February 16, 1942, Serial No. 431,092
20 Claims. (Cl. 74—241)



1. In combination, a belt and a pulley, said pulley including a body and a longitudinally movable surface member, said body being mounted for rotary movement only, and means for moving said surface member longitudinally, with relation to said body, to correct belt misalignment, electric means for controlling the operation of said moving means, and adapted upon misalignment of the belt to control the movement of said surface member moving means.

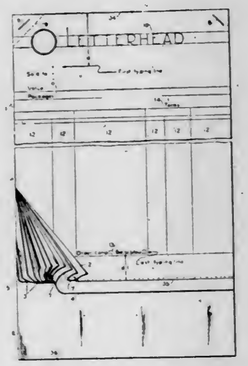
2,344,818
VALVE
James Hutton, Letchworth, England, assignor to J Browett Lindley (1931) Limited, Letchworth, England
Application May 25, 1942, Serial No. 444,411
In Great Britain July 12, 1941
2 Claims. (Cl. 251—119)



2. A ring plate valve for use on air compressors comprising in combination a valve seat, a guard

plate spaced from said valve seat, a valve plate movably mounted with respect to the valve seat, a flexible cushion plate situated between the valve plate and the guard plate and serving to damp the opening movements of the valve plate, all said members being in the form of discs arranged in superposed relationship, the valve seat and the valve guard plate being fixed in position and having a series of ports therein through which the air may pass and the valve plate having a series of circular holes therein through which the air may pass when the valve plate is moved out of contact with the valve seat, a lift washer centrally disposed to lie between the valve seat and the guard plate and serving as a guide for the valve plate, and means locating the cushion plate on said lift washer such that the cushion plate has only a limited and slight lifting movement relatively to the lift washer, sufficient to provide the desired cushioning effect for the valve plate.

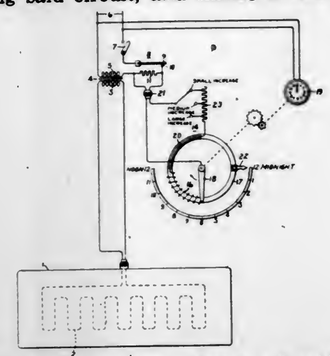
2,344,819
INVOICE FORM AND METHOD OF INVOICING
Edward Jacobs, Philadelphia, Pa.
Application September 9, 1941, Serial No. 410,195
12 Claims. (Cl. 282—22)



7. In a set of invoice sheets comprising a plurality of invoice sheets joined together, associated with transfer means, having thereon an appropriately designated first typing line and another appropriately designated last typing line, and which are to be used as a unit in conjunction with a typewriter having a platen, upper sheet retaining means and lower sheet retaining means,—an invoice sheet terminating in a tail piece equal in length to at least the distance from said appropriately designated last typing line of said set of invoice sheets to said lower sheet retaining means of said typewriter plus the distance from the upper edge of said set of invoice sheets to said appropriately designated first typing line of said set of invoice sheets.

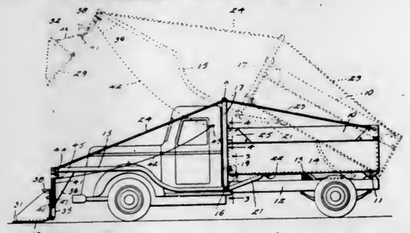
2,344,820
ELECTRIC BLANKET TEMPERATURE CONTROL APPARATUS
William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 1, 1942, Serial No. 460,351
10 Claims. (Cl. 219—46)

1. In combination, an electric blanket, a heating circuit for said blanket, ambient temperature responsive means for periodically opening and closing said circuit, and timing means for pro-



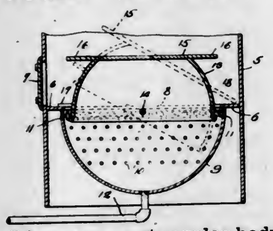
gressively varying the setting of said ambient temperature responsive means during a predetermined period of the day.

2,344,821
POWER SHOVEL
Albert H. Kiesel, Tiffin, Ohio
Application January 28, 1943, Serial No. 473,870
2 Claims. (Cl. 214—140)



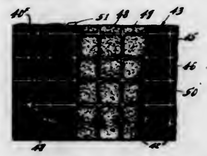
1. The combination with the tiltable body of a dump truck, of a pair of uprights secured to the forward part of the body and extending thereabove, a pair of arms connected at their rear ends to the body and extending forwardly therefrom, a scraper bucket tiltably mounted on the forward ends of the arms, a manually releasable latch means releasably holding the bucket in loading position, and members secured to the upper ends of the uprights and to the front ends of the arms, said members supporting the forward ends of the arms and being flexible to permit the bucket to rise on striking a relatively high obstacle.

2,344,822
OIL BURNER
Thomas I. Krauska, St. Louis, Mo.
Application March 4, 1942, Serial No. 433,356
3 Claims. (Cl. 158—91)



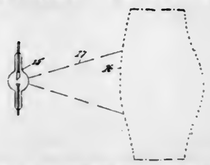
1. In an oil burner, a rectangular body portion, having side and end walls a fire-pot mounted within the body portion, said fire-pot having an open top and a curved wall forming the bottom and sides of the pot, a substantially bell-shaped baffle mounted within the body portion, the open side of the baffle being disposed within the fire-pot in spaced relation with the curved wall thereof, providing an annular passageway between the fire-pot and baffle, a shaft extending through the body end walls on which said baffle is rotatably mounted, said fire-pot having a plurality of openings formed therein and through which air enters the fire-pot, and a pipe extending into the bottom of the fire-pot and through which fuel is fed to the fire-pot.

2,344,823
X-RAY PHOTOGRAPH MARKING, AND METHOD AND MEANS OF MAKING SAME
Clyde R. Landis and William L. Culpepper, Chicago, Ill., assignors to Don B. McCloud, Du Quoin, Ill.
Application July 21, 1941, Serial No. 403,268
9 Claims. (Cl. 250—65)



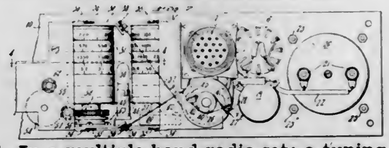
1. A method of marking double coated films consisting in interposing the film between two intensifier screens adapted to give off light when impacted by X-rays through a body to be pictured and interposing between only one of the screens and the film a transparent marking sheet having intersecting vertical and horizontal markings thereon of an area to extend over the image pictured on the film produced by material pervious to X-rays but impervious to light rays from the screen whereby the image of the object produced will be produced upon both sides of the film by the X-rays, completely on one side by the light rays from the intensifier screen at that side and on the other side by the light rays from the other intensifier screen except at the interception of the light rays from said screen by the lines so as to produce lines on the film at said side only in the form of transparencies.

2,344,824
METHOD AND MEANS OF MAKING X-RAY PHOTOGRAPHS
Clyde R. Landis and William L. Culpepper, Chicago, Ill., assignors to Don B. McCloud, Du Quoin, Ill.
Continuation of application Serial No. 403,269, July 21, 1941. This application August 27, 1943, Serial No. 500,260
15 Claims. (Cl. 250—65)



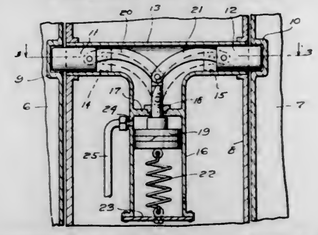
1. A method of marking transparent coordinate lines on double-coated films consisting in interposing the image area of the film between two intensifying screens adapted to give off light when impacted by X-rays through a body to be pictured and marking on the surface of only one screen disposed toward the film, intersecting vertical and horizontal lines of a medium permeable to X-rays but impermeable to light rays produced by the screen after being impacted by the X-rays while leaving the light rays against the opposite side of the film from the opposite screen unobstructed.

2,344,825
RADIO TUNING MECHANISM
William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois
Application February 12, 1941, Serial No. 378,490
8 Claims. (Cl. 116—124.1)



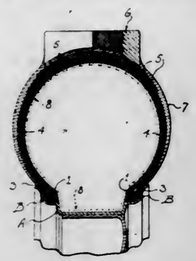
1. In a multiple band radio set: a tuning indicator comprising a dial sheet having a plurality of frequency scales corresponding to the frequency bands of operation of the set; a tuning control coupled to said dial sheet and connectable to the radio set for tuning the radio circuits thereof and correspondingly motivating the dial sheet; a curtain arranged in front of said dial sheet having one opening to expose a substantial portion of any one of the scales; a band selection device comprising a multiple position switch electrically connectable with the radio set for controlling the band of operation thereof in accordance with the position selected; and means mechanically connecting said device with said curtain for shifting said opening of the curtain to a position opposite the scale on said dial sheet corresponding to the selected band of radio operation and shielding the other scales from view.

2,344,826
SAFETY VEHICLE DOOR LOCK
Stanley G. Le Gresley, Flint, Mich.
Application February 25, 1942, Serial No. 432,330
2 Claims. (Cl. 292—33)



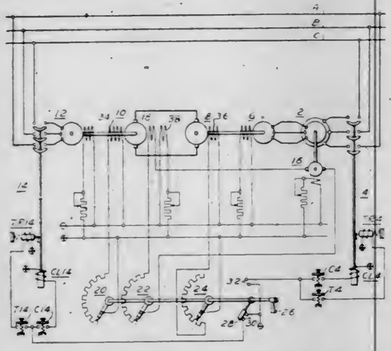
1. A vehicle door lock comprising a T-shaped housing positioned in a door post of the vehicle, said housing including a vertical cylinder and a horizontal cylinder communicating with each other, a partition in the vertical cylinder, a piston having a working fit in the vertical cylinder below the partition, a stem connected to the piston and projecting through the partition, a suction pipe connected to the vertical cylinder below the partition to raise the piston, spring means for lowering the piston, bolts slidably mounted in the ends of the horizontal cylinder, and links connecting the bolts to the piston stem, said bolts being projected from the ends of the horizontal cylinder upon an upward movement of the piston.

2,344,827
PNEUMATIC TIRE
Orville Liermann, Manitowoc, Wis.
Application June 11, 1942, Serial No. 446,552
1 Claim. (Cl. 152—330)



In a tire casing comprising metallic bead hoops, a canvas strip wound about said hoops to form a tubular base of multiple layers and cleat blocks adhesively secured to the casing tread; the combination of a pliable skin coating enveloping the side walls of said casing composed of one part asbestos, seven parts asphalt, and one part non-oxidizing agent, whereby said casing side walls are protected and indefinitely retain their resiliency.

2,344,828
CONTROL SYSTEM
Robert R. Longwell and Tracy C. Wetherby, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1942, Serial No. 463,614
17 Claims. (Cl. 172—274)



17. In a control system for an induction motor having primary and secondary reacting windings, means for energizing one of the windings from a source of alternating-current power, an alternating-current machine connected to the other winding, a first dynamo-electric machine connected in driving relation with the alternating-current machine, a second dynamo-electric machine electrically connected to the first dynamo-electric machine, means responsive to the speed of the induction motor for varying the excitation of one of the dynamo-electric machines, means for varying the excitation of the first dynamo-electric machine, means for varying the excitation of the second dynamo-electric machine, means for varying the calibration of the speed responsive means, and a movable control means for actuating the excitation varying means for one of the dynamo-electric machines during a portion of its travel, the excitation varying means for the other of the dynamo-electric machines during the remainder of its travel, and the calibration varying means during its entire travel.

2,344,829
TARGET CARRIER
Frank E. McAvoy, Teaneck, N. J., assignor to General Bronze Corporation, Long Island City, N. Y.
Application August 2, 1940, Serial No. 349,705
4 Claims. (Cl. 104—150)



1. In conveying apparatus operable to move a target carrier to a selected one of a plurality of positions from a firing station, a motor, a conveyor adapted to be actuated by said motor to move said carrier to each of said positions, a switch adapted to close circuit means for initiating the operation of said motor, circuit means for maintaining said motor in operation after operation of said switch, a plurality of mechanical stop means one of which is located at each of said positions, means for selectively moving at least one of said stop means so that one of them is in the path of movement of said carrier to interrupt movement of said conveyor when said carrier reaches said stop means, mechanism operable to stop said motor by breaking the motor actuating circuit, said mechanism including an element responsive to interruptions in the movement of said conveyor by said stop means, and switch and motor circuit means capable of restarting the motor and returning said carrier to the firing station, said motor, switches and circuit means being located adjacent the firing station.

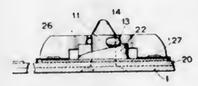
2,344,830
COMPOSITION OF MATTER FOR THE CHEMICAL FIXATION OF DISEASED TISSUE PREPARATORY FOR SURGICAL REMOVAL
Frederic E. Mohs, Madison, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application August 15, 1940, Serial No. 352,811
1 Claim. (Cl. 167—63)

A composition of matter for use in fixing predetermined depths of diseased tissue preparatory to removal of said tissue by excision, comprising in proportion stibnite, approximately 40.0 gm., *Sanguinaria canadensis* 10.0 gm., zinc chloride, saturated solution (4:1), 34.5 cc., the said mixture being in the form of a plastic mass of paste consistency capable of being applied to the tissue as a layer of given thickness.

2,344,831
TERPENE DERIVATIVE
Emil Ott, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 22, 1941, Serial No. 407,949
12 Claims. (Cl. 260—429)

1. A polyvalent metal salt of the condensation product of a material selected from the group consisting of the monomers and dimers of acyclic terpenes having three double bonds per molecule and a material selected from the group consisting of the α-, β-unsaturated organic acids and acid anhydrides, which material contains less than 7 carbon atoms per molecule.

2,344,832
COWL FASTENER
Swan Norman Rosengren, Seattle, Wash.
Application July 22, 1942, Serial No. 451,839
4 Claims. (Cl. 24—221)



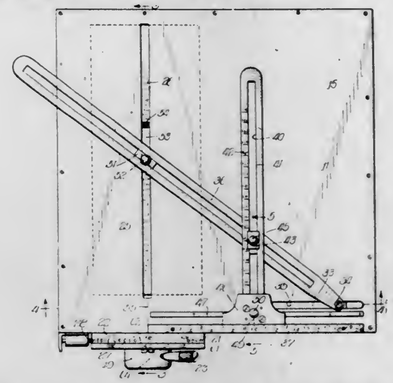
3. A fastener for securing together two sheets or the like in face-to-face relationship, comprising a pin member having a plurality of lugs projecting laterally therefrom, a socket member adapted to receive said pin member therein, and having helical ledges, one engageable by each lug upon relative rotation of said pin and socket members in one direction, to produce a positive wedging action tending to draw said pin member into said socket member, and a generally arcuate sinuous spring band carried by said socket member and having a plurality of troughs engageable one at a time with the end of a lug to restrain relative retrograde rotation of said pin and socket members, but yieldable outwardly laterally of said pin member to release the lug end for movement thereof from one band trough to the next past the intervening band crest.

2,344,833
TERPENE DERIVATIVE
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1941, Serial No. 396,221
15 Claims. (Cl. 260—460)

1. A sulfonation product comprising a mixture of a sulfonate and a sulfate obtained by reacting a polymer of an acyclic terpene having three double bonds per molecule, with a sulfonating agent, at a temperature of from about 0° C. to about 100° C. for a period of time of from about 1 hour to about 8 hours.

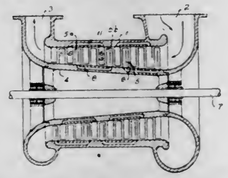
2,344,834
CALCULATING INSTRUMENT
Benjamin L. Sites, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 5, 1940, Serial No. 343,978
18 Claims. (Cl. 235—61)

1. In a calculating-instrument having supporting-means for the component parts of the instrument hereinafter set forth, a plurality of series of indicia, a rock-arm cooperating with said indicia, a fulcrum for said rock-arm adjustable in a definite path in the plane of movement of said rock-arm around said fulcrum, and means including graduations to indicate individually the various positions of adjustment of said fulcrum, the novel combination of, means to denote the particular one of said indicia-series which corresponds to each adjusted position of said fulcrum, an element disposed at an angle to the direction of adjustment of said fulcrum and adjustable in said direction and independently of the adjustment of said fulcrum, means to indicate each adjusted position of said element including graduations, and means, including additional graduations, dependent upon the



relation of said rock-arm to said element to define the single one of said additional graduations corresponding to each adjusted position of said rock-arm, said rock-arm identifying that single index of the denoted one of said indicia series corresponding to each of its adjusted positions.

2,344,835
PUMP
Edward A. Stalker, Bay City, Mich.
Application August 7, 1943, Serial No. 497,762
14 Claims. (Cl. 230—122)

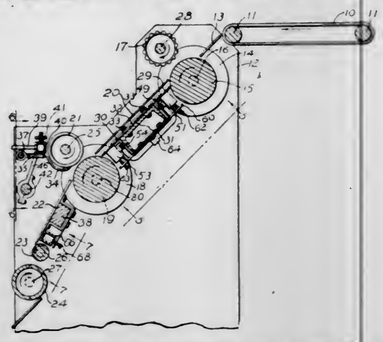


1. In combination in a fluid machine, a casing, a plurality of hollow blades of which some are supported for rotation in the casing, said blades upon rotation developing a fluid flow relative thereto, said flow possessing regions of different pressures at different blades, and means defining a closed duct communicating between the interiors of at least two blades situated in regions of different fluid pressure, one of said blades having an induction slot and the other a discharge slot in its exterior wall in communication with its hollow interior so that a common slot flow is induced by the pressure difference to control the flow about the two blades.

2,344,836
BREAD MOLDING MACHINE
Merlin A. Sticelber, Kansas City, Mo.
Application February 9, 1942, Serial No. 429,968
6 Claims. (Cl. 107—9)

1. In a dough shaping machine, a roller, a scraper engaging said roller and means for cooling said roller and said scraper, comprising means for conducting a cooling medium into heat transfer relation to said roller and scraper, including a conduit extending in contact with said

scraper substantially parallel to the axis of said roller in such close adjacency to the dough con-



tacting face of said roller that frost built up thereon will contact the dough contacting face of said roller.

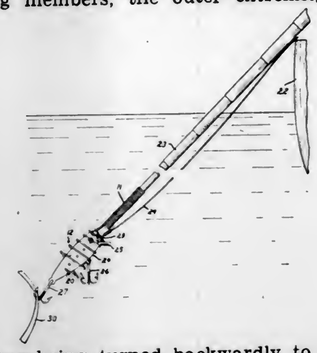
2,344,837
INSIDE CALIPER
Roy Lloyd Tarket, Wilmington, Calif.
Application May 24, 1943, Serial No. 488,225
1 Claim. (Cl. 33—156)



An inside caliper comprising a barrel, a rod mounted for longitudinal adjustment in the barrel, contact fingers pivotally mounted on one end of the rod, coacting means on the barrel and the fingers for opening and closing the latter upon adjustment of the rod in the barrel, a bushing mounted in the barrel at an intermediate point, the rod extending slidably through said bushing, a collar fixed on the rod in spaced relation to the bushing, a coil spring in the barrel engaged with the bushing and the collar for yieldingly urging the rod in a direction to open the contact fingers, and an adjustment knob threadedly mounted on the other end portion of the rod, said adjusting knob including a reduced portion operable in the barrel and further including a shoulder for abutting engagement with the adjacent end of the barrel.

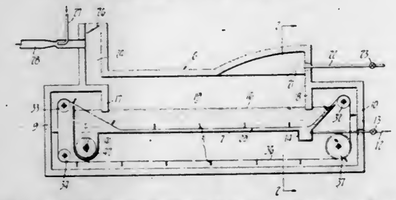
2,344,838
FISHING BAIT RETRIEVER
Wilton Van Sickle, Lincoln, Nebr.
Application December 29, 1941, Serial No. 424,777
5 Claims. (Cl. 43—30)

1. In a device for retrieving fish plugs of the type having projecting members, such as hooks, secured thereto, a helically wound member having its turns spaced a sufficient distance apart to permit the passage therebetween of the projecting members, the outer extremity of said



member being turned backwardly to provide a book portion, and means for securing said helically wound member to an operating member therefor.

2,344,839
EVAPORATOR
Alfred N. Warburton, Jr., Oakland, Calif., assignor of one-half to Henry Kirchmann, Jr., San Francisco, Calif.
Application September 3, 1940, Serial No. 355,131
1 Claim. (Cl. 159—16)

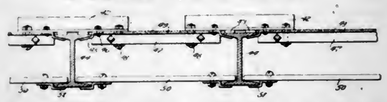


An evaporator comprising means enclosing a chamber, means for producing an exposed flame in the upper portion of said chamber, a container within and spaced from the ends of said chamber, means for supplying said container with a liquid, means including walls depending from said enclosing means into said liquid for segregating the upper portion of said chamber from the remainder thereof, a depression in one end of said container, means including a conveyor passing over the ends of said container for advancing material toward one end of said container and depositing said advanced material in said depression, and means for removing said deposited material from said depression.

2,344,840
EXPLOSIVE COMPOSITION AND METHOD OF PRODUCING SAME
Sterling B. Watt and Norman W. Adolph, Grafton, Ill., assignors to Illinois Powder Manufacturing Company, St. Louis, Mo., a corporation of Illinois
No Drawing. Application June 14, 1940, Serial No. 340,598
4 Claims. (Cl. 52—6)

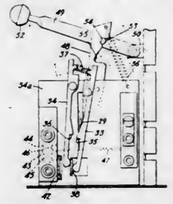
1. An explosive composition containing from 60% to 89% ammonium nitrate grains coated with a gelatinized explosive nitric ester, containing .05% nitrocotton to which particles of aluminum adhere, distributed throughout a matrix of sodium nitrate, aluminum particles and inert material, the aluminum particles being from 1% to 2%.

2,344,841
CONCRETE FORM
Charles G. Weber, St. Louis, Mo.
Application May 5, 1941, Serial No. 391,854
3 Claims. (Cl. 25—131.5)



1. A concrete form for making a viaduct or the like that includes a series of laterally spaced metal I-beams extending longitudinally of the viaduct or the like and having their chords along their upper and lower sides; said form comprising brackets extending across each of said beams, angular clamps interlocking said respective brackets with both of the upper chords of said respective beams and holding said respective brackets from displacement laterally in either direction across said beams, cross members supported by said brackets and extending transversely across the space between adjacent beams and walls supported upon said cross members for sustaining concrete extending monolithically across the viaduct in engagement with the upper chords of said beams and embedding said brackets.

2,344,842
TOASTER
Walter R. Weeks, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application December 12, 1941, Serial No. 422,612
3 Claims. (Cl. 99—329)

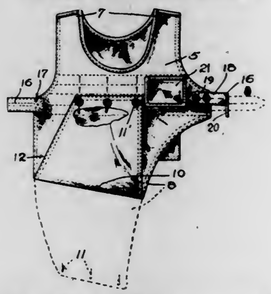


1. A toaster comprising a toasting chamber, means for heating said chamber, a slice-holder in said chamber movable between a toasting and a non-toasting position, means biasing said holder to its non-toasting position, means for holding said holder in its toasting position, timing means for controlling said heating means to terminate the toasting interval, means actuated by said timing means for releasing said holder at the end of the toasting interval to permit said holder to be moved by said biasing means to the non-toasting position to eject the toast, a stop member, means pivotally mounting said stop member for movement from a first to a second controlling position, means biasing said stop member to said second position, a member operably associated with said slice holder arranged to be engaged by said stop member when it is in said second position to limit the movement of said slice holder to said non-toasting position after the operation of said timing means to terminate the toasting interval and to release said holder so that said toast is maintained in said toasting compartment and kept warm by the residual heat in said compartment, said pivotally mounted stop member having a pair of spaced apart cam-like recesses therein, and a manually operable member provided with a section that is adapted to be received in either one of said spaced recesses so that when said lever is in such a position that said section is received in the first of said recesses it holds said stop member in said first position against the force of said biasing means and when said lever is moved so that said section is received in the second of said recesses it permits said stop member to be moved to said second position by said spring.

2,344,843
OXIDATION OF SYNTHETIC LATEX
Victor E. Wellman, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 12, 1940, Serial No. 323,575
15 Claims. (Cl. 260—32)

1. The method of improving the properties of an elastic rubbery copolymer contained in a latex prepared by the polymerization in aqueous emulsion of a mixture including a conjugated butadiene hydrocarbon and a minor proportion of an unsaturated organic compound copolymerizable therewith in aqueous emulsion to form an elastic rubbery copolymer, which comprises subjecting said latex, while in the freshly prepared and unstabilized condition, to the action of an oxygen supplying agent for a time sufficient materially to increase the plasticity of the copolymer contained in said latex and thereafter stabilizing said latex by the addition of an antioxidant.

2,344,844
SLING
Agnes Ross Baldeschwieler, Asbury Park, N. J.
Application September 17, 1942, Serial No. 458,708
2 Claims. (Cl. 128—94)

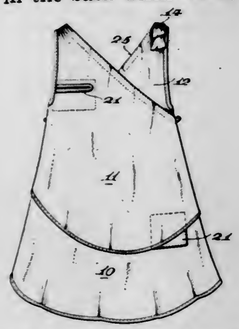


1. A sling having a panel provided with a head opening to enable suspension from the shoulders in reverse positions, said panel having a sling flap extending from its lower extremity foldable against either face of the panel, said flap being eccentric with respect to the longitudinal median line of the panel and being narrower at its separable end than at its fold line, whereby the flap when positioned against one face of the panel will more advantageously support the adjacent arm and whereby the flap when the panel is reversed and the flap positioned against the other face thereof will more advantageously support the other arm.

2,344,845
APRON
Agnes Ross Baldeschwieler, Asbury Park, N. J.
Application April 22, 1943, Serial No. 484,047
6 Claims. (Cl. 2—48)

1. An apron of the character described comprising two complementary sections adapted to be superimposed when in use, each of said sections having an armhole, each section having a

diagonally disposed top edge adapted to cross each other in the back when worn, and ribbons



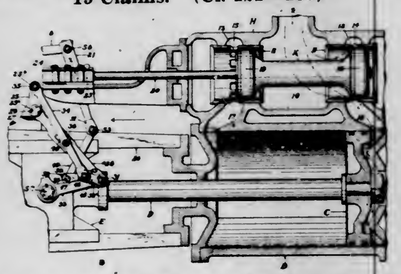
running along the top edge of each section terminating beyond the apex of the section which are adapted to be tied near the back.

2,344,846
PLIABLE REINFORCED ORNAMENT
Bernhard Berg, New York, N. Y.
Application October 9, 1942, Serial No. 461,484
3 Claims. (Cl. 41—13)



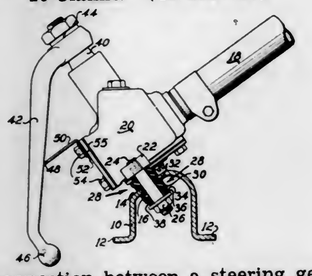
1. A pliable reinforced ornament, comprising an ornamentally shaped felt sheet piece having a rib portion bent from the material thereof, a pliable wire extending along one side of the exterior surface of said rib portion, and a casing of stitches encasing said rib portion and said wire.

2,344,847
ENGINE VALVE MECHANISM
Clyde F. Berry, Manchester, N. H.
Application October 28, 1942, Serial No. 463,719
15 Claims. (Cl. 121—163)



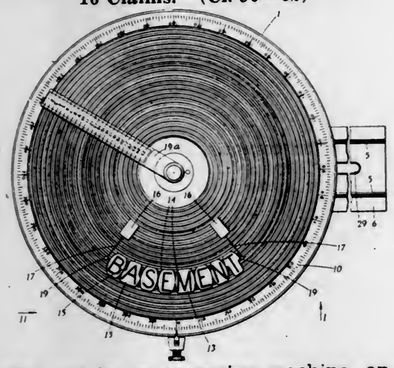
1. In an engine valve mechanism, the combination of a valve operating lever actuated from a driving piston cross-head, an arm pivoted on said cross-head, a crank pivotally coupled to said cross-head arm, an operative connection between said crank and said valve operating lever, and a link pivotally suspended from a fixed center relative to said cross-head and operatively connected to said crank for modifying the movements transmitted from the cross-head through said crank to the valve operating lever at each end of the valve stroke.

2,344,848
STEERING GEAR
Wallace S. Berry, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application April 11, 1941, Serial No. 387,997
10 Claims. (Cl. 280—87)



1. A connection between a steering gear case and a portion of an automobile body comprising a bolt extending between said body and said case, bushings positioned around said bolt and on each side of said body portion, said bushings having inner and outer cylindrical members spaced from each other by deformable material, and means locating said bushings relative to said body portion.

2,344,849
COPYHOLDING APPLIANCE AND COPIES FOR USE IN ENGRAVING MACHINES
Walter Raymond Butler-Jones, Sydenham, London, England, assignor to Butler Jones (Nameplates) Limited, Lower Sydenham, London, England, a company of Great Britain
Application January 31, 1941, Serial No. 376,922
In Great Britain January 31, 1940
16 Claims. (Cl. 90—62)

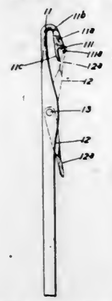


1. For use in an engraving machine, an assembly comprising a copy holder formed with a plurality of concentric arcuate grooves of different radii and each of the same width and a plurality of copy pieces each formed with a pair of pins of such a width as to be a neat sliding fit in each said groove whereby the piece may engage in any one of said grooves securely to locate the piece on said copy holder.

2,344,850
LATCH NEEDLE
Alfred Reymes Cole, Mountsorrel, England
Application November 18, 1942, Serial No. 466,039
In Great Britain September 24, 1941
4 Claims. (Cl. 66—121)

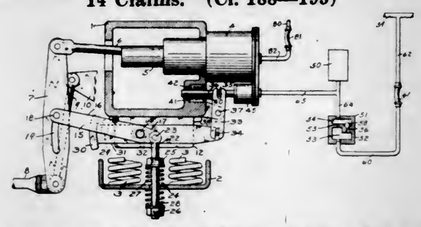
1. A latch needle for knitting machines and the like, comprising a body provided with a hook

having a pair of spaced prongs at its tip, one of which is longer than the other; and a latch



carried by said body arranged to cover both of said prongs when in its closed position.

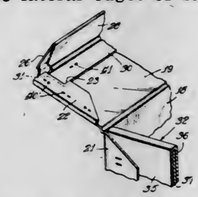
2,344,851
VARIABLE LOAD BRAKE
Earle S. Cook, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 30, 1942, Serial No. 460,267
14 Claims. (Cl. 188—195)



1. In a variable load brake rigging for a vehicle of the type having a fixed part and a part movable vertically relative to the fixed part in response to variations in the weight imposed thereon, in combination, a brake lever operatively connected at one end to a brake member to be operated, a brake cylinder connected to the other end of said lever and operative upon the supply of fluid under pressure thereto to actuate the lever and thereby the member to effect an application of the brakes, a slotted opening in said lever extending longitudinally of the lever intermediate its ends, a fulcrum for said lever disposed in said slotted opening, means movable in response to relative movement between the fixed and the movable parts of the vehicle for shifting said fulcrum along the brake lever, fluid pressure responsive means operative upon the supply of fluid under pressure thereto to lock said means in any position to which it has been moved and operative upon the release of fluid under pressure therefrom to unlock said means, and means for restricting the release flow of fluid under pressure from said pressure responsive means.

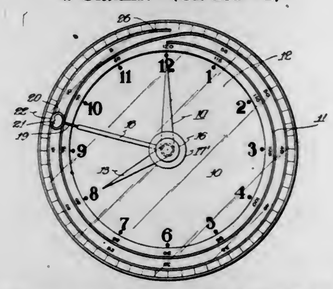
2,344,852
CONTAINER
Julian D'Esposito, Wilmette, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application July 16, 1942, Serial No. 451,155
6 Claims. (Cl. 229—44)

1. In a container formed from paperboard or the like including bottom, side and end walls, cover panels extending from the top edges of said side walls, each of said cover panels being adapted to extend toward each other substantially half-way across the top of said container and a downwardly extending flange along the free edge of each cover panel having a triangular cross-section comprising two integral angularly disposed panels and a flange-securing flap secured to said cover panel, the improvement which comprises reinforcing flanges hingedly joined to the lateral edges of said cover panels



and folded and secured to underlie said cover panels and to strengthen said lateral edges, said reinforcing flanges having notches therein adapted to receive the extremities of said flange-securing flaps so arranged that said notches and extremities are in cooperating relationship only when said angularly disposed panels are in the desired positions, whereby proper construction of said downwardly extending flanges is facilitated.

2,344,853
COOKING TIMER
Jerome De Haes, Chicago, Ill., assignor of one-half to Albert S. Malecki, Chicago, Ill.
Original application July 16, 1938, Serial No. 219,550, now Patent No. 2,230,135, dated January 28, 1941. Divided and this application December 26, 1940, Serial No. 371,657
2 Claims. (Cl. 161—1)

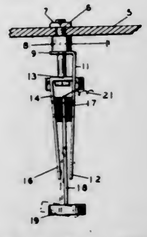


1. A timer comprising a clock having a face, a transparent cover for said face, and a cooperating time shaft; a setting extension on said time shaft extending through said cover; a timer control arm mounted on said shaft and having frictional engagement therewith; and a setting member arranged co-axially with said extension and connected with said control arm and extending through said cover and whereby both the time shaft and control arm may be set from in front of said cover.

2,344,854
AUTOMOBILE SIGNAL
James Robert Dempsey, San Francisco, Calif.
Application March 9, 1942, Serial No. 433,905
1 Claim. (Cl. 200—52)

A switch mechanism capable of use in a signaling device and comprising a horizontal positioned stud, an arm pivotally mounted on said stud and having its free end spaced from said stud and parallel to the axis of said stud, a second arm pivotally mounted on said stud and

having its free end spaced adjacent said first mentioned arm, insulating means secured between said arms at a point adjacent the pivotal mounting of said arms, a reed carried by said insulation and having its free end extending between and beyond the free end of said arms, a weight carried by the free end of said reed, said reed and said arms being electrically connected



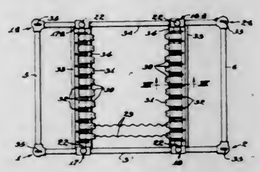
to the opposite sides of a source of electric energy, whereby when said reed and one of said arms engage, electrical current will flow therebetween, a downwardly extending pendulum connected to said arms, and means for adjustably locking said pendulum in fixed position with relation to said arms to normally space said reed from said arms when said device is static.

2,344,855

RACK FOR DIP COATING SHEETLIKE MATERIAL

Morton I. Dorfan, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application June 2, 1943, Serial No. 489,349
8 Claims. (Cl. 91—60)



7. A rack for dipping sheet-like material into a coating bath, comprising vertical corner posts and horizontal side and end stays connected to the upper and lower end portions of the posts to form a rectangular frame, a foraminous sheet-supporting floor at the bottom of the frame, a pair of vertical bars borne by the top and bottom of each of the opposite sides of the frame, horizontal cross bars borne by said vertical bars and extending from one to the other side of the frame to engage the vertical edges of spaced sheets, at least one of said cross bars having rotatably mounted thereon a plurality of laterally spaced fingers independently rotatable thereon, each of said fingers being provided at its outer edge with a notch for engaging the edge of a sheet to hold it vertically, and stops for maintaining said fingers in alternate positions.

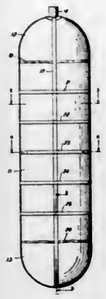
2,344,856

MEANS FOR REINFORCING HOLLOW CONTAINERS FOR GASES UNDER PRESSURE

Guyon L. C. Earle, Forest Hills, N. Y.

Application July 2, 1942, Serial No. 449,384
9 Claims. (Cl. 220—3)

1. In combination, a hollow metal receptacle having an indentation in the outside surface thereof, a metallic band fastened to the outside of said receptacle in such a manner that it passes over said indentation, said band being indented throughout its width in the portion thereof over said indentation, and a second metallic band fastened to the outside of said receptacle in such



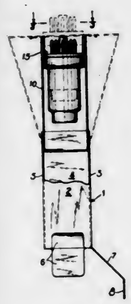
a manner that it crosses the indented portion of said first-mentioned band, the dimension of said indentation longitudinally of said first band being substantially equal to the transverse dimension of the second band, and the surface of the receptacle surrounding the indentation being relatively smooth.

2,344,857

TUBE CARTON

Charles I. Elliott, Sea Girt, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1942, Serial No. 441,070
5 Claims. (Cl. 206—46)



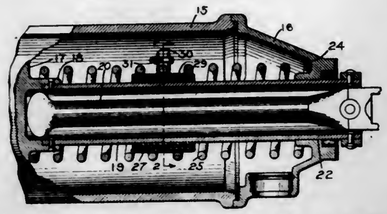
1. A carton for a radio tube having a cylindrical bulb with a flange at one end, comprising a four-panel rectangular sleeve, a slide for receiving and holding said tube in said sleeve, said slide comprising a single strip of paper board equal in width to the sleeve panel width, said strip being scored and bent to extend transversely across both ends and along opposite sides of the sleeve, with reverse folds at one end of the side portions of the strip to position the adjacent end portion of the strip inwardly from the ends of the strip, said adjacent end portion having a hole to receive the bulb portion of the tube, and the reverse folds having notches to engage the flange of the tube.

2,344,858

BRAKE CYLINDER DEVICE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 28, 1942, Serial No. 436,595
5 Claims. (Cl. 267—1)



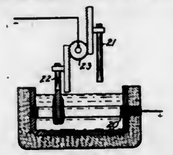
1. In a brake cylinder assembly including a helical release spring and a piston rod member operably mounted within said spring, the combination therewith of means for preventing excessive lateral displacement of said helical spring comprising a relatively short collar element made of non-metallic composition material and disposed intermediate said piston rod member and said spring, a clamping member having a base portion secured to said collar element and an outer portion engageable with said spring, and adjustable means carried by said outer portion for locking said clamping means and said collar element in place.

2,344,859

METHOD OF PRODUCING CALCIUM BORIDE

Abraham L. Fox, Boulder City, Nev.

Application February 7, 1941, Serial No. 377,765
6 Claims. (Cl. 204—61)



6. The method of producing calcium boride which comprises passing a current between two electrodes in a molten bath consisting essentially of lime, boric oxide and calcium chloride in the ratio of one, 0.5 to 1.5, and ten, respectively, and then removing the cathode from the bath and scraping the cathode product from said cathode before it has cooled sufficiently to harden.

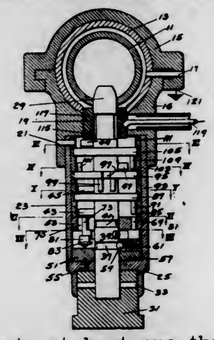
2,344,860

PERMUTATION LOCK

Sampson D. Foster, Cordova, Tenn., assignor of one-third to Clarence A. Carson, one-sixth to Frank R. Wright, and one-sixth to Guy I. Frazier, all of Memphis, Tenn.

Application June 9, 1943, Serial No. 490,145
3 Claims. (Cl. 70—309)

1. A permutation lock including a barrel, heads closing the inner and outer ends of said barrel, a bolt rotatably journalled in said heads and slidably shiftable from locked to unlocked position and vice versa, said bolt extending beyond said outer head, a knob on the extending end of said bolt for turning and shifting said bolt, a plurality of annular tumbler discs disposed in said barrel and each having a slot therethrough, sleeves arranged in said barrel journalling said discs for free turning movement and spacing said discs relatively to each other and said head, said bolt having lugs for engaging and turning said discs selectively to position said slots, and adapted to pass through said positioned slots in unlocking movement of said bolt, including a lug for accomplishing turning movement only of said discs, and an additional unblocking lug; and means, cooperating with said turning lug to prevent unlocking movement of said bolt, said means including a base member supported by said outer head, a cap member supported by said base member in spaced relation thereto, and adapted to overlie said unblocking lug when said bolt is in locked position, said cap member having a first slot adapted to permit unlocking movement of said turning lug and a lateral slot leading therefrom, said members being apertured for said bolt, an arm disposed between said members and pivotally hinged



at one end to at least one thereof, resilient means urging said arm toward said bolt, said arm having at its opposite end and in said slot a stop extending substantially flush with the inner face of said cap and shiftable into said lateral slot, and a cam portion engageable momentarily by turning movement of said unblocking lug, an ear disposed below said first slot, and of size to underlie an adjacent portion of said lateral slot, resilient means urging said ear into said slots in latching relation to said arm when said arm is laterally shifted by said unblocking lug, said ear being depressible by unlocking shift of said turning lug into said first slot, said unblocking lug being of length to engage said cam only of said arm and shift said arm and stop clear of said ear by turning movement of said bolt and releasing said arm and stop against said turning lug in overlying relation to said ear on further turning movement of said bolt.

2,344,861

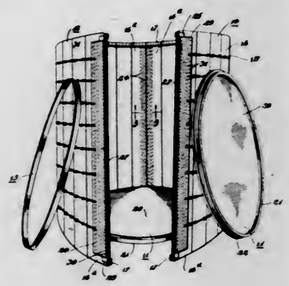
SLIDE-FASTENED CLOSURE CONSTRUCTION FOR RIGID CONTAINERS

Neil A. Fowler, River Forest, Ill., assignor to General Box Company, Chicago, Ill., a corporation of Delaware

Application October 9, 1940, Serial No. 360,433
8 Claims. (Cl. 217—72)

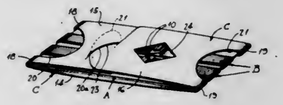
1. In a container, a pair of substantially abutting rigid members defining opposite edges of a closure and forming a fastener member receiving channel, a pair of complementary slide fastener stringers including flexible tapes having thereon rows of spaced interlocking fastener members engageable and disengageable for connecting and disconnecting said stringers, a flexible tape extension on each of said stringer tapes comprising a flexible strip of relatively strong material fixed thereto, and means securing to said rigid members portions of said flexible tape extensions

spaced from said rows of interlocking fastener members, said fastener member receiving channel underlying the connected rows of interlocking fastener members upon connection of said stringers to accommodate said fastener members while providing clearance for a slidable coupling device for connecting and disconnecting said stringers.



said means securing said flexible tape extensions to said rigid members comprising strips of relatively inflexible material secured over the outer edge portions of said extensions and nails extending through said last-named strips through said extensions and into said rigid members.

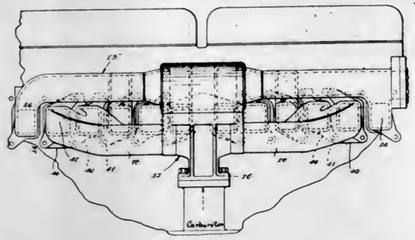
2,344,862
NARROW FABRIC PACKAGE
Albert Edward Funke, Pelham Manor, N. Y., assignor to John C. Welwood Corporation, New York, N. Y., a corporation of Delaware
Application June 20, 1940, Serial No. 341,403
1 Claim. (Cl. 206—51)



A narrow fabric display package comprising an elongated rectangular card having a narrow fabric wound thereon lengthwise of the long dimension of the card and a rectangular elongated strip of paper having about the same width and about twice the length of said card folded over said card lengthwise of said card, said strip having large circular openings almost extending the full width thereof having narrow bridges at the outside edges of the strip, said openings and bridges being so positioned so as to extend across the ends of the card.

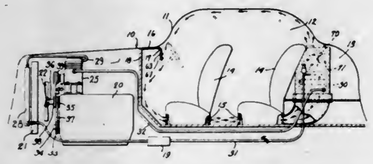
2,344,863
INTERNAL COMBUSTION ENGINE
Earl Ginn, North Muskegon, and Kenneth Cloud, Muskegon, Mich., assignors to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application April 9, 1942, Serial No. 438,245
10 Claims. (Cl. 123—52)

1. A fuel induction system for an internal combustion engine comprising a source of fuel supply a primary fuel conducting portion, a primary fuel distributing chamber, and secondary fuel conducting passages connecting the ends only of said chamber with the engine cylinders and including branch passages, said secondary passages having identically constructed top and bottom walls provided with identically constructed intermediate fuel flow controlling means comprising



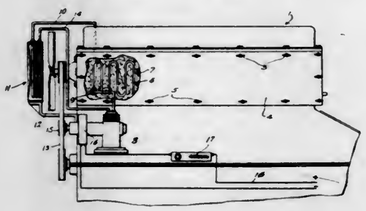
arcuate dams facing the fuel flow, whereby to permit reversing of same in assembly with the engine.

2,344,864
AIR CONDITIONED VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 14, 1941, Serial No. 378,880
2 Claims. (Cl. 62—117)



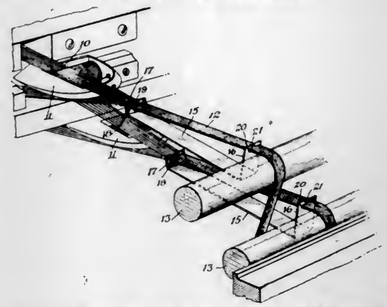
1. In a vehicle having a closed type body, a compressor - condenser - evaporator refrigerating system for cooling the air in the body, an engine for driving the vehicle, a driving connection from the engine to the compressor including a magnetic clutch, an engine ignition circuit having a battery and an ignition switch, a branch circuit leading from the ignition circuit beyond the ignition switch to the magnetic clutch, and a switch in the branch circuit operable in response to the temperature of air in the body, said temperature responsive switch being in series with the ignition switch.

2,344,865
INTERNAL COMBUSTION ENGINE
Reginald Francisco Harless, Ossining, N. Y.
Application April 24, 1943, Serial No. 484,422
2 Claims. (Cl. 123—170)



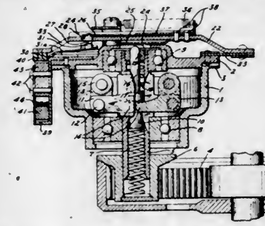
1. An internal combustion engine comprising a cylinder block including side walls having longitudinally elongated chambers therein, removable access plates closing the chambers, cooling coils mounted in the chambers, a metallic wool packed in the chambers around the coils, and means for circulating a refrigerant through the coils.

2,344,866
GAUGE
George H. Harries, Bally, Pa., assignor to Bally Ribbon Mills, Inc., Bally, Pa., a corporation of Pennsylvania
Application February 3, 1943, Serial No. 474,553
5 Claims. (Cl. 139—291)



2. A gauge for controlling the width of woven fabric comprising an elongated member having a pair of gauge slots therein adapted to engage said fabric as it is being woven to control the width thereof and to be supported by said fabric.

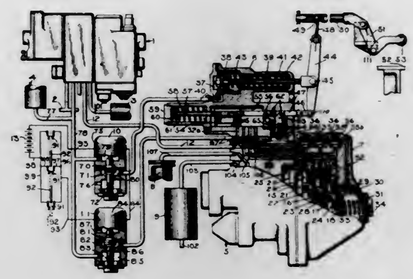
2,344,867
GOVERNOR
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application November 2, 1942, Serial No. 464,269
7 Claims. (Cl. 200—80)



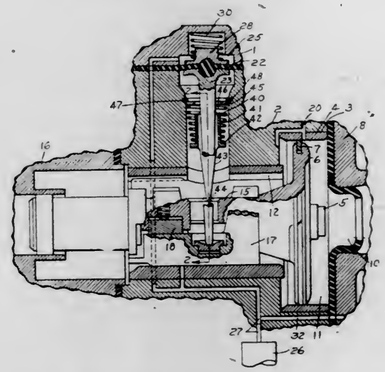
2. A governor switch having a speed differential of operation comprising a rotatable shaft, governor weights on said shaft, a plunger movable to different positions by said weights in accordance with the speed of said shaft, a movable switch arm, a resilient member on said arm engageable by said plunger to move said arm, spring means to bias said arm in the direction of said plunger, and magnetic means attracting said arm in the direction of said bias, the arrangement being such that movement of said plunger to a predetermined position will deflect said resilient member sufficiently to move said arm away from said magnetic means, said resilient member thereafter holding said arm away from said magnetic means until said plunger is retracted to a second predetermined position.

2,344,868
VARIABLE LOAD BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 31, 1942, Serial No. 429,034
27 Claims. (Cl. 303—22)

1. In a variable load brake equipment for vehicles, in combination, a brake cylinder, brake control means operatively responsive to the pressure of fluid supplied thereto for controlling the degree of pressure in said brake cylinder, valve means having a plurality of different control positions and effective, dependent upon its position, to condition the brake control means differently so as to establish different fluid pressures in the brake cylinder for the same pressure of fluid supplied to the brake control means, regulating means controlled according to the load on the vehicle for positioning said valve means in its appropriate control position, a door for the vehicle, and means operative upon the opening of said door for controlling the operation of said regulating means.

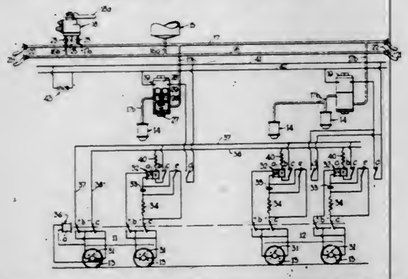


2,344,869
PISTON MECHANISM
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 30, 1943, Serial No. 485,193
8 Claims. (Cl. 303—1)



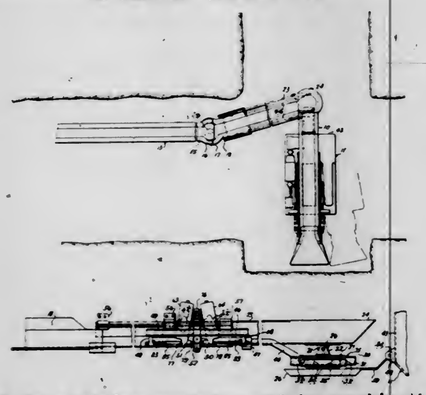
1. The combination with a casing having a piston bore, a piston head mounted to reciprocate in said bore, and a slide valve subject on its seating face to fluid under pressure, of a stem projecting from said head for moving said slide valve, a pin loosely extending through an aperture in said stem and engaging said slide valve, means acting on said pin for exerting a seating pressure on said slide valve, a member surrounding said pin and engaging said stem, and means acting on said member for exerting pressure on said stem to maintain the said piston head against the wall of said bore.

2,344,870
BRAKE CONTROL MEANS
Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 24, 1941, Serial No. 424,299
6 Claims. (Cl. 303—21)



1. In a vehicle wheel brake control system, the combination of control means effective to control application and release of the brakes associated with a wheel unit of the vehicle, means responsive only to the rotative deceleration of the wheel unit at a rate exceeding a certain rate for causing operation of said control means to initiate a reduction in the degree of application of the brakes associated with said wheel unit, and means responsive to the difference of the rotational speed of said wheel unit with respect to the rotational speed corresponding to the speed of the vehicle for causing said control means to effect a continued reduction in the degree of application of the brakes associated with said wheel unit until such time as the wheel unit rotates substantially at vehicle speed and then effective to cause said control means to terminate further reduction in the degree of application of the brakes and initiate reapplication of the brakes on said wheel unit.

2,344,871
SHAKER CONVEYER
John H. Holstein, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1942, Serial No. 432,786
18 Claims. (Cl. 198—14)



9. In a shaker conveyer and in combination with a shaker conveyer trough line, a reciprocating trough section on the forward end of the shaker conveyer trough line, a mobile loading device movable about the ground independently of said reciprocating trough section, and means connected with the forward end of said reciprocating trough section and connected with and arranged in cascade relation with respect to the discharge end of said loading device for transferring material from said loading device to said reciprocating trough section as said loading device is moving about the ground including a connecting trough section communicating with and connected to said reciprocating trough section for lateral movement with respect thereto, an extensible trough section mounted for telescopic movement with respect to said connecting trough section, a connection between said extensible trough section and said loading device for moving said trough section with said loading device, and means for reciprocably moving said extensible trough section with said connecting trough section to cause movement of material from said extensible to said connecting trough section and permitting said loading device to extensibly and retractibly move said extensible trough section with respect to said connecting trough section during reciprocation of the conveyer.

2,344,872
PREPARATION OF ETHYL MERCURY SALTS
Lee C. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 6, 1939, Serial No. 266,420
12 Claims. (Cl. 167—22)

1. In the process of preparing fungicides and seed disinfectants, the steps which comprise providing a solution of tetraethyl lead in a polar solvent in equipment containing iron exposed to the solution, employing at least 20% of the polar solvent based on the mercury, and then introducing a mercury salt into the solution with agitation.

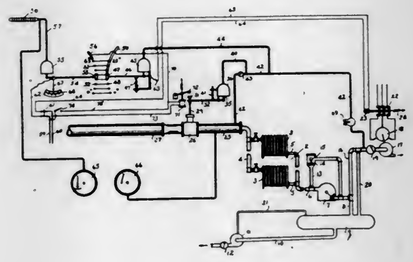
9. In the process of preparing fungicides and seed disinfectants, the step which comprises introducing a mercury salt into a mixture of tetraethyl lead and a polar solvent, there being from about 0.2 to about 1.5 parts of solvent to each part of tetraethyl lead and the mercury salt being sufficient to react with up to about 90% of the tetraethyl lead, and causing the reaction between the mercury salt and the tetraethyl lead to take place in the presence of about 0.2 to about 3 parts of a solid diluent to each part of the other ingredients of the reaction mixture.

2,344,873
GOLF BALL
Hiram N. Huse, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 16, 1941, Serial No. 407,134
5 Claims. (Cl. 273—62)



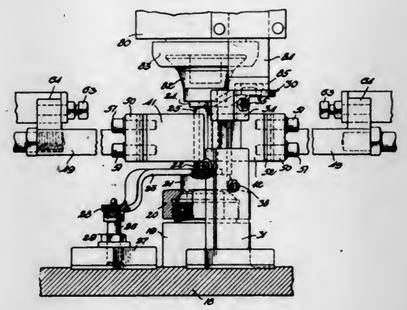
1. A golf ball having a ball body formed of successive convolutions of a single elastic tape the width of which greatly exceeds its thickness, and having this tape wound in a flat condition throughout a large portion of said body and in a twisted and folded condition of greatly reduced width and increased thickness at the periphery of the ball body, the change from the wide to the narrow condition of the tape being gradual throughout a number of convolutions.

2,344,874
STEAM HEATING SYSTEM
Bernard J. Ingram, Sewickley, Pa., assignor of one-fourth to Earl F. McConnell, Pittsburgh, one-fourth to James R. King, North Braddock, and one-fourth to Alexander Clydesdale, Jr., Mount Washington, Pa.
Application May 15, 1941, Serial No. 393,566
12 Claims. (Cl. 237—9)



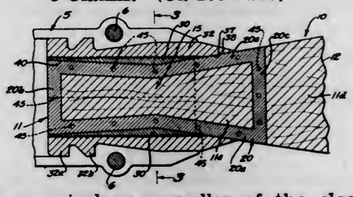
3. A heating apparatus comprising a steam supply line, a heat transfer system having an inlet side connected to the supply line and having an outlet side, a suction pump connected with the outlet side of the system, a check valve between the system and the pump opening toward the system and biased to remain open until a predetermined differential of pressure on opposite sides of the valve is created, a supply valve between the inlet pipe and the system, and means connected with the vacuum pump for controlling said supply valve according to the vacuum in the system.

2,344,875
MACHINE FOR WELDING
Edmond J. P. James, Akron, Ohio, assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application March 6, 1942, Serial No. 433,664. Divided and this application October 26, 1942, Serial No. 463,309
14 Claims. (Cl. 219—4)



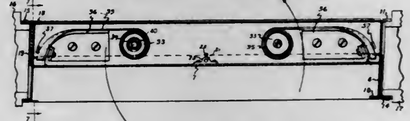
3. In a welding machine, a supporting structure having a head and a bed, an electrode fixed on said bed, a movable pressure operated electrode carried by the head, conductor members movable normal to the electrodes for clamping work therebetween in position for welding, and a carrier for said conductor members supported on said bed.

2,344,876
REINFORCED PROPELLER
Clarence B. Jamison, Beverly Hills, Calif., assignor of twenty per cent to Collins Mason, Beverly Hills, Calif.
Application April 6, 1942, Serial No. 437,740
5 Claims. (Cl. 170—173)



5. In an airplane propeller of the class described, a metal hub, a non-metallic blade having a shank composed of superposed laminae the centermost of which is comprised of a center strip and a metal reinforcing member extending transversely through the shank and longitudinally thereof along opposite side edges of the center strip with its outer side edges flush with the adjacent outer side surface of the shank, said shank tapering from its inner end to a reduced diameter medial portion, and a longitudinally split sleeve mounted in the hub surrounding and embracing the shank, said center strip being bonded at its opposite side faces to the adjacent laminae whereby to prevent longitudinal movement of the reinforcing member with respect to the shank.

2,344,877
WINDOW CONSTRUCTION
Kalousd Janigian, Brighton, Mich., assignor of forty per cent to Oscar Moradian, Detroit, Mich.
Application July 13, 1942, Serial No. 450,716
2 Claims. (Cl. 20—51)

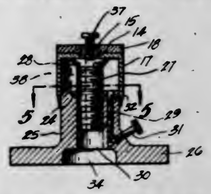


1. A window construction comprising a sash, a frame wherein said sash is vertically slidable, such frame comprising a hollow top member and sheet metal side members, the side members having channel-forming guide ribs for the sash, a spring housed within the top member of the frame for at least partially counterbalancing the sash, and a flexible tape transmitting the spring effort to the sash and extending downwardly through the upper portion of one of said ribs, such rib having an opening through which the tape extends for attachment to the sash, a roller adapted for rotation by said spring and whereon the tape winds, a guide shoe for said tape within said top member, and a guide pulley for the tape mounted on the shoe, the shoe providing a guide surface for the tape curved to change the direction of tape travel from travel substantially in a vertical plane to travel to one side of such plane, the tape extending downwardly into the rib from the pulley.

2,344,878
MICROMETER HEIGHT GAUGE
Albert W. Jarosz, Detroit, Mich.
Application January 23, 1943, Serial No. 473,412
2 Claims. (Cl. 33—164)

1. In a micrometer height gauge, comprising an upright calibrated barrel, a micrometer screw,

axially disposed within said barrel, and an externally calibrated thimble, rotating with said screw and skirting the outer surface of the barrel, in combination, a cylindrical hole in the rim of the barrel, running downwardly parallel to its axis, a longitudinal rod within said hole, having cone-shaped ends at the top and at the bottom respectively, an adjusting screw laterally threaded into the wall of the barrel, the end of said screw being in form of a cone and abutting the lower end of said rod, and a wedge in the wall of the barrel, close to its top, in a horizontal slot therein, said wedge being in abutment with the cone-shaped upper end of the rod, and radially movable by said upper end of the rod against the inner surface of the thimble into a frictionally binding contact therewith.

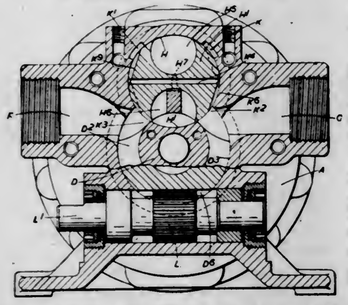


2,344,879

ROTARY FLUID PRESSURE MOTOR, PUMP, AND THE LIKE

Edward Harry Johnson, Coventry, England, assignor to The Keelavite Company Limited, Allesley, Coventry, England, a company of Great Britain

Application August 18, 1942, Serial No. 455,248
In Great Britain August 22, 1941
4 Claims. (Cl. 103—125)



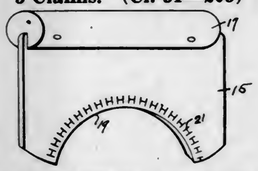
1. In a rotary engine of the kind referred to, the combination with a casing having an annular blade chamber provided within it and having inlet and outlet ports, an abutment making fluid-tight contact respectively with larger and smaller abutment recesses in the two circumferential walls of the blade chamber between the ports and having less than three pairs of diametrically opposite blade-receiving recesses so spaced and dimensioned that only one is ever in communication with the same part of the blade chamber at any time, each diametrically opposite recess of a pair of blade-receiving recesses being in continuous communication with one another through a passage in the abutment, of pressure balancing passages in the abutment extending between diametrically opposite parts of the circumferential surface of the abutment and said blade receiving recesses and pressure balancing passages being so spaced that either a blade-receiving recess or a pressure balancing passage is in communication with each part of the blade chamber at all times, two pressure recesses formed in the circumferential wall of the larger abutment recess and each lying diametrically opposite to and being of approximately the same area measured at the circumference of the abutment as the diametrically opposite area of the abutment which is exposed to the interior of the blade chamber, and a rotor having blades which extend across the blade chamber to make a sealing fit with the inner and outer circumferential walls thereof relatively to which it rotates about the axis of the blade chamber.

2,344,880

GROOVE DRESSING TOOL

Herbert H. Johnson, Amory, Miss., assignor of thirty-five per cent to John T. Crow, Amory, Miss.

Application July 22, 1943, Serial No. 495,681
3 Claims. (Cl. 51—205)



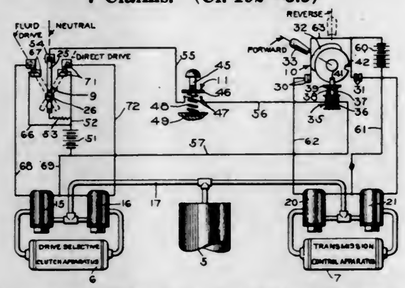
1. A tool for dressing a circular groove as of a piston; comprising a flat plate having a thickness loosely conforming to the width of said groove and a length at least equal to the diameter of said piston, said plate having a handle secured along one of its side edges and its opposite side edge cut away along a reentrant circular arc, of the same radius as the radius of the bottom of said groove, the depth of the cut away portion being a major portion of the radius of the groove, said plate being scored concentrically along said arc as to receive a grinding compound.

2,344,881

VEHICLE CLUTCH AND TRANSMISSION CONTROL

Samuel Jory, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 1, 1942, Serial No. 437,186
7 Claims. (Cl. 192—3.5)



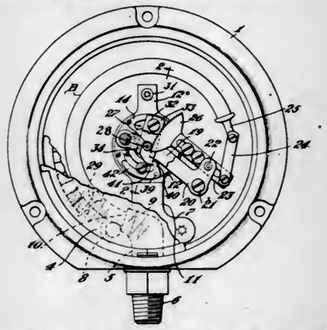
1. In a multiple drive clutch and transmission control system for a vehicle, in combination, a directional control transmission switch having forward and reverse positions, an electroresponsive locking device normally holding said transmission switch against movement and operative upon energization of a control circuit to release said transmission switch, a drive selective clutch switch having a plurality of vehicle operating positions and a neutral position, said switch being constructed and arranged to prevent energization of said control circuit in any position except said neutral position, and auxiliary interlock safety control means interposed in said control circuit for also controlling energization of said locking device.

2,344,882

GAUGE ADJUSTING MEANS

Samuel Kahn, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application September 11, 1942, Serial No. 457,922
15 Claims. (Cl. 73—109)



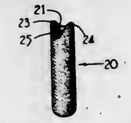
10. In combination in a dial instrument of the kind wherein an outer casing provided with a transparent panel houses a graduated dial, a motor device, a movement mechanism comprising an index staff and connections for transmitting motion from the motor device to said staff, an index on the staff cooperable with the dial, and a frame supporting the movement mechanism, the movement frame being arranged to turn about the axis of the index staff, spring means tending to turn the frame in one direction, a lever for turning it in the opposite direction, said lever comprising two arms one of which engages a part of the frame, a screw whose axis is substantially parallel to that of the index staff, said screw having threaded engagement with a fixed part of the instrument and having its forward end exposed in front of the dial, the screw being provided with a conical portion which engages the other arm of the lever.

2,344,883

LIPSTICK

Eleanor Kairalla, New York, N. Y.

Application July 2, 1941, Serial No. 400,812
1 Claim. (Cl. 132—88.7)



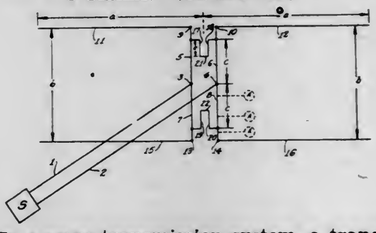
An elongated lipstick comprising a solid plastic mass of lip rouge or the like which is adapted to be applied by rubbing movement along the lips, said lipstick having two narrow-topped peaks projecting from the tip of said lipstick and parallel to the longitudinal axis thereof, said tips being disposed adjacent opposite sides of said lipstick and being connected by an arcuate groove running in a smooth curve from one of said peaks to a low point midway between said peaks and then to the other of said peaks, said groove being substantially as wide as said lipstick and being sufficiently large to accommodate a human lip when positioned normally thereto, said groove being symmetrical about the longitudinal axis of said lipstick and extending normally thereof, whereby when a user places said lipstick on a lip, with the lip in said groove and with one peak on the outside and with one peak on the inside of said lip, and rubs said lipstick along the lip, the limit of the lip rouge deposited upon the lip will be defined by said outside peak and said limit can be varied by rotating the lipstick about its longitudinal axis or about a horizontal axis normal to said longitudinal axis.

2,344,884

WAVE TRANSMISSION SYSTEM

Robert D. Kirkland, Port Washington, N. Y., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware

Application February 6, 1942, Serial No. 429,731
3 Claims. (Cl. 250—33)



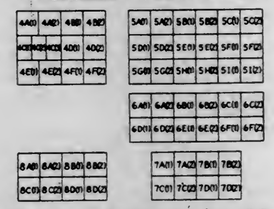
1. In a wave transmission system, a transmission line, a pair of branch lines in which they are created standing waves, joined to the end of said transmission line, each of said lines having the same surge impedance, and a corrective impedance connected across each of said branch lines at a place which causes the ratio of the maximum to the minimum standing wave current in each branch line to become substantially two-to-one, said corrective impedance comprising conductors lying in the same plane as and between the conductors of the branch line to which it is connected.

2,344,885

ELECTRICAL CALCULATING EQUIPMENT

Ladislas Kozma and Jakob Kruithof, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y.

Application November 9, 1939, Serial No. 303,504
In Great Britain October 21, 1938
14 Claims. (Cl. 235—61)



12. An electric calculating machine for performing addition or multiplication of two numbers, comprising accumulating means, manipulative means for transmitting electric signals representing successive digits of numbers to be added or multiplied and operation-sign signals, storage means controlled by signals from said manipulative means for storing digits of the first number, means for receiving operation-sign

signals representing addition, multiplication or equal, means responsive to the addition signal receiving means when an addition signal is entered therein following entry of a number in said storage device to cause transfer of the stored number to the accumulating means, a second storage means for storing digits of a second number, means effective upon entry of an addition signal into the operation-signal receiving means for placing the manipulative means in control of said second storage means, whereby the second number entered by the manipulative means is transmitted to the second storage device digit by digit, further transfer means effective upon transmission of an equal signal following entry into the second storage means for causing transfer of the number therein to the accumulating means, means responsive to the multiplication signal receiving means upon entry of a signal therein following entry of a number in the first storage means for preventing transfer of said number to the accumulating means and for preconditioning multiplication control means, and multiplying means controlled by the equal sign signal receiving means and said preconditioned multiplication control means, and effective upon entry of a number in the second storage device followed by entry of an equal sign signal, for causing multiplication of the factors stored in the two storage devices and entry of intermediate products of multiplication in the accumulating means.

14. An electrically controllable calculator for performing addition or subtraction between a first number and a second number, comprising means for successively entering signals representing successive digits of said first number, operation signs, and said second number, number storage means for storing digits of said first number, number storage means for storing digits of said second number, calculation sign responsive means for responding to an operation-sign signal representing addition or subtraction after the first number is entered in its storage means, accumulator means on which addition or subtraction is to take place, means for transmitting numbers from said storage devices to the accumulating means, means for in all cases controlling said transmitting means for transmitting the first number from said first storage device to said accumulator means as an addition following the entry of a plus or minus sign, and means for controlling said transmitting means for variably transmitting the second number to said accumulator means as an addition or subtraction, said last means being responsive to a further addition or subtraction sign following the second number and controlled by the calculation sign responsive means in accordance with the sign preceding the said second number.

2,344,886

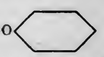
LUBRICANT COMPOSITION

Eugene Lieber, Staten Island. N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 2, 1941, Serial No. 372,889

6 Claims. (Cl. 252—51)

2. An improved motor oil comprising a hydrocarbon oil subject to deterioration in the presence of oxygen and a compound having the formula



where R is a hydrocarbon radical, said compound being present in an amount sufficient substantially to inhibit such deterioration.

2,344,887

TELESCOPIC RANGE FINDER

George Liebl, Fairlawn, N. J.

Application May 21, 1941, Serial No. 394,456

4 Claims. (Cl. 33—50)



1. In a telescopic range finder, in combination with a casing, two sight elements extending in different directions and situated within said casing at different distances from an observer, and adjusting means carried by said casing and connected with said sight elements for moving each sight element separately from the other sight element in a direction which is substantially perpendicular to that in which the other sight element is movable, said adjusting means comprising a separate bolt for each sight element, means firmly connecting the bolt with the sight element, means preventing the rotation of the bolt, a separate manually operable nut meshing with each bolt, and a cover carried by the casing and carrying said nuts upon an outer surface thereof, whereby said nuts may be turned manually by the user to move said sight elements.

4. In a telescopic range finder, a casing, two sight elements extending in different directions and situated within said casing at different distances from an observer, adjusting means carried by said casing and connected with each sight element for moving the sight elements separately in different directions, and an objective lens situated within said casing consisting of crown glass and flint glass elements, one of said elements carrying scales formed therein for said sight elements.

2,344,888

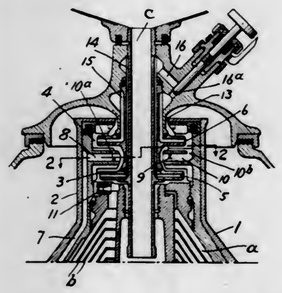
CENTRIFUGAL SEPARATOR

Hans Olof Lindgren, Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application September 23, 1941, Serial No. 411,966

In Sweden October 5, 1940

12 Claims. (Cl. 233—21)



1. In a centrifugal separator, the combination with a separating chamber having closed outlet passages for cream and skim milk, means to maintain a constant ratio between the volumes of the two constituents and means to discharge them against a substantially super-atmospheric pressure, of means to cause uniform back pressure on both constituents with that on the skim milk uniformly higher than that on the cream, and a regulable by-pass from the skim milk passage to the cream passage.

2,344,889

PROCESS OF ISOMERIZING PARAFFINS

Charles S. Lynch, Fanwood, and Jeffrey H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 22, 1940, Serial No. 366,708

11 Claims. (Cl. 260—683.5)

1. A process which comprises reacting at least one straight chain paraffin containing at least 4 carbon atoms per molecule under isomerizing reaction conditions in contact with a catalyst comprising essentially a member selected from the group consisting of halosulfonic acid and halosulfonic acid with boron trihalide, the reaction being carried out in the presence of free hydrogen.

2,344,890

ISOMERIZATION PROCESS

James M. Whiteley, Jr., Aruba, Dutch West Indies, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 22, 1940, Serial No. 366,711

11 Claims. (Cl. 260—683.5)

1. A process which comprises reacting at least one paraffin containing at least four carbon atoms per molecule under isomerization reaction conditions in contact with a catalyst comprising essentially a member of the group consisting of halosulfonic acids and halosulfonic acids promoted with boron trihalide.

2,344,891

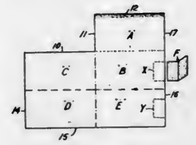
COMBINED ENVELOPE AND LETTER SHEET

Bernell Hampson McKinney, Lindfield, near Sydney, New South Wales, Australia

Application August 21, 1941, Serial No. 407,805

In Australia August 23, 1940

1 Claim. (Cl. 229—92.1)



A stationery unit combining a message sheet and envelope, said message sheet being rectangular in form and adapted for folding through its longitudinal and transverse center lines respectively, with its opposite longitudinal marginal edges flush with each other and with its transverse marginal edges flush with each other to facilitate said folding and to effect reduction of the sheet into four superposed panels of equal areas and corresponding rectangular contours with the marginal edges of said panels in flush relation to each other, said envelope comprising an integral extension of said sheet of equal dimensions and the same contour as each of said panels, said envelope extension being integrally connected to one of the outermost of said panels along a folding line coextensive therewith forming one common marginal edge of said envelope extension and said outermost panel, said outermost panel forming with said extension the complete envelope for enclosing the remainder of said panels therebetween, said last mentioned folding line defining the top edge of the envelope, a strip of latent adhesive for securing the opposite free edge of said envelope extension to a component panel of said message sheet when folded, said unit being perforated along said last mentioned folding line to facilitate opening the sealed envelope.

2,344,892

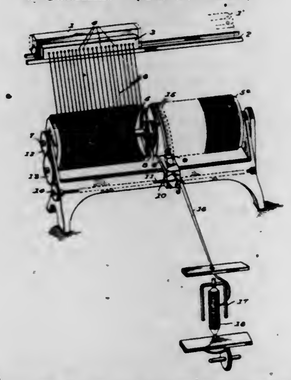
MANUFACTURE OF SPUN ARTIFICIAL FIBERS

Piero Modigliani and Valentino Wiquel, Leghorn, Italy, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware

Application April 26, 1938, Serial No. 204,444

In Italy May 3, 1937

8 Claims. (Cl. 57—157)



1. The method of producing strips of artificial fibers which comprises drawing artificial fibers, helically winding the fibers on the surface of a support to form a mat thereof, and progressively cutting a continuous spiral strip of predetermined width from said mat.

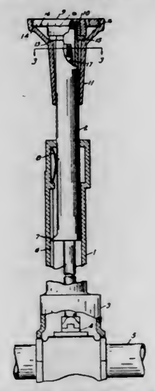
2,344,893

PROTECTIVE SLEEVE

Leland V. Montgomery, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application May 19, 1942, Serial No. 443,649

4 Claims. (Cl. 137—13)



1. A stop-cock box cover and protective sleeve therefor comprising a lower cylindrical member, a telescopic sleeve disposed in said lower cylindrical member having a threaded upper portion, a threaded cover threadably engaged to the up-

per end of said telescopic sleeve, and a protective sleeve having a cup-shaped upper portion and a comparatively long tapered depending apron, said cup-shaped upper portion having an internal shoulder for seating and nesting said cover on said telescopic sleeve.

2,344,894
RECEPTACLE COVER
Andrew Ottesen, New York, N. Y.
Application November 12, 1941, Serial No. 418,637
2 Claims. (Cl. 220—48)



1. In a receptacle cover, an inwardly directed channel having an outer wall continuing into a base wall which continues into an inner wall, and upwardly directed bead portion adjacent and continuing from the top of said inner wall, a score line in the bottom face of said bead portion, and means for securing a purchase for a prying tool at a point within said channel and opposed to said inner wall, whereby a prying tool may be purchased in said channel and engaged against said inner wall and fulcrumed to break said score line open, said means for securing a purchase for the prying tool comprising corrugations formed upon the outer wall of said channel.

2,344,895
BASIC CALCIUM ARSENATE
George W. Pearce and Alfred W. Avens, Geneva, N. Y.
No Drawing. Application June 18, 1940, Serial No. 341,179
2 Claims. (Cl. 23—53)

1. The method of preparing basic calcium arsenate, which consists in taking solid dicalcium arsenate, mixing it with an excess of lime, and heating it while intimately mixed, whereby basic calcium arsenate is produced.

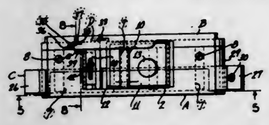
2,344,896
AUTOMOTIVE SUSPENSION
Ross H. Phelps, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application May 18, 1940, Serial No. 335,988
11 Claims. (Cl. 267—20)



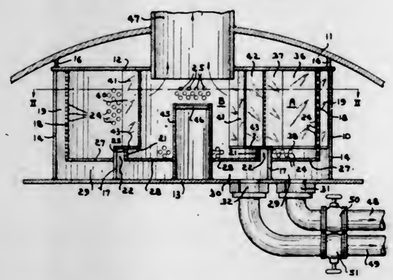
1. In an automobile, a frame, a cross member having a dome pressed upwardly therefrom, parallel walls formed on said dome, a pivot bar, a control arm supported on said pivot bar, two bolts passed through said parallel walls to secure said pivot bar to said frame, means between said walls and adjacent to said bolts arranged to prevent said walls from collapsing, and shims positioned around said bolts and between said pivot bar and one of said walls.

2,344,897
PLANE
John L. Pringle, Monroe, La.
Application July 10, 1941, Serial No. 401,695
2 Claims. (Cl. 145—5)

2. A plane comprising a main stock member having a relatively wide inclined blade seat, a supplemental stock member narrower than the blade seat of said main stock member, said stock members being separated from each other to provide a space between them, the inner face of said supplemental stock member being provided with a groove to receive a side margin of a blade, said groove having an inclined bottom wall, a tongue having an inclined top face extending downwardly from and forming a continuation of said inclined bottom wall, so as to provide a continuous relatively narrow inclined blade seat within said supplemental stock member, said inclined wide and narrow blade seats being parallel with each other and flush with each other, and a blade spanning the space between said stock members and seated upon said wide and narrow blade seats, said blade having cutting edges and a recess between said cutting edges registering with the space between said stock members, said recess being offset from the center of the blade so as to provide a relatively short cutting edge conforming approximately to the width of said narrow blade seat and a longer cutting edge conforming approximately to the width of said relatively wide blade seat.

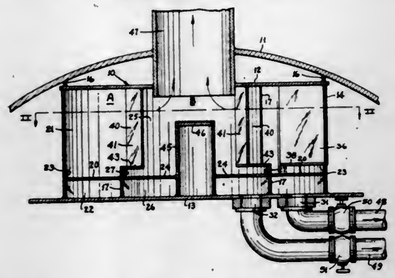


2,344,898
LIQUID SEPARATING APPARATUS
John P. Rathbun, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 12, 1941, Serial No. 397,747
1 Claim. (Cl. 183—84)



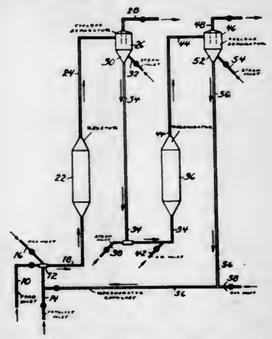
A separator for removing liquid from a gaseous fluid; comprising top and bottom walls joined by an annular side wall; horizontal baffle structure dividing the space enclosed by said walls into an upper separating space and a lower liquid-collecting space; a liquid outlet from said collection space at the bottom thereof; a fluid outlet from the separation space through the top wall adjacent the center thereof and spaced radially inward a material distance from said annular side wall; means for delivering gaseous fluid to the separation space with a whirling movement, the annular side wall serving to direct and maintain the whirling movement of the fluid and having a plurality of perforations therethrough for discharge of liquid therethrough by centrifugal force acting on the whirling fluid; and means for conducting the discharged liquid to the liquid collection space.

2,344,899
LIQUID SEPARATING APPARATUS
John P. Rathbun, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 12, 1941, Serial No. 397,747. Divided and this application August 31, 1943, Serial No. 500,614
1 Claim. (Cl. 183—84)



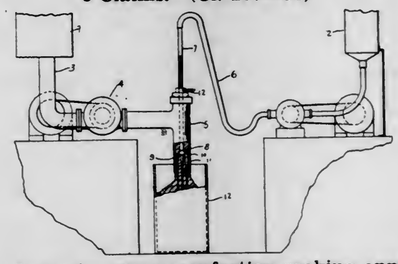
A separator for removing liquid from a gaseous fluid; comprising top and bottom walls joined by an annular side wall; horizontal baffle structure dividing the space enclosed by said walls into an upper separating space and a lower liquid collection space; a liquid outlet from said collection space at the bottom thereof; a fluid outlet from the separation space through the top wall adjacent the center thereof and spaced radially inward a material distance from said annular side wall; and means for delivering gaseous fluid to the separation space with a whirling movement, the annular side wall serving to direct and maintain the whirling movement of the fluid and having its inner surface corrugated to provide recesses extending generally transversely to the direction of fluid flow therepast, whereby liquid may be thrown out of the whirling fluid by centrifugal action to flow down said recesses to the collection space.

2,344,900
TREATING HYDROCARBON FLUIDS
Edward D. Reeves, Cranford, and Philetus H. Holt, 2nd, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 2, 1942, Serial No. 437,314
4 Claims. (Cl. 196—52)



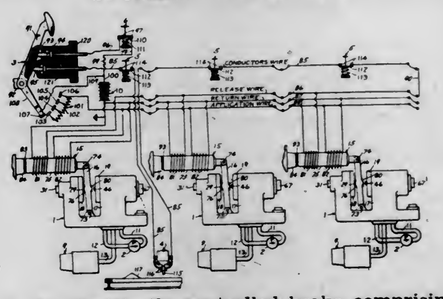
2. A process for converting hydrocarbons which comprises mixing heated hydrocarbon vapors with finely divided catalyst particles, the catalyst particles having a fraction of a percent by weight of carbonaceous deposit thereon between about 0.5% and 1% from a previous regeneration operation, passing the suspension through a conversion zone to effect the desired extent of conversion, during which the catalyst particles have deposited thereon about 1% to 2% of carbonaceous material by weight on the catalyst and the catalyst particles lose part of their effectiveness as a catalyst, and separating the catalyst particles from products of conversion.

2,344,901
METHOD AND APPARATUS FOR MAKING FLAVORED CONFECTIONS
Almond C. Routh, Sandusky, Ohio
Application April 17, 1940, Serial No. 330,150
5 Claims. (Cl. 107—54)



1. In an ice cream confection making apparatus, an extrusion nozzle adapted to be secured at one end to an ice cream making apparatus to have ice cream frozen to plastic consistency, supplied under pressure to said nozzle end and to be extruded therefrom, a filler nozzle having two or more downwardly extending tubular fingers of different length and disposed generally parallel to each other, the ends of said tubular fingers being flattened and spaced inwardly from the end of said ice cream nozzle, whereby said ice cream upon extrusion is adapted to have several streams of filling material disposed therein in ribboned effect.

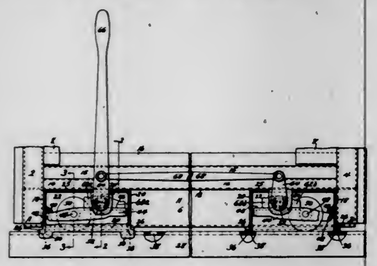
2,344,902
BRAKE SYSTEM
Everett P. Sexton, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 6, 1942, Serial No. 425,725
24 Claims. (Cl. 303—20)



1. An electrically controlled brake comprising a hydraulic system for effecting an application and a release of the brakes, said hydraulic system comprising a pump for normally circulating a hydraulic medium through the system, a brake cylinder device, and a brake controlling valve device operative at one time to impede the flow of the hydraulic medium through the system to effect the operation of the brake cylinder device to

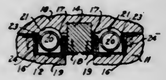
apply the brakes and operative at another time to permit the circulation of the hydraulic medium through the system to effect the operation of the brake cylinder device to release the brakes and electrical means under the control of an operator for effecting the operation of the brake controlling valve device, said electrical means comprising electroresponsive means operative when energized to effect operation of said brake controlling valve device to impede the flow of the hydraulic medium through the system and other electroresponsive means operative when energized to effect operation of said brake controlling valve device to permit the circulation of the hydraulic medium through the system.

2,344,903
DOOR LIFTING AND TILTING DEVICE
Robert A. Shields, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 5, 1942, Serial No. 433,527
5 Claims. (Cl. 16—99)



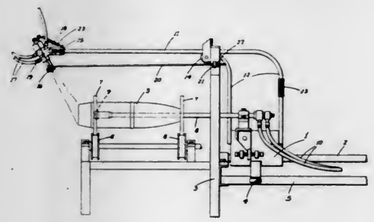
1. In a lift device for sliding doors having the bottom portion normally resting on a supporting track, the combination of lift mechanism adjacent the lower corners of the door and each comprising, a roller, an axle extending through the roller, a roller carriage rockably carried by the axle, a roller housing secured to the door and substantially inclosing said roller carriage, a projecting ledge in said housing overlapping and engaging one end of said carriage, operating means overlapping the other end of said carriage and being formed with arms engaging said carriage at varying distances from said axle, and means connecting the operating means to shift the same and cause said arms to rock said carriages varying degrees to lift and tilt the door.

2,344,904
WINDOW CONSTRUCTION
Charles A. Shogren, Chicago, Ill., assignor to Dorbin Metal Strip Manufacturing Co., Chicago, Ill.
Application February 21, 1942, Serial No. 431,783
2 Claims. (Cl. 20—52)



1. A window construction comprising a frame; a sash slidable therein between guide strips, said sash having a longitudinal recess in its corner adjacent one of said strips; a sheet metal spring housing in channel form positioned in said recess with its open side outward with reference to the sash, the side of said housing adjacent said one strip being extended and bent inwardly parallel to itself to form a narrow weather groove between the housing and said one strip, the end of said extended housing side being bent at substantially a right angle to form a securing element to rest against the inner face of said one strip; means fastening said securing element to said one strip; a sheet metal weather strip in angle form having one leg secured to the inner wall of said recess and the other leg slidably engaging said groove; and a spring in said housing connected with the sash and the frame.

2,344,905
SPRAY PAINTING MACHINE
George P. Short, Tournapull, Ga., assignor to R. G. Le Tourneau, Inc., a corporation
Application November 14, 1941, Serial No. 419,136
10 Claims. (Cl. 91—45)

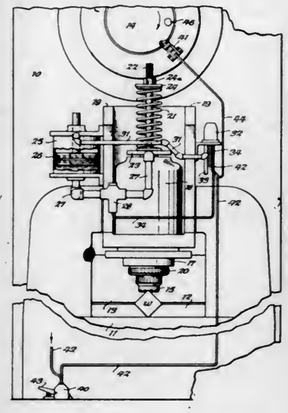


4. A spray painting machine for spraying the interior and exterior of cylindrical hollow work open at one end and closed at the other, said machine including with means to support the work for rotation, a carriage disposed beyond the open end of the work, means mounting the carriage for movement parallel to the axis of the work, a spray pipe projecting rigidly from the carriage toward the work and disposed axially thereof, a spray head on the outer end of the pipe to enter the open end of the work, a supporting member rigid with the carriage and extending therefrom lengthwise of its direction of movement to overhang the work in spaced relation to the exterior thereof, a spray head at the outer end of said member facing the exterior of the work, means pivotally mounting the last named head on the member further from the carriage than the first named head and for tilting movement toward the closed end of the work, means normally holding the head from tilting and means functioning to tilt said head upon advance of the carriage to an extent such that said last named head is moved beyond the closed end of the work.

2,344,906
CARBONIZING METALS
Henry T. Swanson, Nutley, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application September 30, 1941, Serial No. 412,958
4 Claims. (Cl. 117—46)

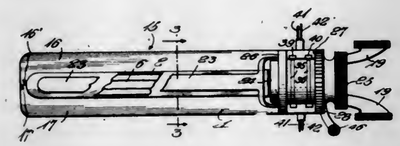
1. The method of applying an adherent black coating of carbon to sheet metal, comprising heating the metal in a mixed gaseous atmosphere composed essentially of one part of a hydrocarbon gas and between .75 and 2 parts of carbon dioxide, continuing the heating for ½ to 2 minutes to between 500° C. and 900° C., and cooling the metal out of contact with air to below its oxidizing temperature in air.

2,344,907
WORK-HOLDING MEANS FOR CUTTING MACHINES AND THE LIKE
William C. Tucker, Kenmore, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y.
Application July 14, 1943, Serial No. 494,671
12 Claims. (Cl. 164—52)



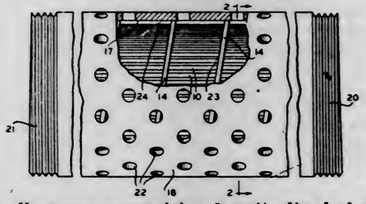
12. In a work holding mechanism for shearing machines and the like comprising a holder movable to hold and release the work, the improved construction comprising a stationary hydraulic cylinder, a piston movable in said cylinder and carrying said holder, spring means for moving said piston and holder to release the work, a pump and connections for forcing liquid under pressure to and relieving pressure in said cylinder to effect work holding and work releasing action of said piston and holder, a check valve in said connections which normally admits liquid to said cylinder and prevents back flow of the liquid, a pressure actuated device for opening said check valve, and fluid pressure control means constructed and arranged to operate said pump and check valve operating device.

2,344,908
ELECTRIC HAIR-WAVING DEVICE
Stewart C. Whitman, New York, N. Y.; Helen Whitman administratrix of said Stewart C. Whitman, deceased
Application March 18, 1940, Serial No. 324,675
5 Claims. (Cl. 219—24)



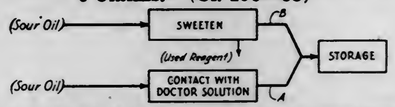
1. In a hair waving device, a support, a holder detachably and rotatably mounted in the support, coacting electrical conducting connections between the support and holder, a hollow mandrel carried by the holder and having a stem portion detachably mounted therein, a heating element in the mandrel, and electrical conducting connections between the holder and stem of the mandrel and between the latter and the heating element.

2,344,909
DEEP WELL SCREEN
Howard O. Williams, Minneapolis, and Albert A. Jens, St. Paul, Minn., assignors to Edward E. Johnson, Incorporated, St. Paul, Minn.
Original application April 15, 1940, Serial No. 329,752, which is a division of Serial No. 222,410, August 1, 1938. Divided and this application September 18, 1942, Serial No. 459,064
1 Claim. (Cl. 166—5)



A well screen comprising longitudinal elements with flat outwardly disposed tops and converging side portions positioned so that said tops outline a cylinder and being closely spaced to provide inwardly expanding longitudinal screening slots, a helically wound wire with widely spaced helical coils on the outside of said longitudinal rods and welded to the flat faces thereof at every crossing point to form an integrally united screen member, and a pipe base surrounding said screen member and immovably united to the outer limits of the aforesaid helical coils, said pipe base having a multiplicity of holes of considerable diameter, the distances between coils being several times the diameter of said holes, whereby said spaced coils provide a continuous helical drainage channel about the screen member inside the inner walls of the pipe base leading from the holes through the surrounding pipe base to the inwardly expanding screening slots.

2,344,910
METHOD OF SWEETENING HYDROCARBON OILS
George S. Windle, El Paso, Tex., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application March 4, 1941, Serial No. 381,616
6 Claims. (Cl. 196—33)



1. A method of sweetening sour oil continuously comprising dividing the sour oil in a predetermined ratio, sweetening one part by treatment with an agent which converts mercaptans principally to oil-soluble disulfides, separating the sweetened oil from the agent and insoluble reaction products, contacting the other part with an agent which converts mercaptans to mercaptides, thereby producing a sour oil containing dissolved mercaptides, blending the two parts in such relative proportions that the blend will be initially sour but will upon standing become sweet.

2,344,911
TITANIUM CATALYST
David W. Young, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 28, 1942, Serial No. 436,611
6 Claims. (Cl. 196—52)

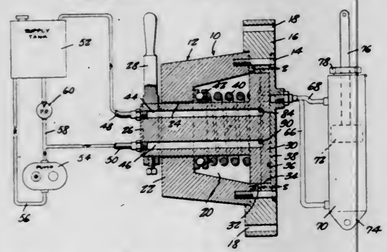
6. A process of preparing a catalyst adapted for the conversion of hydrocarbon oils which

comprises forming a silica hydrogel, impregnating the hydrogel with a potassium acid carbonate solution containing a titanium salt, converting the titanium salt into the oxide and thereafter drying and activating the catalyst.

2,344,912
LUBRICATING OIL BLEND
David W. Young, Roselle, and Hector C. Evans, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 15, 1942, Serial No. 439,082
6 Claims. (Cl. 252—59)

3. A ternary lubricating oil composition which consists in a homogeneous solution of a tri-p-tolylmethyl polymer in a naphthenic hydrocarbon oil, and a paraffinic mineral lubricating oil.

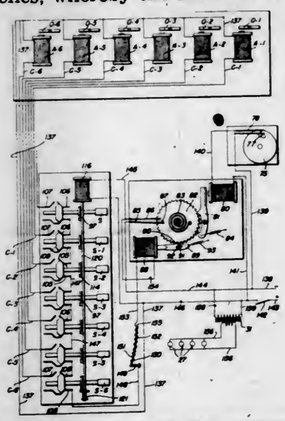
2,344,913
VALVE
William E. Ager, Bristol, Va.
Application April 16, 1942, Serial No. 439,256
6 Claims. (Cl. 251—87)



1. A valve comprising a supporting body having a wall provided with a valve face and first and second ports passing through said wall and the valve face, a rotary member having a valve face engaging said first-mentioned valve face and provided with first and second passages, said rotary member being provided with branch passages communicating with said first passage and terminating in third and fourth ports passing through said second-mentioned valve face, said rotary member being provided with branch passages communicating with said second passage and terminating in fifth and sixth ports passing through said second-mentioned valve face, and means for rotating said rotary member, with said third, fourth, fifth and sixth ports also spaced on a common arc line concentrically of the axis of rotation of the rotary member as to bring the third and sixth ports into respective communication with said first and second ports in one position of the rotary member and the fifth and fourth ports into respective communication with said first and second ports in another position of the rotary member, said third, fourth, fifth and sixth ports being out of communication with said first and second ports in a third position of said rotary member.

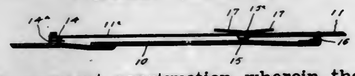
2,344,914
REMOTE CONTROLLER
Lloyd J. Andres, Chicago, Ill.
Original application December 31, 1937, Serial No. 182,708. Divided and this application September 14, 1943, Serial No. 502,342
5 Claims. (Cl. 194—1)

1. A coin controlled selective controller comprising a plurality of manually operable coin receivers, each said receiver adapted for the acceptance of coins of different predetermined denominations, a governor controlled electric commutator means, mechanical means operatively responsive to the movement of said coin receivers for operating said commutator means, an electromagnetic computing means responsive to electric impulses, a plurality of electromagnets independently selectively responsive to electric impulses, a plurality of push button operated electric switches corresponding in number to the said electromagnets, a source of electric energy, electric circuit means connecting said source of energy with said commutator means, said computing means, said electromagnets, and said electric switches, whereby the insertion of a coin or



coins in said receivers and the manual operation of said receiver or receivers will cause the said mechanical means to close the said commutator means an exact number of predetermined times in accordance with the value of the coin or coins inserted to apply a corresponding number of electric impulses through a portion of said circuit to said computing means and register a predetermined value therein, and whereby the selective operation of any of the said push button switches through another portion of said circuit will energize only a number of said electromagnets corresponding to a predetermined value of a coin or coins inserted and simultaneously through a further portion of said circuit restore the said computing means to its normal inoperative position.

2,344,915
GARMENT CONSTRUCTION
James J. Chambart and Josephine Chambart, New York, N. Y.
Application July 16, 1943, Serial No. 494,906
4 Claims. (Cl. 2—74)

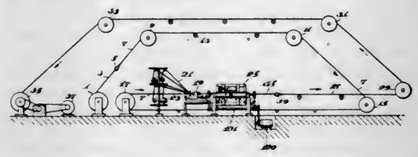


1. In garment construction wherein the garment includes a placket formation extending across the waistline and positioned between the front and rear panels of the garment and with the placket line extending generally in the direction of the arm-hole of the garment, and in combination, a rear panel having a triangular flap secured thereto along the placket line and adapted to extend in underlying relation to and be removably secured to the front panel, a front panel having a flap of shallow inverted triangular V-shape formed integral therewith with the flap adapted to overlie the placket line of the rear panel and be removably secured to such rear panel a material distance beyond such line, said front and rear panels respectively carrying the members of a separable fastening means with the rear panel member positioned at the intersection of the placket line with a horizontal line corresponding to the waistline and with the front panel member located on such horizontal line but remote from the free apex of the shallow inverted V-shaped flap, the free apices of the flaps being adapted to lie substantially on such horizontal line, the straight edges of the two triangular flaps forming the base lines of the triangles opposite the fastening means normally being in a single line extending lengthwise of the garment, and individual means for detachably securing the respective fla[illegible] to the opposing panel with such means located within such free apex zones, whereby the placket may be detachably closed with the placket line concealed by detachably connecting the panels at three spaced-apart points on the waistline.

2,344,916
METHOD OF PREPARING CHEWING GUM BASES
Carl E. Hartwig, Teaneck, N. J., and Boris N. Lougovoy, Jackson Heights, N. Y., assignors to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey
No Drawing. Original application April 20, 1940, Serial No. 330,698. Divided and this application December 16, 1940, Serial No. 370,376
4 Claims. (Cl. 260—821)

1. A method of preparing a chewing gum base from milkweed latex comprising the steps of forming an aqueous emulsion of the latex, raising the temperature of the emulsion to about 60° C. and continuing heat treatment until coagulation takes place, and controlling the moisture content of the coagulum so that the water content is brought to about 50%.

2,344,917
FLEXIBLE SHAFT WINDING TOOL
Clarence F. Hotchkiss, Jr., Binghamton, N. Y., assignor to Stow Manufacturing Company, Inc., Binghamton, N. Y., a corporation of New York
Original application January 18, 1943, Serial No. 472,770. Divided and this application October 7, 1943, Serial No. 505,349
5 Claims. (Cl. 57—11)

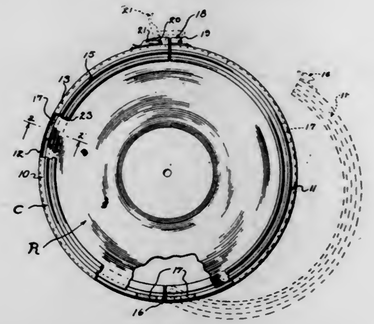


1. In a flexible shafting forming machine, in combination therewith of a winding tool for applying a plurality of continuous wire helices to the exterior of a longitudinally moving and rotating flexible shafting core being carried through said machine, said winding tool comprising a horizontal tube mounted in a holder through which said core is drawn, a vertical plate positioned in spaced relation to said tube, said plate having a central aperture therein alined with the said tube and a series of radially spaced wire passages circumferentially arranged about said central aperture and means for adjusting the relative position of the adjacent end of said tube with respect to said vertical plate and wherein the said tube holder and said vertical plate are integrally joined to a connecting base portion with the said connecting base portion being mounted on spaced apart parallel rods with the ends of the rods secured at their ends to longitudinally spaced brackets.

2,344,918
PROCESS OF PLASTICIZING ESTERS OF METHACRYLIC ACID
William S. Johnson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 19, 1939, Serial No. 309,959
15 Claims. (Cl. 260—36)

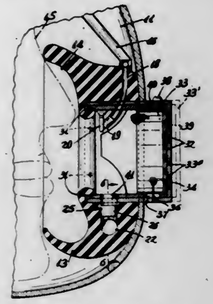
2. The process of preparing permanently plastic resinous polymers of compounds of the group consisting of acrylic and methacrylic acids, acrylonitrile, methacrylonitrile and esters of acrylic and methacrylic acids with saturated alcohols which comprises masticating the polymeric material at temperatures of from about 100° C. to about 160° C. in the presence of less than about 3% of sulfur and less than about 2% of an ammonium dithiocarbamate.

2,344,919
STORING AND HANDLING CASES FOR PHONOGRAPH RECORDS
Daniel Allcott Kelly, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis.
Application March 1, 1940, Serial No. 321,755
1 Claim. (Cl. 206—62)



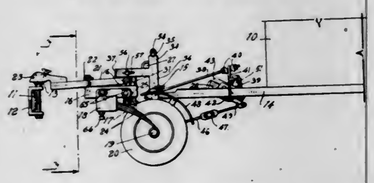
A storing and handling case for a group of stacked disc records of sound-producing machines comprising, a pair of like companion semicircular record engaging jaws, each of said jaws being of a substantially U-shape in cross section and including an outer side wall and inwardly directed, spaced, radial flanges on the edges of the side wall, means hingedly connecting the jaws together at one side of the case for opening and closing movement, compressible record gripping pads carried by the inner faces of the jaws, and a clasp for drawing the jaws toward one another in operative record gripping position including a keeper carried by one jaw, a swinging lever carried by the other jaw, and a bail pivotally secured to the lever for hooking over the keeper.

2,344,920
FROST MASK
Gilbert P. Maggi, Brooklyn, N. Y.
Application November 19, 1943, Serial No. 510,929
13 Claims. (Cl. 128—141)



1. A frost mask, comprising a heat insulating body for engaging over and to the front of one's face forming a primary chamber about one's face, a heat insulating member for engaging over and to the front of one's nose and mouth and mounted within said body forming a secondary chamber within said primary chamber, air supply tubes from the exterior passing through said primary chamber for preheating and connecting with said secondary chamber, air exhaust tubes from said secondary chamber passing through said primary chamber and then to the exterior, a tube for speaking mounted through said member and body, and a cover for shutting said speaker tube and controlling said air tubes for closing said air tubes when the speaker tube is open.

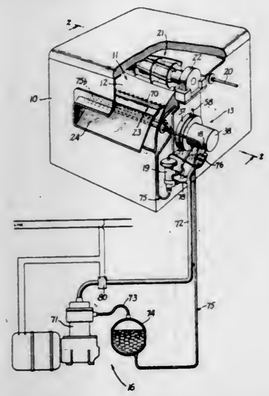
2,344,921
TRAILER STABILIZER
Ernest C. McDaniel, Denver, Colo.
Application May 11, 1942, Serial No. 442,527
10 Claims. (Cl. 280—33.4)



1. A towing dolly for trailers comprising: a frame; wheels supporting the frame; a towing tongue extending forwardly of the frame; a towing pivot member carried by the frame above said wheels for receiving the tongue of a trailer; a shock absorber positioned above said pivot member and connected to said frame; an absorber shaft extending from said absorber; and means for connecting the absorber shaft to the trailer.

2,344,922
REFRIGERATION
Francis M. Raver, York, Pa., assignor to Flakice Corporation of New York, Brooklyn, N. Y., a corporation of New York
Application January 13, 1941, Serial No. 374,274
12 Claims. (Cl. 62—106)

9. In ice-making apparatus, in combination, a tank, a cylinder mounted in said tank and rotatable about a horizontal axis, said cylinder having a freezing surface over 50% submerged in a liquid to be frozen, an ice-freeing unit mounted above said cylinder for freeing from said freezing surface ice formed thereon, and an ice-collecting plate for collecting ice from the



cylinder after it is freed from the freezing surface, said ice-collecting plate being slightly above the water level, and means for maintaining the temperature of the layer of water beneath the ice-collecting plate sufficiently above freezing temperature to prevent ice from collecting in the water under said ice-collecting plate.

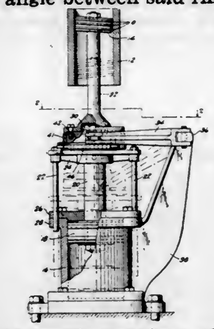
2,344,923
LOADING AND UNLOADING DEVICE
Thomas R. Robinson, Everett, Wash.
Application September 2, 1939, Serial No. 293,244
8 Claims. (Cl. 214—24)



3. Panel moving means operable in a chamber between two spaced apart deck members comprising reciprocable carriage members positioned at the sides of the deck members; a panel engaging bar extending crosswise of said chamber and pivotally connected with said carriage members and movable into a position to clear a panel or into a position to engage a panel in said chamber; dog means connected with said panel engaging bar; and dog oscillating means positioned in the path of travel of said dog means engaging said dog means and moving said panel engaging bar from one operative position to another.

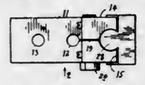
2,344,924
METHOD AND APPARATUS FOR CROWNING PISTON RINGS
Earle A. Ryder, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 17, 1942, Serial No. 462,396
6 Claims. (Cl. 51—157)

1. In a method of uniformly crowning the annular bearing surface of a piston ring the steps of engaging the bearing surface of said ring with an internal cylindrical wearing surface, reciprocating said ring with respect to said surface, and varying the angle between said ring bearing sur-



face and said wearing surface while continuing to reciprocate said ring.

2,344,925
TOOL DEVICE
William C. Smith, Springport, Ind.
Application June 26, 1943, Serial No. 492,655
5 Claims. (Cl. 29—96)



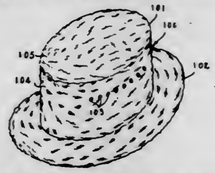
1. A tool device of the kind and for the purposes described, consisting of a body having a cylindrical bore in the head portion thereof, the said bore being segmented in parallelism with its main axis, and whereby a gap in the face portion of the said body is constituted, a cutter bit having a shank of cylindrical formation in cross section, and which is inset and integrated along a segmental line at its side with the rear side of said bit, and the body portion of said shank being pivotally reposed in the bore of said body, there being a clearance space between the frontal face of said body and the rear side of said bit, and an adjusting screw in said body at either side of said bore, and both of said screws being operable to engagement with the rear side of the said cutter bit.

2,344,926
WATER-REPELLENT FABRIC
William J. Thackston, Haddon Heights, N. J., and Sivert N. Glarum, Ardmore, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 14, 1942, Serial No. 430,942
4 Claims. (Cl. 260—15)

1. A composition suitable for imparting water repellency to textile fibers, yarns, and fabrics which comprises a water-in-oil emulsion containing in the oil phase 10 to 35 parts of an organic solvent-soluble condensate of urea, formaldehyde, and a monohydric aliphatic alcohol of at least four carbon atoms, 0.1 to 1 part of organic solvent-soluble ethyl cellulose, 5 to 35 parts of a water-insoluble wax, 5 to 37 parts of an aluminum soap, and organic solvent therefor.

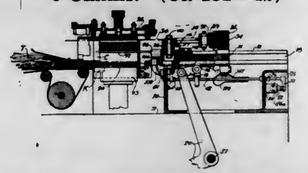
2,344,927
HAT COVER
Roy J. Weikert, Covington, Ohio
Original application May 22, 1939, Serial No. 274,867. Divided and this application July 21, 1941, Serial No. 403,318
1 Claim. (Cl. 2—187)

A one-piece seamless hat cover for covering the crown and the upper surface of the brim of a hat that is formed from a single sheet of tissue thin infinitely flexible rubber hydrochloride that includes a crown portion formed by stretching the central area of a sheet of rubber hydrochloride over a crown shaped form to a size slightly larger than the crown of a hat and subsequently permanently setting the same in this shape whereby the crown portion can be positioned upon the crown of a hat for resting upon and engaging the same without any elastic



resiliency, and an integral brim portion extending annularly from the crown portion for solely laying upon and protecting the upper brim surface of a hat; the hat cover having the general characteristics of a gossamer like thinness which is enhanced in the crown portion thereof by reducing the wall thickness of the crown portion over the wall thickness of the brim portion to eliminate any substantial weight or friction upon the surface of the hat, and a soft smooth continuous glazed inner surface having no abrading qualities.

2,344,928
OSCILLATING KNIFE MOTOR
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application August 9, 1941, Serial No. 406,104
9 Claims. (Cl. 131—42)

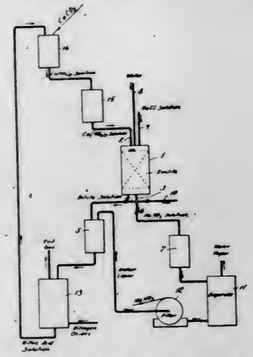


1. In a cigar machine, having means for assembling sections of long filler tobacco as laminations in a column, the combination with a support movable toward and away from said column, a knife pivotally mounted on said support in position to traverse the column as said support approaches the column, electromagnetic means for oscillating said knife on its pivotal mounting on said support as the latter approaches the column to sever a charge from the column, and a device for automatically interrupting the oscillation of the knife during the entire interval in which it is retracted from the column.

2,344,929
PROCESS FOR THE PRODUCTION OF SALTS
Dwight C. Bardwell, Syracuse, N. Y., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
Application March 9, 1934, Serial No. 714,846
7 Claims. (Cl. 23—102)

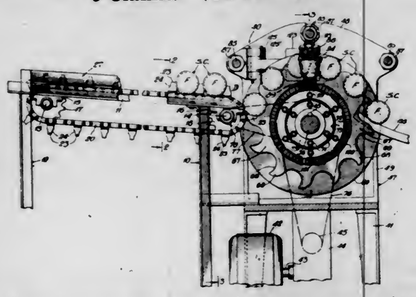
1. The process for the production of sodium nitrate which comprises displacing from a bed of sodium zeolite a body of water submerging said zeolite bed by introducing to the top of said bed and passing therethrough a solution of cal-

cium nitrate containing about 10% to 20% of nitrate salts, discontinuing the introduction of said solution to said bed of zeolite when the proportion of calcium nitrate in the solution converted into sodium nitrate is about 50% to 60%, then displacing from said bed of zeolite said solution of nitrate salts by introducing water to the top of said bed and passing the water downwardly therethrough, separately collecting that portion of the solutions from said zeolite bed which has a specific gravity above about 1.042



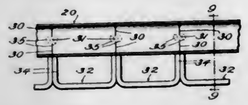
from the portion of said solutions having a specific gravity below about 1.042, concentrating the first mentioned portion of solutions from the zeolite bed to recover sodium nitrate therefrom, enriching the second mentioned portion of solutions from the zeolite bed in calcium nitrate to form a solution containing about 10% to 20% of dissolved salts and treating this solution for the production of sodium nitrate in the manner described for the treatment of the aforesaid solution of calcium nitrate containing about 10% to 20% dissolved salts.

2,344,930
MARKING MACHINE
John E. Ferguson, Southbury, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application December 15, 1941, Serial No. 422,941
9 Claims. (Cl. 101—37)



1. In apparatus of the character described, rotatable indicia impressing means arranged to engage a surface on an end of a moving body, means for rotating and imparting a surface speed to said indicia impressing means equal substantially to that of said surface of said moving body, means for moving said body surface past said indicia impressing means, guide means yieldably carried by said moving means, and engageable with the opposite end of said body, and spring actuated means engaging said guide means to press said surface of said body against said indicia impressing means with sufficient pressure to secure an impression of its indicia upon said surface by a rolling action.

2,344,931
METHOD OF PRODUCING GETTERS
Carl Herzog, Belleville, and Paul A. Hauck, Union, N. J., assignors, by mesne assignments, to themselves as joint tenants
Application January 9, 1943, Serial No. 471,870
16 Claims. (Cl. 29—25.13)



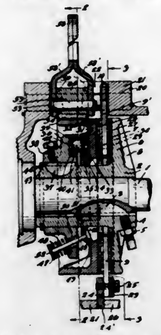
1. The method of producing getters, comprising forming a continuous metal ribbon to produce a channel, partly severing the ribbon at spaced points to define the length of the bases of the getters, welding metallic supporting elements to the bases, then feeding getter material into the channel of the ribbon, rendering the getter material hard, and severing the getters at the points where the ribbon was previously partly severed.

2,344,932
RUBBER VALVE STEM
Oakley W. Hosking, Monroe, N. Y.
Original application October 27, 1936, Serial No. 107,832, now Patent No. 2,232,530, dated February 18, 1941. Divided and this application February 15, 1941, Serial No. 379,055
4 Claims. (Cl. 251—144)



2. A rubber valve stem having a longitudinal passage extending therethrough from base to tip, comprising a rubber body portion having a bore therethrough forming at least a portion of said passage; a constriction intermediate the ends of said bore forming a rubber valve seat integral with the rubber walls of the bore and facing the base of the stem; a rigid tubular valve core-receiving insert extending into the tip of said rubber body and having a portion including its inner end embedded in the rubber of said body, said rubber lying both exteriorly and interiorly of the embedded portion, and the latter having interlocking engagement with said rubber, surrounding said seat, and extending above and below said seat; and a valve core secured in said insert, comprising means for securing it thereto, and a spring-pressed valve closure normally urged against said integral rubber valve seat to seal the passage through the stem against efflux of air, said closure being adapted to be pushed through said constriction only by a force materially in excess of the force applied thereto by air under pressure in the bore of said stem.

2,344,933
BRAKE CONSTRUCTION
Homer T. Lambert, St. Joseph, Mich., assignor to The Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application November 18, 1941, Serial No. 419,655
8 Claims. (Cl. 188—72)



1. In a brake for applying a braking action to a rotatable drive shaft or the like, a casing, a hub adapted to be mounted upon said drive shaft and fixed thereto for rotation therewith, said hub being radially flanged at one end to provide a braking surface of disc form, an angularly fixed friction disc loosely disposed about the hub adjacent to said hub disc and axially movable towards and away from the same, a third brake disc disposed upon the hub adjacent to the friction disc aforesaid and at the side of the latter opposite to the hub disc, said third brake disc being freely rotatable about the hub and axially movable towards and away from the friction disc and hub disc, and having a braking surface at its side next to the friction disc, a power plate mounted on the hub adjacent to said third brake disc and fixed to the hub for rotation therewith, relatively movable cam and roller means interposed between the power plate and said third brake disc for normally causing rotation of said third brake disc with said power plate and for imparting an axial thrust to said third brake disc incident to rotation of the latter relatively to the power disc, and means engageable with said third brake disc for imposing a drag thereon to cause a limited rotation of said third brake disc relative to said power plate, and thereby causing braking engagement of said third brake disc, said friction disc and said hub disc, said engageable means comprising a segmental friction shoe, and a lever pivotally connected to said shoe and to the casing for maintaining retarding engagement of the shoe with the third brake disc and release of such shoe.

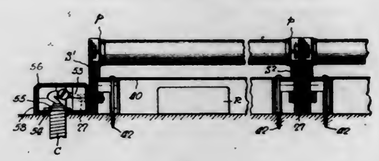
2,344,934
QUATERNARY NITROGEN CONDENSATION PRODUCTS OF METHYLOL UREA ETHERS
Herbert J. West, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 12, 1943, Serial No. 475,671
19 Claims. (Cl. 260—295)

1. Quaternary salts of dimethylurea monoethers of the formula

$$ROCH_2.NH.CO.NH.CH_2.N(tert).Y$$

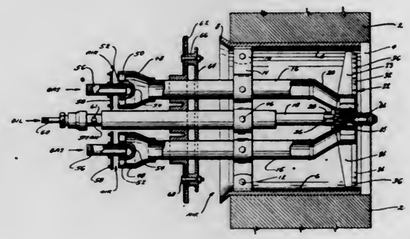
wherein R is an alcohol-forming radical containing at least 4 carbon atoms, N(tert) is the molecule of a tertiary nitrogen base, and Y is an anion.

2,344,935
LIGHTING INSTALLATION
John D. Whittaker, Babylon, N. Y., assignor, by mesne assignments, to Maxwell M. Bilofsky, Newark, N. J.
Application August 9, 1939, Serial No. 289,107
4 Claims. (Cl. 240—9)



1. A lamp installation of the gaseous discharge type extending continuously about the wall of a room, comprising pairs of lamp terminal standards arranged in sequence to accommodate tubular lamps therebetween in a continuous line along the walls, jogs and corners of a room, the standards at opposite ends of each of the lamps having respectively prongs and corresponding female terminals, the adjacent terminal standards of lamp tubes in direct alignment with each other having their terminals in mating relation, and junction fittings intervening between adjacent standards at corners or angular conformations of the room, said fittings having faces in corresponding angular relationship, with male and female terminals, respectively mating with the corresponding female and male terminals of the contiguous terminal standards.

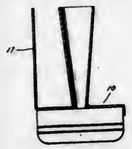
2,344,936
BURNER
John S. Zink, Tulsa, Okla.
Application June 16, 1941, Serial No. 398,225
3 Claims. (Cl. 158—11)



1. A burner of the character described comprising a gas burner head provided with a series of hollow arms radiating from the center of the head, each arm formed with a pair of oppositely disposed inclined walls converging toward the discharge end of the burner, one wall of each of said pairs being provided with a series of spaced discharge ports arranged lengthwise of and extending throughout the length of the arm, and the other wall of said pairs being provided with a plurality of spaced discharge ports arranged lengthwise of and extending throughout a part of the arm near the end of the latter, the last mentioned inclined wall being imperforate with the exception of said plurality of spaced discharge ports, all of said ports being of substantially uniform size and the ports in oppositely inclined walls positioned to cause gas jets discharged throughout to intersect forwardly of said head.

2,344,937
HOLDER FOR ICE CREAM CONES
Charlie Brazier, Guntersville, Ala.
Application December 10, 1941, Serial No. 422,449
1 Claim. (Cl. 65—53)

A holder for ice cream cones and attachment to the beaded side edges of a service tray, said holder comprising an elongated rectangular panel, means on the ends of said panel for attaching the same to said edges of the tray, a plurality of elongated cone containing shells upstanding from said panel in the longitudinal center thereof in spaced apart relation, said shells tapering downwardly for fitting around the cones contained therein and opening through the panel to drain into said tray, and an upstanding panel

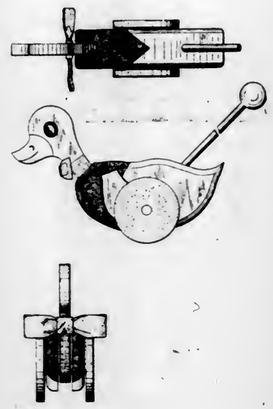


forming flange extending along one side edge of said panel of substantially the height of the shells and for use in handling the holder.

DESIGNS

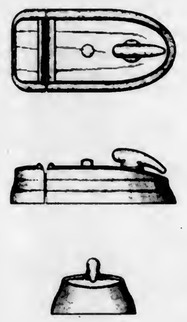
MARCH 21, 1944

137,477
DESIGN FOR A WHEELED TOY
John T. Generale, Pelham Manor, N. Y.
Application January 1, 1944, Serial No. 112,147
Term of patent 3½ years
(Cl. 34—15)



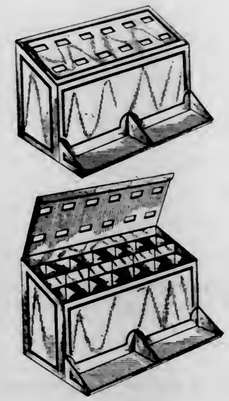
The ornamental design for a wheeled toy, substantially as shown.

137,478
DESIGN FOR A NIGHT LATCH OR SIMILAR ARTICLE
Charles Ledin, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application August 3, 1943, Serial No. 110,825
Term of patent 14 years
(Cl. 50—5)



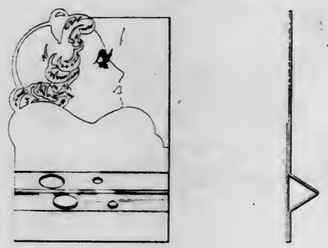
The ornamental design for a night latch or similar article, as shown.

137,479
DESIGN FOR A COUPON SORTING AND DISPENSING RECEPTACLE
James H. Martin, Chicago, Ill.
Application May 24, 1943, Serial No. 110,272
Term of patent 3½ years
(Cl. 52—2)



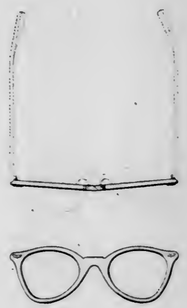
The ornamental design for a coupon sorting and dispensing receptacle, as shown and described.

137,480
DESIGN FOR A DISPLAY CARD
Marcel Michelin, New York, N. Y., assignor to Pinaud Incorporated, New York, N. Y., a corporation of New York
Application June 22, 1943, Serial No. 110,502
Term of patent 14 years
(Cl. 80—5)



The ornamental design for a display card, as shown.

137,481
DESIGN FOR A SPECTACLE FRAME OR SIMILAR ARTICLE
Emanuel Pappert, Flushing, N. Y.
Application February 1, 1944, Serial No. 112,405
Term of patent 14 years
(Cl. 57—1)



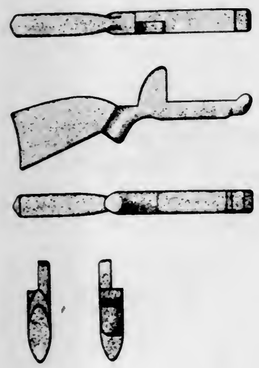
The ornamental design for a spectacle frame or similar article, as shown.

137,482
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
Thomas D. Pitts, Glen Ridge, N. J., assignor to Toy Creations Inc., Jersey City, N. J., a corporation of New Jersey
Application January 22, 1944, Serial No. 112,294
Term of patent 7 years
(Cl. 34—5)



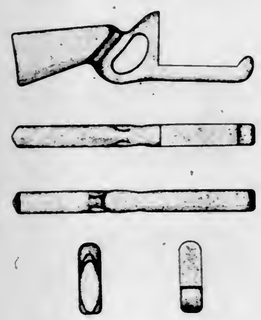
The ornamental design for a game board or similar article, substantially as shown and described.

137,483
DESIGN FOR A CAMERA HOLDER
Roy C. Swanson, St. Paul, Minn.
Application November 18, 1943, Serial No. 111,721
Term of patent 3½ years
(Cl. 61—1)



The ornamental design for a camera holder, as shown.

137,484
DESIGN FOR A CAMERA HOLDER
Roy C. Swanson, St. Paul, Minn.
Application November 18, 1943, Serial No. 111,722
Term of patent 3½ years
(Cl. 61—1)



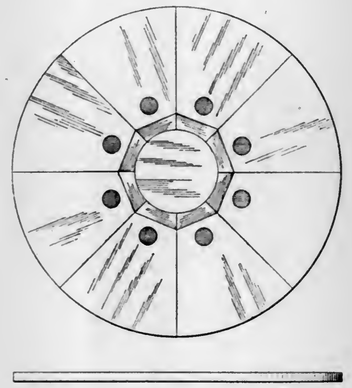
The ornamental design for a camera holder, as shown.

137,485
DESIGN FOR A VACUUM PUMP
George A. Becker, San Bruno, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application May 29, 1943, Serial No. 110,328
Term of patent 14 years
(Cl. 65—1)



The ornamental design for a vacuum pump, substantially as shown.

137,486
DESIGN FOR A GAME BOARD
Landon Napoleon Cheek, Nashville, Tenn., assignor to R. Pete Schield, Nashville, Tenn.
Application October 5, 1943, Serial No. 111,271
Term of patent 14 years
(Cl. 34—5)



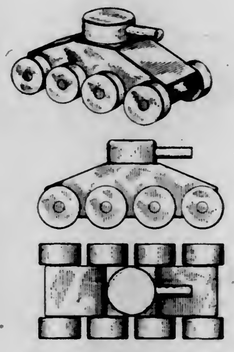
The ornamental design for a game board, as shown.

137,487
DESIGN FOR A TEMPORARY SEAL FOR THE ENDS OF TUBES
Felix Van Cleef, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership
Application July 2, 1943, Serial No. 110,587
Term of patent 14 years
(Cl. 91—1)



The ornamental design for a temporary seal for the ends of tubes, substantially as shown.

137,488
DESIGN FOR A TOY MILITARY TANK
James P. Donahue, Oak Park, Ill.
Application December 1, 1943, Serial No. 111,849
Term of patent 14 years
(Cl. 34—15)



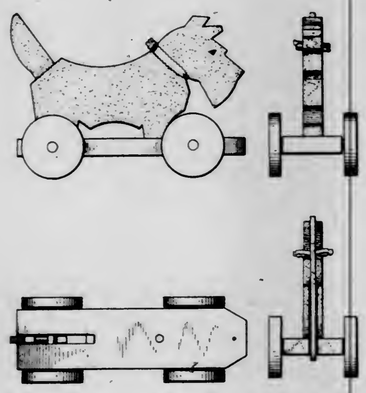
The ornamental design for a toy military tank, substantially as shown.

137,489
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alfred Duhrssen, New York, N. Y.
Application January 19, 1944, Serial No. 112,273
Term of patent 3½ years
(Cl. 44—15)



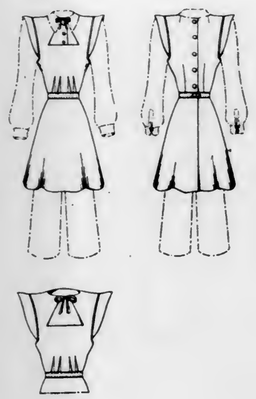
The ornamental design for a plate or similar article, substantially as shown.

137,490
DESIGN FOR A FIGURE TOY
Robert C. Flynt, Winston-Salem, N. C., assignor to New Enterprises, Winston-Salem, N. C., a copartnership composed of Ursal K. Butler and Almina S. Butler
Application December 11, 1943, Serial No. 111,994
Term of patent 7 years
(Cl. 34—15)



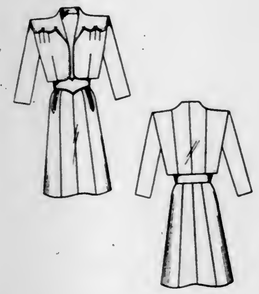
The ornamental design for a figure toy, as shown and described.

137,491
DESIGN FOR A PAJAMA ENSEMBLE
Violet Giovagnoni, New York, N. Y.
Application February 7, 1944, Serial No. 112,471
Term of patent 3½ years
(Cl. 3—26)



The ornamental design for a pajama ensemble, as shown and described.

137,492
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application February 9, 1944, Serial No. 112,520
Term of patent 3½ years
(Cl. 3—4)



The ornamental design for a suit, substantially as shown.

137,493
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application February 9, 1944, Serial No. 112,521
Term of patent 3½ years
(Cl. 3—4)



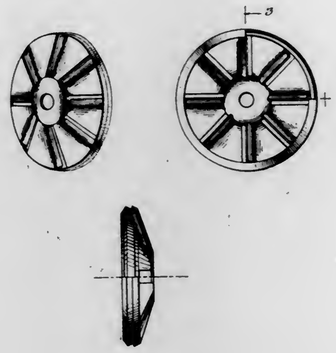
The ornamental design for a suit, substantially as shown.

137,494
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application February 9, 1944, Serial No. 112,522
Term of patent 3½ years
(Cl. 3—4)



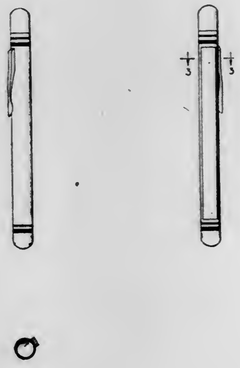
The ornamental design for a suit, substantially as shown.

137,495
DESIGN FOR A COMBINED CUTLERY GRINDER GUIDE AND WHETTING DISK
Alfred M. Jacobson, Denver, Colo.
Application January 21, 1944, Serial No. 112,285
Term of patent 14 years
(Cl. 37—1)



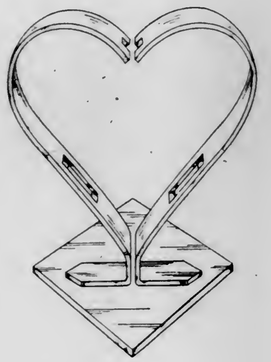
The ornamental design for a combined cutlery grinder guide and whetting disk, as shown.

137,496
DESIGN FOR A DEVICE FOR HOLDING CAPSULES, PILLS, AND THE LIKE
Leroy F. Lustig, Shaker Heights, Ohio
Application May 21, 1943, Serial No. 110,250
Term of patent 3½ years
(Cl. 83—1)



The ornamental design for a device for holding capsules, pills, and the like, substantially as shown and described.

137,497
DESIGN FOR A PICTURE FRAME
Maxwell D. Moglen, New York, N. Y.
Application February 2, 1944, Serial No. 112,415
Term of patent 3½ years
(Cl. 29—20)



The ornamental design for a picture frame, substantially as shown.

137,498
DESIGN FOR A PICTURE FRAME
Maxwell D. Moglen, New York, N. Y.
Application February 2, 1944, Serial No. 112,416
Term of patent 3½ years
(Cl. 29—20)



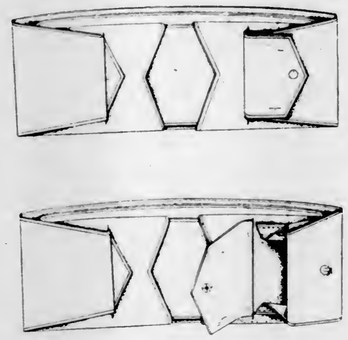
The ornamental design for a picture frame, substantially as shown.

137,499
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Norman M. Rosenbaum, New York, N. Y.
Application February 7, 1944, Serial No. 112,504
Term of patent 7 years
(Cl. 92—1)



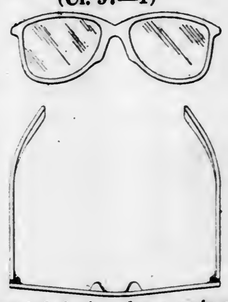
The ornamental design for an embroidered trimming or similar article, substantially as shown.

137,500
DESIGN FOR A BILLFOLD
Samuel J. Smallman, New York, N. Y.
Application February 2, 1944, Serial No. 112,412
Term of patent 7 years
(Cl. 87—3)



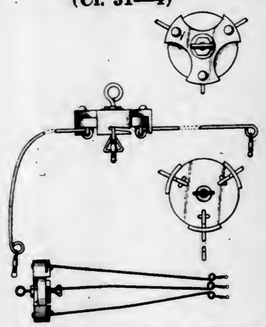
The ornamental design for a billfold, substantially as shown and described.

137,501
DESIGN FOR A PAIR OF SPECTACLES
Edward W. Smith, Jr., Flushing, N. Y., assignor to Alexander Kono, doing business under the name of Kono Manufacturing Company, Woodside, Long Island, N. Y.
Application June 16, 1943, Serial No. 110,465
Term of patent 14 years
(Cl. 57—1)



The ornamental design for a pair of spectacles, as shown.

137,502
DESIGN FOR A DEEP WATER FISHING TACKLE
Arthur E. Thompson, Marysville, Calif.
Application October 16, 1943, Serial No. 111,402
Term of patent 7 years
(Cl. 31—4)



The ornamental design for a deep water fishing tackle, as shown.

137,503
DESIGN FOR A BADGE OR THE LIKE
Mary Trude, Los Angeles, Calif., assignor to Women's Ambulance and Defense Corps, a corporation of California
Application December 26, 1942, Serial No. 109,144
Term of patent 14 years
(Cl. 29—2)



The ornamental design for a badge or the like, as shown.

137,504
DESIGN FOR A WOVEN TEXTILE FABRIC
John L. Walther, New York, N. Y.
Application December 9, 1943, Serial No. 111,968
Term of patent 3½ years
(Cl. 92—1)



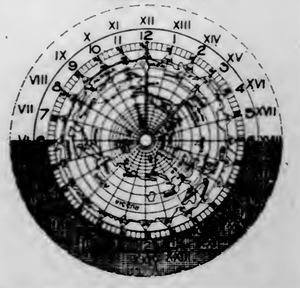
The ornamental design for a woven textile fabric, substantially as shown and described.

137,505
DESIGN FOR A FOLDABLE DOUBLE DECK BED
Ida May Wells, Los Angeles, Calif.
Application October 27, 1943, Serial No. 111,510
Term of patent 14 years
(Cl. 5—4)



The ornamental design for a foldable double deck bed, substantially as shown and described.

137,506
DESIGN FOR A COMBINED DIAL AND HAND FOR CLOCK OR SIMILAR ARTICLE
Frank A. Winders, Savannah, Ga.
Application June 28, 1943, Serial No. 110,547
Term of patent 14 years
(Cl. 42—10)



The ornamental design for a combined dial and hand for clock or similar article, substantially as shown and described.

137,507
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application February 15, 1944, Serial No. 112,590
Term of patent 3½ years
(Cl. 3—26)



The ornamental design for a dress, substantially as shown.

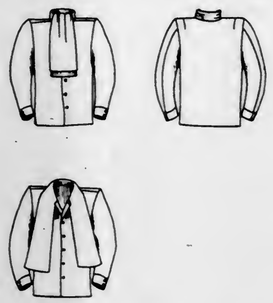
137,508
DESIGN FOR A HEADLIGHT BULB
Lillian Malinda Asay, Camden, N. J.
Application June 24, 1943, Serial No. 110,518
Term of patent 14 years
(Cl. 26—8)





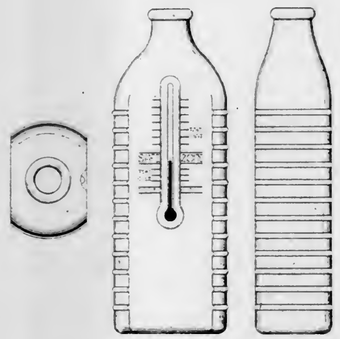
The ornamental design for a headlight bulb, as shown.

137,509
DESIGN FOR A SHIRT
Jessie Byrd Bernhard, Birmingham, Ala.
Application June 25, 1943, Serial No. 110,521
Term of patent 14 years
(Cl. 3—25)



The ornamental design for a shirt, substantially as shown and described.

137,510
DESIGN FOR AN INFANT FEEDING BOTTLE
Logan Eisele, Nashville, Tenn.
Application May 12, 1943, Serial No. 110,194
Term of patent 7 years
(Cl. 83—8)



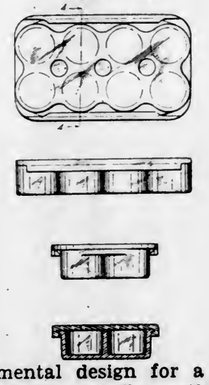
The ornamental design for an infant feeding bottle, as shown and described.

137,511
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 12, 1944, Serial No. 112,547
Term of patent 3½ years
(Cl. 45—19)



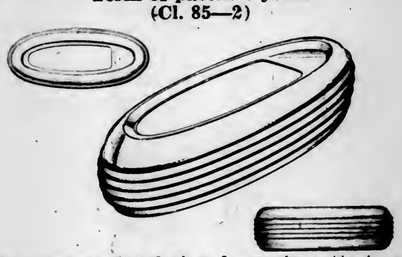
The ornamental design for a brooch or similar article, substantially as shown.

137,512
DESIGN FOR A CONTAINER FOR CAPSULES, TABLETS, OR SIMILAR ARTICLES
George R. Laure, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
Application December 6, 1943, Serial No. 111,934
Term of patent 14 years
(Cl. 58—13)



The ornamental design for a container for capsules, tablets, or similar articles, as shown.

137,513
DESIGN FOR A CIGARETTE TRAY
Charles E. McCormick, Dearborn, Mich.
Application October 11, 1941, Serial No. 103,734
Term of patent 7 years
(Cl. 85—2)



The ornamental design for a cigarette tray, as shown.

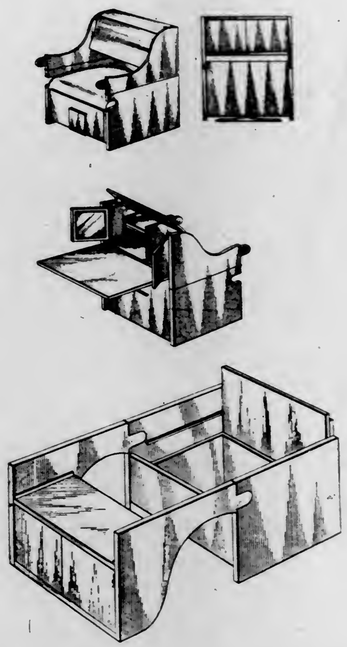
137,514
DESIGN FOR A COOKIE JAR
Frances Poe, Wilmette, Ill.
Application November 1, 1943, Serial No. 111,569
Term of patent 7 years
(Cl. 58—25)





The ornamental design for a cookie jar, substantially as shown.

137,515
DESIGN FOR A CONVERTIBLE FURNITURE UNIT
Joseph Randolph, New York, N. Y.
Application January 5, 1944, Serial No. 112,194
Term of patent 14 years
(Cl. 33—1)



The ornamental design for a convertible furniture unit, substantially as shown and described.

137,516
DESIGN FOR A WOVEN BRAID
August Steffens, Union City, N. J.
Application January 10, 1944, Serial No. 112,207
Term of patent 3½ years
(Cl. 3—32)



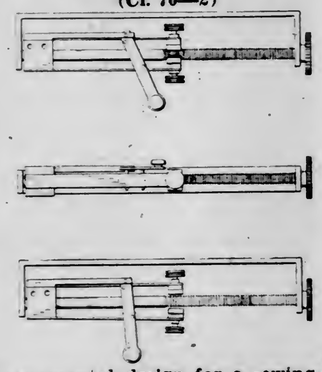
The ornamental design for a woven braid, substantially as shown.

137,517
DESIGN FOR A WOVEN BRAID
August Steffens, Union City, N. J.
Application January 10, 1944, Serial No. 112,208
Term of patent 3½ years
(Cl. 3—32)



The ornamental design for a woven braid, substantially as shown.

137,518
DESIGN FOR A SEWING MACHINE FEEDING ATTACHMENT FOR PRODUCING SPIRAL STITCHING
Isidore Klainbard, New York, N. Y.
Application October 29, 1943, Serial No. 111,537
Term of patent 7 years
(Cl. 70—2)



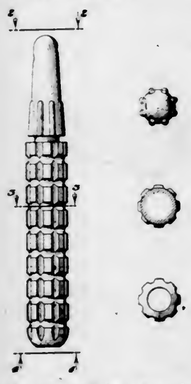
The ornamental design for a sewing machine feeding attachment for producing spiral stitching, as shown.

137,519
DESIGN FOR A STOPPER FOR BABIES' MILK BOTTLES OR SIMILAR ARTICLES
Nat P. Steckler, New York, N. Y.
Application April 12, 1943, Serial No. 109,960
Term of patent 3½ years
(Cl. 58—10)



The ornamental design for a stopper for babies' milk bottles or similar articles, as shown.

137,520
DESIGN FOR AN ELECTRIC WELDING ROD HOLDER
Florian E. Trinajstich, Los Angeles, Calif.
Application August 28, 1943, Serial No. 111,121
Term of patent 7 years
(Cl. 26—1)



The ornamental design for an electric welding rod holder, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbett & Macke, Covington, Ky. New and reconditioned surgical blades. Serial No. 466,520; Mar. 21. Class 44.
Al's Potato Company. (See McConn, Alfred W.)
American Platinum Works, The, Newark, N. J. Silver brazing alloys and semifabricated articles of precious metals and their alloys. Serial No. 465,970; Mar. 21. Class 14.
American Platinum Works, The, Newark, N. J. Dental golds and alloys and hypodermic needles. Serial No. 465,972; Mar. 21. Class 44.
America's Own Match Company, New York, N. Y. Matches. Serial Nos. 463,369–70; Mar. 21. Class 9.
America's Own Match Company, New York, N. Y. Matches. Serial No. 463,372; Mar. 21. Class 9.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Nail polish, lipsticks, and rouges. Serial No. 466,500; Mar. 21. Class 6.
Asche-Bandor Corporation, New York, N. Y. Whiskey. Serial No. 466,067; Mar. 21. Class 49.
B-T Company, Milwaukee, Wis. Wheeled wooden animals, etc. Serial No. 465,308; Mar. 21. Class 22.
Barnard, Geo. D., Stationery Company, St. Louis, Mo. Combination letterheads and envelopes. Serial No. 463,089; Mar. 21. Class 37.
Bay West Paper Company, Green Bay, Wis. Paper towels. Serial No. 465,792; Mar. 21. Class 37.
Berns Specialty Manufacturing Company. (See Bernstein, Samuel M.)
Bernstein, Samuel M., doing business as Berns Specialty Manufacturing Company, Chicago, Ill. Electric fans. Serial No. 462,088; Mar. 21. Class 21.
Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial No. 459,651; Mar. 21. Class 42.
California Turkey Industries. (See Foster, Harold E.)
Campana Sales Company, Batavia, Ill. Colognes and perfumery. Serial No. 466,252; Mar. 21. Class 6.
Carla Shoe Company, Boston, Mass. Shoes made of leather, fabric and rubber, etc. Serial No. 466,211; Mar. 21. Class 39.
Charles of the Ritz, Inc., New York, N. Y. Perfumes, toilet waters, and bath salts. Serial No. 466,404; Mar. 21. Class 6.
Chlorine Solutions, Inc., Los Angeles, Calif. Liquid and solid deodorants. Serial No. 465,527; Mar. 21. Class 6.
Christina, Vincent, & Co. Inc., New York, N. Y. Preparation for treatment of female sex hormone deficiencies. Serial No. 462,333; Mar. 21. Class 6.
Collins, Ashton B., doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Circulars, booklets, and printed advertising material. Serial Nos. 466,430–1; Mar. 21. Class 38.
Colonial Process Supply Co., New York, N. Y. Paints in paste form, varnishes, and lacquers. Serial No. 463,228; Mar. 21. Class 16.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 465,894; Mar. 21. Class 6.
Crowe Name Plate & Manufacturing Co., Chicago, Ill. Decorated base metal radio cabinets. Serial No. 465,980; Mar. 21. Class 32.
Dennis Chemical Co., St. Louis, Mo. Compound for removing paint, lacquer, etc. from the hands. Serial No. 466,344; Mar. 21. Class 4.
Dunnell, Warren W., doing business as Sani-Gard Cover Company, Los Angeles, Calif. Toilet seat covers. Serial No. 453,099; Mar. 21. Class 37.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic chemicals. Serial No. 465,945; Mar. 21. Class 6.
Elsworth, W., Co., The, assignor to William E. Pelcher, New Haven, Conn. Foot ointment. Serial No. 465,796; Mar. 21. Class 6.
Excello Accessories Manufacturers, Inc., Hempstead, N. Y. Fuses for use in electrical circuits in automobiles and airplanes. Serial No. 465,842; Mar. 21. Class 21.
F–R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 465,901; Mar. 21. Class 38.
F–R Publishing Corporation, The, New York, N. Y. Magazine column. Serial Nos. 465,905–8; Mar. 21. Class 38.
F–R Publishing Corporation, The, New York, N. Y. Magazine column. Serial Nos. 465,910–11; Mar. 21. Class 38.
F–R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 465,913; Mar. 21. Class 38.
Fabric Chemicals Co., Jersey City, N. J. Cleaning and detergent compound. Serial No. 466,038; Mar. 21. Class 4.
Federal Waterproofing Company, Indianapolis, Ind. Membrane forming, concrete curing liquid. Serial No. 465,021; Mar. 21. Class 12.
Firestone Tire & Rubber Company, The, Akron, Ohio. Thermal insulation material. Serial No. 466,215; Mar. 21. Class 12.
Flako Products Corporation, Milltown, N. J. Prepared mix for making popovers. Serial No. 466,644; Mar. 21. Class 46.
Forest City Products, Inc., Cleveland, Ohio. Medicated corn pads, medicated corn plaster, etc. Serial No. 459,539; Mar. 21. Class 6.
Foster, Harold E., doing business as California Turkey Industries, Artesia, Calif. Eggs for use by hatcheries. Serial No. 462,009; Mar. 21. Class 46.
Gallowhur Chemical Corporation, Windsor, Vt. Cough drops. Serial No. 466,376; Mar. 21. Class 6.
Gates Rubber Company, The, Denver, Colo. Power transmission belts. Serial No. 465,201; Mar. 21. Class 35.
Genender Sales & Supplies, Chicago, Ill. Pocket knives and razor blades. Serial No. 464,695; Mar. 21. Class 23.
Gertz Distributing Company. (See Gertz, Samuel M.)
Gertz, Samuel M., doing business as Gertz Distributing Company, Chicago, Ill. Candy. Serial No. 467,032; Mar. 21. Class 46.
Golden West Products Company, Los Angeles, Calif. Marmalade. Serial No. 466,648; Mar. 21. Class 46.
Goldmark Hosiery Co. (See Newmark, Samuel F.)
Gould, William M., Houston, Tex. Roach insecticide. Serial No. 463,516; Mar. 21. Class 6.
Granat Bros., Inc., San Francisco, Calif. Engagement, wedding and other rings. Serial No. 457,295; Mar. 21. Class 28.
Grant, Richard H., San Francisco, Calif. Fire-proof asbestos-cement. Serial No. 463,297; Mar. 21. Class 12.
Grant, W. T., Company, New York, N. Y. Shirts made of flannel or flannelette for men. Serial No. 466,217; Mar. 21. Class 39.
Green & Green. (See Green, Albert T.)
Green, Albert T., doing business as Green & Green, New York, N. Y. Soap chips, soap flakes, soap powder, etc. Serial No. 465,457; Mar. 21. Class 4.
Griscom & Company, Incorporated, New York, N. Y. Animal and poultry feeds for live stock, etc. Serial No. 461,849; Mar. 21. Class 46.
Gundlach, George P., Norwood, Cincinnati, Ohio. Processed product made from wheat flour, etc. Serial No. 464,967; Mar. 21. Class 46.
Haering, D. W., & Co., Inc., Chicago, Ill. Chemical product. Serial No. 465,805; Mar. 21. Class 6.
Harmonic Reed Corporation, Philadelphia, Pa. Harmonicas. Serial No. 466,613; Mar. 21. Class 36.
Haythornthwaite & Sons Limited, Burnley, England. Piece goods wholly or mainly of cotton. Serial No. 463,672; Mar. 21. Class 42.
Hill Manufacturing Company, Atlanta, Ga. Silver polish. Serial No. 464,995; Mar. 21. Class 4.
Indian Arts and Crafts Board, Washington, D. C. Horse bridles. Serial No. 466,388; Mar. 21. Class 3.
Indian Arts and Crafts Board, Washington, D. C. Bells, boxes, bracelets, etc. Serial No. 466,391; Mar. 21. Class 28.
Indian Arts and Crafts Board, Washington, D. C. Bags, baskets, wooden bowls, etc. Serial No. 466,492; Mar. 21. Class 2.
Indian Arts and Crafts Board, Washington, D. C. Dolls and children's toy canoes. Serial No. 466,494; Mar. 21. Class 22.
International Harvester Company, Chicago, Ill. Milk coolers, condensing units, water coolers, etc. Serial Nos. 466,577–9; Mar. 21. Class 31.
J. S. Products Corp., New York, N. Y. Chemical compound. Serial No. 458,241; Mar. 21. Class 6.
Jackson Industries. (See Krechman, David.)
Kalep, Elvy, New York, N. Y. Toy consisting of a miniature paratrooper with a parachute attached. Serial No. 466,329; Mar. 21. Class 22.
Keeve, Frank, New York, N. Y. Tooth powder. Serial No. 465,682; Mar. 21. Class 6.
KelRay Knitting Mills. (See Krumholz & Lichtblau.)
Knox Stove Works, Knoxville, Tenn. Coal and wood burning heating stoves. Serial No. 466,200; Mar. 21. Class 34.
Krechman, David, doing business as Jackson Industries, Chicago, Ill. Toy pistols. Serial No. 466,652; Mar. 21. Class 22.
Krechman, David, doing business as Jackson Industries, Chicago, Ill. Toy pistols. Serial No. 466,674; Mar. 21. Class 22.
Krumholz & Lichtblau, doing business as KelRay Knitting Mills, New York, N. Y. Knitted and woven ladies', misses' and children's panties, step-ins, etc. Serial No. 459,936; Mar. 21. Class 39.
Krumholz & Lichtblau, doing business as KelRay Knitting Mills, New York, N. Y. Ladies', misses', and children's panties, step-ins, bloomers, etc. Serial No. 460,739; Mar. 21. Class 39.

Larson, M., Company, Chicago, Ill. Dental inlays, dental jacket crowns, dental bridgework, etc. Serial No. 452,506; Mar. 21. Class 44.
Lawrence, Stephen, Co. (See Reich, Leonard.)
Loma Machine Manufacturing Co., Inc., New York, N. Y. Machines. Serial No. 465,813; Mar. 21. Class 23.
Manhattan Shirt Company, The, New York, N. Y. Bathing trunks and bathing suits. Serial No. 466,704; Mar. 21. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. Serial No. 466,762; Mar. 21. Class 39.
McConn, Alfred W., doing business as Al's Potato Company, Moorhead, Minn. Potatoes in their natural state. Serial No. 466,381; Mar. 21. Class 46.
McLaughlin, F. P., Yuba City, Calif. Fresh deciduous fruits. Serial No. 466,764; Mar. 21. Class 46.
Michael, David, & Co., Philadelphia, Pa. Food flavoring extracts. Serial No. 466,618; Mar. 21. Class 46.
National Oil Products Company, Harrison, N. J. Cutting oil. Serial Nos. 464,670–3; Mar. 21. Class 15.
National Publishing Company, Philadelphia, Pa. Bibles, testaments, prayer and similar books. Serial No. 466,455; Mar. 21. Class 38.
Nazareth Waist Co., Nazareth, Pa. Infants' and children's waist suits, shirts, panties, etc. Serial No. 466,360; Mar. 21. Class 39.
Ness, Sidney F., doing business under the name Vaness, Chicago, Ill. Liquid shave cream. Serial No. 462,545; Mar. 21. Class 4.
Newmark, Samuel F., doing business as Goldmark Hosiery Co., New York, N. Y. Hosiery. Serial No. 459,792; Mar. 21. Class 39.
Nyal Company, Detroit, Mich. Foot powder. Serial No. 455,671; Mar. 21. Class 6.
Oliver, Alex, doing business as U. S. Knitwear Company, Baltimore, Md. Sports apparel for women and girls. Serial No. 466,205; Mar. 21. Class 39.
O'Neil, James R., doing business as J. R. O'Neil, San Francisco, Calif. Numbered disk tossing game. Serial No. 465,764; Mar. 21. Class 22.
Parfums Blanchard, New York, N. Y. Perfumes, toilet waters, bath powders and lotions. Serial No. 466,539; Mar. 21. Class 6.
Parfums Renel. (See Reich, Leonard.)
Parker Appliance Company, The, Cleveland, Ohio. Printed publication. Serial No. 466,100; Mar. 21. Class 38.
Paul, Peter, Inc., Naugatuck, Conn. Candy. Serial No. 466,705; Mar. 21. Class 46.
Pelcher, William E. (See Elsworth, W., Co., assignor.)
Poling Chemical Co. (Se Poling, Guy H.)
Poling, Guy H., doing business as Poling Chemical Co., Minneapolis, Minn. Liquid antiseptic. Serial No. 463,001; Mar. 21. Class 6.
Practical Supply Co., Inc., Chicago, Ill. Game consisting of a cardboard or paper base having printed matter thereon, etc. Serial No. 465,008; Mar. 21. Class 22.
Reddy Kilowatt. (See Collins, Ashton B.)
Reich, Leonard, doing business as Stephen Lawrence Co. and Parfums Renel, Mount Vernon, N. Y. Perfumes. Serial No. 465,956; Mar. 21. Class 6.
Reichhold Chemicals, Inc., Detroit, Mich. Resins. Serial No. 463,103; Mar. 21. Class 1.
Reine, Inc., New York, N. Y. Perfumes and cosmetics. Serial No. 461,809; Mar. 21. Class 6.
Richmond Rubber Co. Inc., Richmond, Va. Tires of ruber, fabric, synthetic rubber, etc. Serial No. 465,957; Mar. 21. Class 35.
Roberts, David, Waukesha, Wis. Goat's milk. Serial No. 449,921; Mar. 21. Class 46.
Robins Conveyors Incorporated, Passaic, N. J. Vibrating screen separating machines, etc. Serial No. 465,577; Mar. 21. Class 23.
Robinson, Hanson, Haverford, Pa. Card game. Serial No. 464,618; Mar. 21. Class 22.
Royal Curtain Manufacturing Co., Hyde Park, Mass. Curtains made of cotton. Serial No. 463,358; Mar. 21. Class 42.
Rohm & Haas Company, Philadelphia, Pa. Electrical insulating materials in the form of films, etc. Serial No. 466,551; Mar. 21. Class 21.
Rubel, John, doing business as John Rubel Co., New York, N. Y. Brooches, bracelets, necklaces, etc. Serial No. 464,623; Mar. 21. Class 28.
Ruiz Bros., Guadalupe, Calif. Fresh vegetables. Serial No. 466,770; Mar. 21. Class 46.
Sani-Gard Cover Company. (See Dunnell, Warren W.)
Servel, Inc., Evansville, Ind., and New York, N. Y. Lubricating oil. Serial No. 466,490; Mar. 21. Class 15.
Sherman Bros. Manufacturing Co. Inc., South Norwalk, Conn. Ladies' and misses' shoes and slippers, etc. Serial No. 464,799; Mar. 21. Class 39.
Simpson, Wesley, Inc., New York, N. Y. Rayon, cotton, wool, worsted, and silk piece goods. Serial No. 465,832; Mar. 21. Class 42.
Sleepmaster Products Company, Inc., Newark, N. J. Matresses, bed springs, box springs, etc. Serial No. 465,467; Mar. 21. Class 32.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Insecticide. Serial No. 466,517; Mar. 21. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Ready-mixed paints and paint pastes. Serial No. 466,749; Mar. 21. Class 16.
Southern Spring Bed Company, Atlanta, Ga. Beds, bed springs, mattresses, etc. Serial No. 467,139; Mar. 21. Class 32.
Speare Supply Company, The, Chicago, Ill. Laundry sour. Serial No. 466,625; Mar. 21. Class 6.
Specific Pharmaceuticals, Inc., New York, N. Y. Antispasmodic preparation. Serial No. 466,628; Mar. 21. Class 6.
Standard Brands Incorporated, New York, N. Y. Non-irradiated dried yeast; irradiated dried yeast; ergosterol, etc. Serial No. 465,720; Mar. 21. Class 6.
Steinway & Sons, New York, N. Y. Resin bonded wood furniture. Serial No. 465,833; Mar. 21. Class 32.
Superior Olive Products Co., Visalia, Calif. Olive products. Serial Nos. 466,368–9; Mar. 21. Class 46.
Tardiff, George E., Woodridge, N. J. Row boats, sail boats, and outboard motor boats. Serial No. 465,157; Mar. 21. Class 19.
Thoma, Arthur J., Springfield, Mass. Periodical published from time to time. Serial No. 461,938; Mar. 21. Class 38.
Tremco Manufacturing Company, The, Cleveland, Ohio. Caulking and pointing compounds, etc. Serial No. 466,180; Mar. 21. Class 12.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 464,863; Mar. 21. Class 2.
U. S. Knitwear Company. (See Oliver, Alex.)
Vanadium-Alloys Steel Company, Latrobe, Pa. Punch and chisel steel. Serial No. 466,560; Mar. 21. Class 14.
Vaness. (See Ness, Sidney F.)
Vejin, Inc., Cincinnati, Ohio. Lanolin substitute. Serial No. 466,598; Mar. 21. Class 6.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Food flavoring extract. Serial No. 465,620; Mar. 21.
Wechsler, Jacob, & Sons, New York, N. Y. Suspenders, belts, garters, etc. Serial No. 465,934; Mar. 21. Class 39.
Weekly Publications, Inc., New York, N. Y. Maps. Serial No. 465,377; Mar. 21. Class 38.
Weinreich Brothers Co. (See Weinreich, Sol E.)
Weinreich, Sol E., doing business as Weinreich Brothers Co., New York, N. Y. Pearl necklaces, pearls and jewelry. Serial No. 465,837; Mar. 21. Class 28.
Wertheimer McGuin Seed Co., Ligonier, Ind. Field seeds, clover seeds, timothy seeds, etc. Serial No. 464,561; Mar. 21. Class 1.
Wisconsin Chemical Products Company, Milwaukee, Wis. Rubber cement. Serial No. 466,187; Mar. 21. Class 5.
Your Health Publications, Inc., New York, N. Y. Magazine. Serial No. 454,818; Mar. 21. Class 38.
Zenith Radio Corporation, Chicago, Ill. Electron tubes. Serial No. 461,704; Mar. 21. Class 21.
Zenith Radio Corporation, Chicago, Ill. Electrical hearing aids and parts thereof. Serial No. 467,058; Mar. 21. Class 44.
Zenith Radio Corporation, Chicago, Ill. Electrical hearing aids and parts thereof. Serial No. 467,060; Mar. 21. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Chemical Company, Milwaukee, Wis. Compound for cleaning, sterilizing, and polishing dishes, pots, and silverware, etc. 406,277; Mar. 21; Serial No. 463,856; published Jan. 11, 1944. Class 4.
Acme Chemical Company, Milwaukee, Wis. Cleaning and polishing compound for glass. 406,278; Mar. 21; Serial No. 463,857; published Jan. 11, 1944. Class 4.
Acme Chemical Company, Milwaukee, Wis. Spray deodorant and disinfectant. 406,279; Mar. 21; Serial No. 463,859; published Jan. 11, 1944. Class 6.
Acme Chemical Company, Milwaukee, Wis. Liquid wax for application chiefly to wood, linoleum, etc. 406,311; Mar. 21. Class 16.
Ajax Flexible Coupling Co., Inc., Westfield, N. Y. Vibratory conveyors. 406,288; Mar. 21; Serial No. 464,296; published Jan. 11, 1944. Class 23.
Alamo Fruit & Vegetable Exchange, Inc., Alamo, Tex. Fresh citrus fruits. 406,246; Mar. 21; Serial No. 428,183; published Dec. 21, 1943. Class 46.
American Safety Razor Corporation, New York and Brooklyn, to American Safety Razor Corporation, Brooklyn, N. Y. Safety razors, safety-razor blades, metal safety-razor frames, etc. 185,378; renewed June 17, 1944.
American Safety Razor Corporation, Brooklyn, N. Y. Safety-razor sets. 182,375; renewed Apr. 8, 1944.

Ashton, James, Baron, doing business as Jas. Williamson & Son, assignor to Jas. Williamson & Son Limited, Lancaster, England. Fabric for window shades. 179,852; renewed Feb. 19, 1944.
Ashton, James, Baron, doing business as Jas. Williamson & Son, assignor to Jas. Williamson & Son Limited, Lancaster, England. Linoleum. 179,857; renewed Feb. 19, 1944.
Ashton, James, Baron, doing business as Jas. Williamson & Son, assignor to Jas. Williamson & Son Limited, Lancaster, England. Oil fabrics for floor coverings, table coverings, etc. 179,851; renewed Feb. 19, 1944.
Atlantic Mills, Providence, R. I., assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Piece goods. 184,786; renewed June 3, 1944.
Atlantic Mills, Providence, R. I. assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Piece goods. 183,594; renewed May 6, 1944.
B. & B. Toiletries, Chicago, Ill. Mosquito and chigger repellent cream. 406,263; Mar. 21; Serial No. 462,196; published Jan. 4, 1944. Class 6.
Barbasol Company, The, Indianapolis, Ind. Pastelike preparation for shaving, etc. 406,257; Mar. 21; Serial No. 460,083; published Jan. 11, 1944. Class 4.
Blue Diamond Coal Company, Knoxville, Tenn. Coal. 406,310; Mar. 21. Class 1.
Borden Company, The. (See Dry Milk Company, The, assignor.)
Borden Company, The. (See Reid Ice Cream Company, assignor.)
Bozeman Canning Company, Mt. Vernon, Wash. Canned corn. 406,300; Mar. 21; Serial No. 464,127; published Jan. 25, 1944. Class 46.
Bridgeman-Russell Company, Duluth, Minn. Butter and eggs. 184,661; renewed May 27, 1944.
Brillo Manufacturing Company, Brooklyn, N. Y. Aluminum cleanser. 186,273; renewed July 8, 1944.
Brillo Manufacturing Company, Brooklyn, N. Y. Drinking glasses, bowls, and jars. 186,628; renewed July 22, 1944.
Brillo Manufacturing Company, Brooklyn, N. Y. Chemical rust remover. 186,959; renewed July 22, 1944.
Bristol-Myers Company, New York, N. Y. Hand lotion. 406,301; Mar. 21; Serial No. 464,871; published Jan. 11, 1944. Class 6.
Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 186,705; renewed July 22, 1944.
Canada Dry Ginger Ale, Inc., assignor, by mesne assignments, to Canada Dry Ginger Ale, Incorporated, New York, N. Y. Ginger ale. 182,398; renewed Apr. 8, 1944.
Carnation Milk Products Company, Wilmington, Del., Seattle, Wash., and Oconomowoc, by change of name to Carnation Company, Milwaukee, Wis. Evaporated milk. 183,986; renewed May 13, 1944.
Carnation Milk Products Company, Seattle, Wash., assignor to Carnation Milk Products Company, assignor to Carnation Company, Milwaukee, Wis. Butter. 185,821; renewed June 24, 1944.
Carnation Company. (See Carnation Milk Products Company.)
Central Station Signals, Inc., New York, N. Y. Thermostats for automatic fire alarm signaling systems. 406,247; Mar. 21; Serial No. 443,652; published Oct. 28, 1941. Class 26.
Chain Belt Company, Milwaukee, Wis. Conveyers and elevators. 406,266; Mar. 21; Serial No. 462,656; published Jan. 11, 1944. Class 23.
Chemical Machinery Experiment Co., Inc., New York, N. Y., assignor, by mesne assignments, to Flakice Corporation, Wilmington, Del. Ice-manufacturing machines and parts thereof. 178,999; renewed Feb. 5, 1944.
Chemische Fabrik vormals Sandoz, Basel, Switzerland, assignor to Sandoz Chemical Works, Inc., New York, N. Y. Pharmaceutical products. 186,196; renewed July 1, 1944.
Chrestien, F. F., & Co. Ltd., Bombay, India, and London, England. Mica. 406,255–6; Mar. 21; Serial Nos. 458,089–90; published Jan. 11, 1944. Class 1.
Cleveland Shopping News Company, Cleveland, Ohio. Title of a newspaper. 186,969; renewed July 22, 1944.
Colorado Milling & Elevator Company, also doing business as The Fort Collins Flour Mills, Denver and Fort Collins, Colo. Self-rising flour. 187,184; renewed July 29, 1944.
Colorado Milling & Elevator Company, The, also doing business as the La Junta Flour Mills, Denver and La Junta, Colo. Wheat flour. 187,185; renewed July 29, 1944.
Cupples Company Manufacturers, St. Louis, Mo., assignor to The Worthington Ball Company, Elyria, Ohio. Golf balls. 179,925; renewed Feb. 19, 1944.
Dalare Associates, Philadelphia, Pa. Preparations to be used in the treatment of poison ivy dermatitis. 406,274; Mar. 21; Serial No. 463,619; published Jan. 11, 1944. Class 6.
Dean, Lela, doing business as Madame Lela Dean Hair Preparations, Detroit, Mich. Hair preparations. 406,307; Mar. 21. Class 6.
Dean, Madame Lela, Hair Preparations. (See Dean, Lela.)
Defender Photo Supply Co., Inc., Rochester, N. Y. Light-sensitive photographic paper. 406,265; Mar. 21; Serial No. 462,307; published Jan. 11, 1944. Class 26.
Delta Manufacturing Company, The, Milwaukee, Wis. Grinders with reciprocatory beds. 406,305; Mar. 21. Class 23.
Diamond K Vineyards, Exeter, Calif. Fresh fruit. 406,302; Mar. 21; Serial No. 464,940; published Jan. 11, 1944. Class 46.
Diebold, Incorporated, Canton, Ohio. Rotary type visible filing cases, etc. 406,270; Mar. 21; Serial No. 462,813; published Jan. 11, 1944. Class 32.
Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Handtools. 406,291; Mar. 21; Serial No. 464,432; published Jan. 11, 1944. Class 23.
Dry Milk Company, The, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Food product in powdered form. 185,670; renewed June 24, 1944.
Eisenstein, Louis, New York, N. Y. Men's apparel. 406,304; Mar. 21. Class 39.
Elco Grease and Oil Company, The. (See Elco Petroleum Company, The, assignor.)
Elco Petroleum Company, The, St. Louis, Mo., assignor, by mesne assignments, to The Elco Grease and Oil Company, Cleveland, Ohio. Gasoline. 187,280; renewed July 29, 1944.
Elhart Co., The, assignor to Anthony Ellner, doing business as The Elhart Co., New York, N. Y. Play suits, wash suits, flapper suits, etc. 184,813; renewed June 3, 1944.
Ellner, Anthony. (See Elhart Co., The, assignor.)
Eagle Discount Stamp Co., St. Louis, Mo., by change of name to Eagle Stamp Company. Trading or discount stamps and coupons. 186,896; renewed July 22, 1944.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Gear checking gauges. 406,290; Mar. 21; Serial No. 464,367; published Jan. 11, 1944. Class 26.
Eaton Manufacturing Company, Cleveland, Ohio. Tappets and poppet valves. 406,292; Mar. 21; Serial No. 464,433; published Dec. 28, 1943. Class 23.
Edna Brass Manufacturing Company, The, Cincinnati, Ohio. Locomotive lubricators, brake lubricators, hydrostative bull's-eye lubricators, etc. 186,720; renewed July 22, 1944.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Prophylactics. 185,724; renewed June 24, 1944.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Medicinal agents. 186,789; renewed July 22, 1944.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Chemical preparations. 186,952; renewed July 22, 1944.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Anodynes for nervous headaches, nausea, seasickness, etc. 186,973; renewed July 22, 1944.
Farwell & Rhines, to The Farwell & Rhines Co., Inc., Watertown, N. Y., successor. Flour, rolled, crushed or otherwise prepared wheat and other cereals. 24,919; re-renewed June 26, 1944.
Farwell & Rhines Co., Inc. (See Farwell & Rhines.)
Feldstein Bros. & Co., New York, N. Y. Men's and boys' caps. 183,422; renewed Apr. 29, 1944.
Fitzpatrick, W. J., Company, The, Chicago, Ill. Comminuting and mixing machines. 406,296; Mar. 21; Serial No. 464,647; published Jan. 11, 1944. Class 23.
Flakice Corporation. (See Chemical Machinery Experiment Co., Inc., assignor.)
Floquil Products, Inc., New York, N. Y. Writing and marking fluids and thinners and solvents therefor, and felt nib marking implements. 406,249; Mar. 21; Serial No. 452,825; published Jan. 11, 1944. Class 11.
Ford Motor Company, Dearborn, Mich. Industrial tractors and parts thereof. 406,268–9; Mar. 21; Serial Nos. 462,706–7; published Jan. 11, 1944. Class 23.
Fort Collins Flour Mills, The. (See Colorado Milling & Elevator Company.)
Gillette Safety Razor Company, Boston, Mass. Safety razors. 406,252–3; Mar. 21; Serial Nos. 456,770–1; publishcd Mar. 16, 1943. Class 23.
Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 406,275; Mar. 21; Serial No. 463,754; published Jan. 4, 1944. Class 23.
Grelva, Inc., New York, N. Y. Facial oil, and shaving aid and skin smoother, etc. 406,273; Mar. 21; Serial No. 463,458; published Jan. 11, 1944. Class 6.
Gusmer, A., Inc., Hoboken, N. J. Cleanser for copper, bronze, and brass. 406,272; Mar. 21; Serial No. 463,318; published Jan. 11, 1944. Class 4.
Hargroves Distributing Company, Dallas, Tex. Hair tonic. 406,306; Mar. 21. Class 6.
Hower, Harry C., Chicago, Ill. Pneumatic tires and tubes. 179,030; renewed Feb. 5, 1944.
Hyman, L., & Sons, New York, N. Y. Paper products. 406,316; Mar. 21. Class 37.
International Handkerchief Mfg. Co., New York, N. Y. Handkerchiefs. 187,084; renewed July 29, 1944.
International Handkerchief Mfg. Co., New York, N. Y. Handkerchiefs. 187,086; renewed July 29, 1944.

Jack & Heintz, Inc., Bedford, Ohio. Aircraft automatic pilot horizon and directional gyro control device. 406,251; Mar. 21; Serial No. 456,601; published Feb. 16, 1943. Class 26.

Johnson, Frank, New York, N. Y. Combined card game and quiz game. 406,261–2; Mar. 21; Serial Nos. 461,592–3; published Jan. 11, 1944. Class 22.

Juilliard, A. D., & Co., Inc. (See Atlantic Mills, assignor.)

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Leather shoes and slippers. 184,749; renewed June 3, 1944.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Shoes and slippers. 184,793; renewed June 3, 1944.

Kent-Moore Organization Inc., Detroit, Mich. Level compensating and angle indicating instrument. 406,289; Mar. 21; Serial No. 464,341; published Jan. 11, 1944. Class 26.

Klin Bros. Golf Mfg. Co. (See Klin, Urban A.)

Klin, Urban A., doing business as Klin Bros. Golf Mfg. Co., Homewood, to Urban A. Klin, doing business as Klin Bros. Golf Mfg. Co., Chicago, Ill. Golf clubs. 178,886; renewed Jan. 29, 1944.

Kono, Alexander, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y. Eyeglasses and spectacle frames and parts therefor. 406,248; Mar. 21; Serial No. 452,505; published Jan. 11, 1944. Class 26.

Kono, Alexander, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y. Eyeglasses and spectacle frames and parts therefor. 406,250; Mar. 21; Serial No. 456,400; published Jan. 11, 1944. Class 26.

Kono Manufacturing Company. (See Kono, Alexander.)

La Junta Flour Mills. (See Colorado Milling & Elevator Company, The.)

Lamson & Sessions Company, The, Cleveland, Ohio. Bolts. 186,609; renewed July 22, 1944.

Libby, McNeill & Libby, Chicago, Ill. Fresh, prepared, pickled, and canned beef, veal, pork, etc. 186,522; renewed July 22, 1944.

Libby, McNeill & Libby, Chicago, Ill. Fresh, prepared, pickled, and canned beef, veal, pork, etc. 186,823; renewed July 22, 1944.

Lockheed Aircraft Corporation. (See Vega Aircraft Corporation, assignor.)

Manson, Alexander, doing business as Manson, Chicago, Ill. After shave lotions. 406,280; Mar. 21; Serial No. 464,026; published Jan. 11, 1944. Class 6.

Mapes Piano String Co., The, New York, N. Y. Strings for musical string instruments. 406,312; Mar. 21. Class 36.

Marinello Company, La Crosse, Wis., assignor, by mesne assignments, to Sales Affiliates, Inc., New York, N. Y. Rouge and face powder. 178,792; renewed Jan. 29, 1944.

McCloskey & Co., Philadelphia, Pa. Light weight aggregate. 406,258; Mar. 21; Serial No. 460,530; published Jan. 11, 1943. Class 12.

McCreery, James, & Company, New York, N. Y. Frocks and dresses. 185,599; renewed June 24, 1944.

McDowell, Bert, Company, Inc. (See Mebius & Drescher Co.)

McLaurin-Jones Co., Brookfield, Mass. Coated label paper. 187,126; renewed July 29, 1944.

McLintock, D. C., Co., Newark, N. J. Surgical bandages. 406,294; Mar. 21; Serial No. 464,514; published Jan. 11, 1944. Class 44.

Mebius & Drescher Co., to The Bert McDowell Company, Inc., Sacramento, Calif., successor. Canned fruit, fruit salad, canned grapefruit, etc. 186,820; renewed July 22, 1944.

Midland Steel Products Company, The, Cleveland, Ohio. Air and vacuum power brake equipment and parts of such equipment. 406,254; Mar. 21; Serial No. 457,595; published Jan. 11, 1944. Class 19.

Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 185,648; renewed June 24, 1944.

National Cigar Corporation, Wilmington, Del., Frankfort, Ind., and Cincinnati, Ohio. Cigars. 406,293; Mar. 21; Serial No. 464,486; published Jan. 11, 1944. Class 17.

Natural Gas Odorizing Company, Baton Rouge, La. Preparation used for odorizing natural gas. 406,281; Mar. 21; Serial No. 464,062; published Jan. 11, 1944. Class 6.

Nonik Glassware Corporation, The, New York, N. Y., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Table glassware. 184,940; renewed June 3, 1944.

Nordberg Manufacturing Company, Milwaukee, Wis. Crushing machinery for use in crushing coal or stone, etc. 406,303; Mar. 21.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Enameled wire for electrical purposes or uses. 406,284; Mar. 21; Serial No. 464,229; published Jan. 11, 1944. Class 21.

O. M. S. Corporation, Belle Center, Ohio. Animal and poultry feed, etc. 406,276; Mar. 21; Serial No. 463,756; published Jan. 11, 1944. Class 46.

Ohio Chemical & Mfg. Co., The, Cleveland, Ohio. Liquid soap. 406,317; Mar. 21. Class 4.

Osborn Paper Company, Marion, Ind. Writing tablets, school tablets, envelopes, etc. 180,690; renewed Mar. 4, 1944.

Owens–Illinois Glass Company. (See Nonik Glassware Corporation, The, assignor.)

Penn-Champ Oil Corporation, Butler, Pa. Dry cleaner. 406,271; Mar. 21; Serial No. 462,886; published Jan. 11, 1944. Class 4.

Perfect Power Corporation, Chicago, Ill. Lacquers, varnish, ready-mixed paint, etc. 406,260; Mar. 21; Serial No. 461,054; published Jan. 4, 1944. Class 16.

Petcoff, Vladimir M., Detroit, Mich. Cleaner for metals and machinery and also for cleaning the hands. 406,267; Mar. 21; Serial No. 462,688; published Jan. 11, 1944. Class 4.

Pinaud, Incorporated, New York, N. Y. Eau de cologne and dusting powder. 406,297; Mar. 21; Serial No. 464,720; published Jan. 11, 1944. Class 6.

Reid Ice Cream Company, Brooklyn, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Ice cream. 186,189; renewed July 1, 1944.

Reid, Murdoch & Co., Chicago, Ill. Toothpicks. 406,259; Mar. 21; Serial No. 460,536; published Jan. 11, 1944. Class 44.

Riverbank Cannery, Inc., assignor, by mesne assignments, to Riverbank Canning Company, Riverbank, Calif. Canned fruits, vegetables, and tomato paste, etc. 186,786; renewed July 22, 1944.

Riverbank Canning Company. (See Riverbank Cannery, Inc., assignor.)

Rosenau Bros. Inc., assignor to Rosenau Brothers, Philadelphia, Pa. Children's dresses. 184,814; renewed June 3, 1944.

Sales Affiliates, Inc. (See Marinello Company, assignor.)

Sandoz Chemical Works, Inc. (See Chemische Fabrik vormals Sandoz, assignor.)

Santa Clara Pear Association. (See Weston, Will B., assignor.)

Saunders Valve Company of America, Inc., New York, N. Y. Diaphragm valves. 406,315; Mar. 21. Class 13.

Schainman, H. & M., Sportwear, New York, N. Y. Women's and misses' sport jackets, skirts, suits, etc. 406,299; Mar. 21; Serial No. 464,797; published Jan. 25, 1944. Class 39.

Schindelbeck, Valentine J., Boonton, N. J. End mills, milling cutters, reamers, etc. 406,309; Mar. 21. Class 23.

Service Supply Corporation, Philadelphia, Pa. Tractor mounted cranes. 406,282–3; Mar. 21; Serial Nos. 464,205–6; published Dec. 21, 1943. Class 23.

Shotwell Mfg. Co., The, Chicago, Ill. Chocolate-covered candy bar. 180,800; renewed Mar. 4, 1944.

Smith, Edward, Packing Co., Buffalo, N. Y. Fresh meats. 186,731; renewed July 22, 1944.

Smith, Leroy R., Alhambra, Calif. Oil filters used for crankcase for filtration. 406,314; Mar. 21. Class 31.

Sophia Company, Inc. (See Sophia Hair Stores Company.)

Sophia Hair Stores Company, New York, N. Y., by change of name to Sophia Company, Inc. Powder puffs. 183,224; renewed Apr. 22, 1944.

Sophia Hair Stores Co., Inc., New York, N. Y., by change of name Sophia Company, Inc. Soaps and soap preparations. 185,121; renewed June 10, 1944.

Sophia Hair Stores Co., Inc., New York, N. Y., by change of name to Sophia Company, Inc. Safety pins, toilet pins, hairpins, etc. 186,920; renewed July 22, 1944.

Springbrook Packing Co. Cooperative, Springbook, Oreg. Canned fruits and vegetables. 406,285; Mar. 21; Serial No. 464,276; published Jan. 11, 1944. Class 46.

Springbrook Packing Co. Cooperative, Springbrook, Oreg. Canned fruits. 406,286–7; Mar. 21; Serial Nos. 464,277–8; published Jan. 11, 1944. Class 46.

Stahmer Coal Company, Chicago, Ill. Coal. 406,295; Mar. 21; Serial No. 464,629; published Jan. 11, 1944. Class 1.

Stoddard Brothers, Inc., Hartford, Conn. Laxative preparation. 406,298; Mar. 21; Serial No. 464,734; published Jan. 11, 1944. Class 6.

Streine Tool & Manufacturing Company, The, New Bremen, Ohio. Corrugating and crimping machines, power squaring, and gap shears, etc. 186,178; renewed July 1, 1944.

Stuart, J. & W., Limited. (See Stuarts & Jacks.)

Stuarts & Jacks, Limited, Musselburgh, Scotland, by change of name to J. & W. Stuart, Limited. Twines for fishing nets. 179,024; renewed Feb. 5, 1944.

Stuarts & Jacks, Limited, Musselburgh, Scotland, by change of name to J. & W. Stuart, Limited. Fishing nets. 178,841; renewed Jan. 29, 1944.

Sullivan, R. G., Estate, assignor to R. G. Sullivan Incorporated, Manchester, N. H. Cigars. 183,038; renewed Apr. 22, 1944.

Sullivan, R. G., Estate, assignor to R. G. Sullivan Incorporated, Manchester, N. H. Cigars. 183,039; renewed Apr. 22, 1944.

Sullivan, R. G., Incorporated. (See Sullivan, R. G., Estate, assignor.)

Twin City Shellac Co., New York, to Twin City Shellac Co. Inc., Brooklyn, N. Y. Prepared shellac. 184,470; renewed May 27, 1944.

United Gilsonite Laboratories, Scranton, Pa. Roof paints and paint pigments, etc. 406,264; Mar. 21; Serial No. 462,240; published Jan. 4, 1944. Class 16.

Universal Homewares Corporation, Detroit, Mich. Door fasteners. 406,308; Mar. 21.

Valentine's Meat Juice Company, Richmond, Va. Extracts for meat and compounds thereof. 186,909; renewed July 22, 1944.

Valentine's Meat Juice Company, Richmond, Va. Extracts of meat and compounds thereof. 186,910–11; renewed July 22, 1944.

Vanity Fair Mills, Inc. (See Vanity Fair Silk Mills.)

Vanity Fair Silk Mills, Reading, Pa., by change of name to Vanity Fair Mills, Inc. Bandeaux, bloomers, brasichemise, etc. 183,424; renewed Apr. 29, 1944.

Vega Aircraft Corporation, Burbank, Calif., assignor to Lockheed Aircraft Corporation. Airplanes and structural parts therefor. 406,313; Mar. 21. Class 19.

Weston Electrical Instrument Company, assignor to Weston Electrical Instrument Corporation, Newark, N. Y. Electrical measuring instruments. 186,822; renewed July 22, 1944.

Weston, Will B., assignor to Santa Clara Pear Association, Santa Clara, Calif. Fresh pears. 187,187; renewed July 29, 1944.

Williamson, Jas., & Son Limited. (See Ashton, James, Baron.)

Winthrop Chemical Company, Inc. (See Farbenfabriken vorm. Friedr. Bayer & Co., assignor.)

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 181,142; renewed Mar. 11, 1944.

Worthington Ball Company, The. (See Cupples Company Manufacturers, assignor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Blue Diamond Coal Company. 406,310; Mar. 21.

Coal. Stahmer Coal Company. 406,295; Mar. 21; Serial No. 464,629; published Jan. 11, 1944.

Mica. F. F. Chrestien & Co. Ltd. 406,255–6; Mar. 21; Serial Nos. 458,089–90; published Jan. 11, 1944.

CLASS 4

Cleaner, Dry. Penn-Champ Oil Corporation. 406,271; Mar. 21; Serial No. 462,886; published Jan. 11, 1944.

Cleaner for metals and machinery and also for cleaning he hands. V. M. Petcoff. 406,267; Mar. 21; Serial No. 462,688; published Jan. 11, 1944.

Cleaning and polishing compound for glass. Acme Chemical Company. 406,278; Mar. 21; Serial No. 463,857; published Jan. 11, 1944.

Cleanser, Aluminum. Brillo Manufacturing Company. 186,273; renewed July 8, 1944.

Cleanser for copper, bronze, and brass. A. Gusmer, Inc. 406,272; Mar. 21; Serial No. 463,318; published Jan. 11, 1944.

Compound for cleaning, sterilizing and polishing dishes, pots, and silverware, etc. Acme Chemical Company. 406,277; Mar. 21; Serial No. 463,856; published Jan. 11, 1944.

Preparation for shaving, etc., Pastelike. The Barbasol Company. 406,257; Mar. 21; Serial No. 460,083; published Jan. 11, 1944.

Soap, Liquid. Ohio Chemical & Mfg. Co. 406,317; Mar. 21.

Soaps and soap preparations. Sophia Hair Stores Co. 185,121; renewed June 10, 1944.

CLASS 6

Anodynes for nervous headaches, nausea, seasickness, etc. Farbenfabriken vorm. Friedr. Bayer & Co. 186,973; renewed July 22, 1944.

Chemical preparations. Farbenfabriken vorm. Friedr. Bayer & Co. 186,952; renewed July 22, 1944.

Chemical rust remover. Brillo Manufacturing Company. 186,959; renewed July 22, 1944.

Cream, Mosquito and chigger repellent. B. & B. Toiletries. 406,263; Mar. 21; Serial No. 462,196; published Jan. 4, 1944.

Deodorant and disinfectant, Spray. Acme Chemical Company. 406,279; Mar. 21; Serial No. 463,859; published Jan. 11, 1944.

Eau de cologne and dusting powder. Pinaud, Incorporated. 406,297; Mar. 21; Serial No. 464,720; published Jan. 11, 1944.

Laxative preparation. Stoddard Brothers, Inc. 406,298; Mar. 21; Serial No. 464,734; published Jan. 11, 1944.

Lotion, Hand. Bristol-Myers Company. 406,301; Mar. 21; Serial No. 464,871; published Jan. 11, 1944.

Lotions, After shave. A. Manson. 406,280; Mar. 21; Serial No. 464,026; published Jan. 11, 1944.

Medicinal agents. Farbenfabriken vorm. Friedr. Bayer & Co. 186,789; renewed July 22, 1944.

Oil, and shaving aid and skin smoother, etc., Facial. Grelva, Inc. 406,273; Mar. 21; Serial No. 463,458; published Jan. 11, 1944.

Pharmaceutical products. Chemische Fabrik vormals Sandoz. 186,196; renewed July 1, 1944.

Powder, Rouge and face. Marinello Company. 178,792; renewed Jan. 29, 1944.

Preparation used for odorizing natural gas. Natural Gas Odorizing Company. 406,281; Mar. 21; Serial No. 464,062; published Jan. 11, 1944.

Preparations, Hair. L. Dean. 406,307; Mar. 21.

Preparations to be used in the treatment of poison ivy dermatitis. Dalare Associates. 406,274; Mar. 21; Serial No. 463,619; published Jan. 11, 1944.

Prophylactics. Farbenfabriken vorm. Friedr. Bayer & Co. 185,724; renewed June 24, 1944.

Tonic, Hair. Hargroves Distributing Company. 406,306; Mar. 21.

CLASS 7

Twines for fishing nets. Stuarts & Jacks, Limited. 179,024; renewed Feb. 5, 1944.

CLASS 11

Fluids and thinners and solvents therefor, and felt nib marking implements, Writing and marking. Floquil Products, Inc. 406,249; Mar. 21; Serial No. 452,825; published Jan. 11, 1944.

CLASS 12

Aggregate, Light weight. McCloskey & Co. 406,258; Mar. 21; Serial No. 460,530; published Jan. 11, 1944.

CLASS 13

Bolts. Lamson & Sessions Company. 186,609; renewed July 22, 1944.

Valves, Diaphragm. Saunders Valve Company of America, Inc. 406,315; Mar. 21.

CLASS 15

Gasoline. Elco Petroleum Company. 187,280; renewed July 29, 1944.

CLASS 16

Lacquers, varnish, ready-mixed paint, etc. Perfect Power Corporation. 406,260; Mar. 21; Serial No. 461,054; published Jan. 4, 1944.

Paints and paint pigments, etc., Roof. United Gilsonite Laboratories. 406,264; Mar. 21; Serial No. 462,240; published Jan. 4, 1944.

Shellac, Prepared. Twin City Shellac Co. 184,470; renewed May 27, 1944.

Wax for application chiefly to wood, linoleum, etc., Liquid. Acme Chemical Company. 406,311; Mar. 21.

CLASS 17

Cigars. National Cigar Corporation. 406,293; Mar. 21; Serial No. 464,486; published Jan. 11, 1944.

Cigars. R. G. Sullivan Estate. 183,038; renewed Apr. 22, 1944.

Cigars. R. G. Sullivan Estate. 183,039; renewed Apr. 22, 1944.

CLASS 19

Airplanes and structural parts therefor. Vega Aircraft Corporation. 406,313; Mar. 21.

Brake equipment and parts of such equipment, Air and vaccum power. Midland Steel Products Company. 406,254; Mar. 21; Serial No. 457,595; published Jan. 11, 1944.

CLASS 20

Linoleum. James, Baron Ashton. 179,857; renewed Feb. 19, 1944.

Oil fabrics for floor coverings, table coverings, etc. James, Baron Ashton. 179,851; renewed Feb. 19, 1944.

CLASS 21

Wire for electrical purpose or uses, Enameled. North American Philips Company. 406,284; Mar. 21; Serial No. 464,229; published Jan. 11, 1944.

CLASS 22

Balls, Golf. Cupples Company Manufacturers. 179,925; renewed Feb. 19, 1944.

Balls, Golf. Worthington Ball Company. 181,142; renewed Mar. 11, 1944.

Card game and quiz game, Combined. F. Johnson. 406,261–2; Mar. 21; Serial Nos. 461,592–3; published Jan. 11, 1944.

Clubs, Golf. U. A. Klin. 178,886; renewed Jan. 29, 1944.

Nets, Fishing. Stuarts & Jacks, Limited. 178,841; renewed Jan. 29, 1944.

CLASS 23

Blades, Safety razor. Gillette Safety Razor Company. 406,275; Mar. 21; Serial No. 463,754; published Jan. 4, 1944.
Comminuting and mixing machines. W. J. Fitzpatrick Company. 406,296; Mar. 21; Serial No. 464,647; published Jan. 11, 1944.
Conveyers and elevators. Chain Belt Company. 406,266; Mar. 21; Serial No. 462,656; published Jan. 11, 1944.
Conveyers, Vibratory. Ajax Flexible Coupling Co. 406,288; Mar. 21; Serial No. 464,296; published Jan. 11, 1944.
Corrugating and crimping machines, power squaring and gap shears, etc. Streine Tool & Manufacturing Company. 186,178; renewed July 1, 1944.
Cranes, Tractor mounted. Service Supply Corporation. 406,282–3; Mar. 21; Serial Nos. 464,205–6; published Dec. 21, 1943.
Crushing machinery for use in crushing coal or stone, etc. Nordberg Manufacturing Company. 406,303; Mar. 21.
Grinders with reciprocatory beds. Delta Manufacturing Company. 406,305; Mar. 21.
Locomotive lubricators, brake lubricators, hydrostative bull's-eye lubricators, etc. Edna Brass Manufacturing Company. 186,720; renewed July 22, 1944.
Mills, milling cutters, reamers, etc., End. V. J. Schindelbeck. 406,309; Mar. 21.
Razors, Safety. Gillette Safety Razor Company. 406,252–3; Mar. 21; Serial Nos. 456,770–1; published Mar. 16, 1943.
Razors, safety-razor blades, metal safety-razor frames, etc., Safety. American Safety Razor Corporation. 185,378; renewed June 17, 1944.
Sets, Safety-razor. American Safety Razor Corporation. 182,375; renewed Apr. 8, 1944.
Tappets and poppet valves. Eaton Manufacturing Company. 406,292; Mar. 21; Serial No. 464,433; published Dec. 28, 1943.
Tools, Hand. Henry Disston & Sons, Incorporated. 406,291; Mar. 21; Serial No. 464,432; published Jan. 11, 1944.
Tractors and parts thereof, Industrial. Ford Motor Company. 406,268–9; Mar. 21; Serial Nos. 462,706–7; published Jan. 11, 1944.

CLASS 25

Fasteners, Door. Universal Homewares Corporation. 406,308; Mar. 21.

CLASS 26

Aircraft automatic pilot horizon and directional gyro control device. Jack & Heintz, Inc. 406,251; Mar. 21; Serial No. 456,601; published Feb. 16, 1943.
Electrical measuring instruments. Weston Electrical Instrument Company. 186,822; renewed July 22, 1944.
Eyeglasses and spectacle frames and parts therefor. A. Kono. 406,248; Mar. 21; Serial No. 452,505; published Jan. 11, 1944.
Eyeglasses and spectacle frames and parts therefor. A. Kono. 406,250; Mar. 21; Serial No. 456,400; published Jan. 11, 1944.
Gauges. Gear checking. Eastman Kodak Company. 406,290; Mar. 21; Serial No. 464,367; published Jan. 11, 1944.
Level compensating and angle indicating instrument. Kent-Moore Organization Inc. 406,289; Mar. 21; Serial No. 464,341; published Jan. 11, 1944.
Paper, Light-sensitive photographic. Defender Photo Supply Co. 406,265; Mar. 21; Serial No. 462,307; published Jan. 11, 1944.
Thermostats for automatic fire alarm signaling systems. Central Station Signals, Inc. 406,247; Mar. 21; Serial No. 443,652; published Oct. 28, 1941.

CLASS 29

Puffs, Powder. Sophia Hair Stores Company. 183,224; renewed Apr. 22, 1944.

CLASS 31

Filters, used for crankcase oil filtration, Oil. L. R. Smith. 406,314; Mar. 21.
Ice-manufacturing machines and parts thereof. Chemical Machinery Experiment Co. 178,999; renewed Feb. 5, 1944.

CLASS 32

Filing cases, etc., Rotary type visible. Diebold, Incorporated. 406,270; Mar. 21; Serial No. 462,813; published Jan. 11, 1944.

CLASS 33

Glasses, bowls, and jars, Drinking. Brillo Manufacturing Company. 186,628; renewed July 22, 1944.
Glassware, Table. Nonik Glassware Corporation. 184,940; renewed June 3, 1944.

CLASS 35

Tires and tubes, Pneumatic. H. C. Hower. 179,039; renewed Feb. 5, 1944.

CLASS 36

Strings for musical string instruments. Mapes Piano String Co. 406,312; Mar. 21.

CLASS 37

Label paper, Coated. McLaurin-Jones Co. 187,126; renewed July 29, 1944.
Paper products. L. Hyman & Sons. 406,316; Mar. 21.
Tablets, school tablets, envelopes, etc., Writing. Osborn Paper Company. 180,690; renewed Mar. 4, 1944.

CLASS 38

Stamps and coupons, Trading or discount. Eagle Discount Stamp Co. 186,896; renewed July 22, 1944.
Title of a newspaper. Cleveland Shopping News Company. 186,969; renewed July 22, 1944.

CLASS 39

Apparel, Men's. L. Eisenstein. 406,304; Mar. 21.
Bandeaux, bloomers, brasiehemise, etc. Vanity Fair Silk Mills. 183,424; renewed Apr. 29, 1944.
Caps, Men's and boys'. Feldstein Bros & Co. 183,422; renewed Apr. 29, 1944.
Dresses, Children's. Rosenau Bros. Inc. 184,814; renewed June 3, 1944.
Frocks and dresses. James McCreery & Company. 185,599; renewed June 24, 1944.
Handkerchiefs. International Handkerchief Mfg. Co. 187,084; renewed July 29, 1944.
Handkerchiefs. International Handkerchief Mfg. Co. 187,086; renewed July 29, 1944.
Shoes. Brown Shoe Company. 186,705; renewed July 22, 1944.
Shoes and slippers. Kaufmann Department Stores, Inc. 184,793; renewed June 3, 1944.
Shoes, and slippers, Leather. Kaufmann Department Stores, Inc. 184,749; renewed June 3, 1944.
Suits, wash suits, flapper suits, etc., Play. Elhart Co. 184,813; renewed June 3, 1944.
Women's and misses' sport jackets, skirts, suits, etc. H. & M. Schainman Sportwear. 406,299; Mar. 21; Serial No. 464,797; published Jan. 25, 1944.

CLASS 40

Notions. Sophia Hair Stores Co. 186,920; renewed July 22, 1944.

CLASS 42

Fabric for window shades. James, Baron Ashton. 179,852; renewed Feb. 19, 1944.
Piece goods. Atlantic Mills. 183,594; renewed May 6, 1944.
Piece goods. Atlantic Mills. 184,786; renewed June 3, 1944.
Piece goods, Cotton. Minot, Hooper & Co. 185,648; renewed June 24, 1944.

CLASS 44

Bandages, Surgical. D. C. McLintock Co. 406,294; Mar. 21; Serial No. 464,514; published Jan. 11, 1944.
Toothpicks. Reid, Murdoch & Co. 406,259; Mar. 21; Serial No. 460,536; published Jan. 11, 1944.

CLASS 45

Ginger ale. Canada Dry Ginger Ale, Inc. 182,398; renewed Apr. 8, 1944.

CLASS 46

Beef, veal, pork, etc., Fresh, prepared, pickled, and canned. Libby, McNeill & Libby. 186,522; renewed July 22, 1944.
Beef, veal, pork, etc., Fresh, prepared, pickled and canned. Libby, McNeill & Libby. 186,823; renewed July 22, 1944.
Butter. Carnation Milk Products Company. 185,821; renewed June 24, 1944.
Butter and eggs. Bridgeman-Russell Company. 184,661; renewed May 27, 1944.
Candy bar, Chocolate-covered. Shotwell Mfg. Co. 180,800; renewed Mar. 4, 1944.
Canned fruits, vegetables, and tomato paste, etc. Riverbank Cannery, Inc. 186,786; renewed July 22, 1944.
Canned fruits, fruit salad, canned grapefruit, etc. Mebius & Drescher Co. 186,820; renewed July 22, 1944.
Corn, Canned. Bozeman Canning Company. 406,300; Mar. 21; Serial No. 464,127; published Jan. 25, 1944.
Extracts of meat and compounds thereof. Valentine's Meat Juice Company. 186,909–11; renewed July 22, 1944.
Feed, etc., Animal and poultry. O. M. S. Corporation. 406,276; Mar. 21; Serial No. 463,756; published Jan. 11, 1944.
Flour, rolled, crushed or otherwise prepared wheat and other cereals. Farwell & Rhines. 24,919; re-renewed June 26, 1944.
Flour, Self-rising. Colorado Milling & Elevator Company. 187,184; renewed July 29, 1944.

Flour, Wheat. Colorado Milling & Elevator Company. 187,185; renewed July 29, 1944.
Food product in powdered form. Dry Milk Company. 185,670; renewed June 24, 1944.
Fruit, Fresh. Diamond K Vineyards. 406,302; Mar. 21; Serial No. 464,940; published Jan. 11, 1944.
Fruits and vegetables, Canned. Springbrook Packing Co. Cooperative. 406,285; Mar. 21; Serial No. 464,276; published Jan. 11, 1944.
Fruits, Canned. Springbrook Packing Co. Cooperative. 406,286–7; Mar. 21; Serial Nos. 464,277–8; published Jan. 11, 1944.
Fruits, Fresh citrus. Alamo Fruit & Vegetable Exchange, Inc. 406,246; Mar. 21; Serial No. 428,183; published Dec. 21, 1943.
Ice cream. Reid Ice Cream Company. 186,189; renewed July 1, 1944.
Meats, Fresh. Edward Smith Packing Co. 186,731; renewed July 22, 1944.
Milk, Evaporated. Carnation Milk Products Company. 183,986; renewed May 13, 1944.
Pears, Fresh. W. B. Weston. 187,187; renewed July 29, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1944

NOTE.---Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

O'Kelly, Arlie A., Woodbury, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation process. Re. 22,458; Mar. 21.

Socony-Vacuum Oil Company. (See O'Kelly, A. A., and Work, assignors.)

Work, Robert H. (See O'Kelly, A. A., and Work.)

LIST OF PLANT PATENTEES

Baxter, Frederick K., assignor to Gem City Vineland Company, Nauvoo, Ill. Apple tree. 619; Mar. 21.

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 620; Mar. 21.

Gem City Vineland Company. (See Baxter, Frederick K., assignor.)

Hill, Joseph H., Company. (See Byrum, Roy L., assignor.)

LIST OF DESIGN PATENTEES

Asay, Lillian M., Camden, N. J. Headlight bulb. 137,508; Mar. 21.

Becker, George A., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum pump. 137,485; Mar. 21.

Bernhard, Jessie B., Birmingham, Ala. Shirt. 137,509; Mar. 21.

Cheek, Landon N., assignor to R. P. Schield, Nashville, Tenn. Game board. 137,486; Mar. 21.

Coro, Inc. (See Katz, Adolph, assignor.)

Donahue, James P., Oak Park, Ill. Toy military tank. 137,488; Mar. 21.

Duhrssen, Alfred, New York, N. Y. Plate or similar article. 137,489; Mar. 21.

Eisele, Logan, Nashville, Tenn. Infant feeding bottle. 137,510; Mar. 21.

Eitel-McCullough, Inc. (See Becker, George A., assignor.)

Flynt, Robert C., assignor to New Enterprises, Winston-Salem, N. C. Figure toy. 137,490; Mar. 21.

Generale, John T., Pelham Manor, N. Y. Wheeled toy. 137,477; Mar. 21.

Giovagnoni, Violet, New York, N. Y. Pajama ensemble. 137,491; Mar. 21.

Gruber, Abe, New York, N. Y. Suit. 137,492; Mar. 21.

Gruber, Abe, New York, N. Y. Suit. 137,493; Mar. 21.

Gruber, Abe, New York, N. Y. Suit. 137,494; Mar. 21.

Jaccobson, Alfred M., Denver, Colo. Combined cutlery grinder guide and whetting disk. 137,495; Mar. 21.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 137,511; Mar. 21.

Klainbard, Isidore, New York, N. Y. Sewing machine feeding attachment for producing spiral stitching. 137,518; Mar. 21.

Kono, Alexander, et al. (See Smith, Edward W., Jr., assignor.)

Kono Manufacturing Company, et al. (See Smith, Edward W., Jr.)

Laure, George R., assignor to The Upjohn Company, Kalamazoo, Mich. Container for capsules, tablets, or similar articles. 137,512; Mar. 21.

Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Night latch or similar article. 137,478; Mar. 21.

Lustig, Leroy F., Shaker Heights, Ohio. Device for holding capsules, pills, and the like. 137,496; Mar. 21.

Martin, James H., Chicago, Ill. Coupon sorting and dispensing receptacle. 137,479; Mar. 21.

McCormick, Charles E., Dearborn, Mich. Cigarette tray. 137,513; Mar. 21.

Michelin, Marcel, assignor to Pinaud Incorporated, New York, N. Y. Display card. 137,480; Mar. 21.

Moglen, Maxwell D., New York, N. Y. Picture frame. 137,497; Mar. 21.

Moglen, Maxwell D., New York, N. Y. Picture frame. 137,498; Mar. 21.

New Enterprises. (See Flynt, Robert C., assignor.)

Pappert, Emanuel, Flushing, N. Y. Spectacle frame or similar article. 137,481; Mar. 21.

Pinaud Incorporated. (See Michelin, Marcel, assignor.)

Pitts, Thomas D., Glen Ridge, assignor to Toy Creations Inc., Jersey City, N. J. Gameboard or similar article. 137,482; Mar. 21.

Poe, Frances, Wilmette, Ill. Cookie jar. 137,514; Mar. 21.

Randolph, Joseph, New York, N. Y. Convertible furniture unit. 137,515; Mar. 21.

Rosenbaum, Norman M., New York, N. Y. Embroidered trimming or similar article. 137,499; Mar. 21.

Schield, R. Pete. (See Cheek, Landon N., assignor.)

Smallman, Samuel J., New York, N. Y. Billfold. 137,500; Mar. 21.

Smith, Edward W., Jr., Flushing, assignor to Alexander Kono, doing business under the name of Kono Manufacturing Company, Woodside, Long Island, N. Y. Pair of spectacles. 137,501; Mar. 21.

Steckler, Nat P., New York, N. Y. Stopper for babies' milk bottles or similar articles. 137,519; Mar. 21.

Steffens, August, Union City, N. J. Woven braid. 137,516; Mar. 21.

Steffens, August, Union City, N. J. Woven braid. 137,517; Mar. 21.

Swanson, Roy C., St. Paul, Minn. Camera holder. 137,483; Mar. 21.

Swanson, Roy C., St. Paul, Minn. Camera holder. 137,484; Mar. 21.

Thompson, Arthur E., Marysville, Calif. Deep water fishing tackle. 137,502; Mar. 21.

Toy Creations Inc. (See Pitts, Thomas D., assignor.)

Trinajstich, Florian E., Los Angeles, Calif. Electric welding rod holder. 137,520; Mar. 21.

Trude, Mary, Los Angeles, Calif., assignor to Women's Ambulance and Defense Corps. Badge or the like. 137,503; Mar. 21.

Upjohn Company, The. (See Laure, George R., assignor.)

Van Cleef Bros. (See Van Cleef, Felix, assignor.)

Van Cleef, Felix, assignor to Van Cleef Bros., Chicago, Ill. Temporary seal for the ends of tubes. 137,487; Mar. 21.

Walther, John L., New York, N. Y. Woven textile fabric. 137,504; Mar. 21.

Wells, Ida M., Los Angeles, Calif. Foldable double deck bed. 137,505; Mar. 21.

Winders, Frank A., Savannah, Ga. Combined dial and hand for clock or similar article. 137,506; Mar. 21.

Women's Ambulance and Defense Corps. (See Trude, Mary, assignor.)

Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)

Zahn, Samuel, New York, N. Y. Dress. 137,507; Mar. 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Gilford D., Butterfield, assignor of nine-sixteenths to F. P. Sizer, Monett, Mo. Milk bottle. 2,344,485; Mar. 21.

Adams, Loyd, Maywood, Calif., assignor to Calavo Growers of California, Los Angeles, Calif. Box dumping apparatus. 2,344,664; Mar. 21.

Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel spool construction. 2,344,665; Mar. 21.

Adolph, Norman W. (See Watt, S. B., and Adolph.)

Ager, William E., Bristol, Va. Valve. 2,344,913; Mar. 21.

Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Asbill, Clarence M., Jr., assignor.)

Ajax Manufacturing Company, The. (See Criley, William W., assignor.)

Alien Property Custodian. (See Johnsen, Henry.)

Allee, Herbert D., Grosse Pointe, Mich. Gasoline tank filler. 2,344,582; Mar. 21.

Allen-Bradley Company. (See Quast, William J., assignor.)

Allen-Bradley Company. (See Stong, Karl K., assignor.)

Allied Chemical & Dye Corporation. (See Cline, Edwin L., assignor.)

American Can Company. (See Eckman, George E., assignor.)

American Can Company. (See Taylor, Russell C., assignor.)

American Car and Foundry Company. (See Shields, Robert A., assignor.)

American Chicle Company. (See Hartwig, C. E., and Lougovoy, assignors.)

American Cyanamid Company. (See Kuh, Erwin, assignor.)

American Cyanamid Company. (See Oldham, Wilbur N., assignor.)

American Cyanamid Company. (See Ripper, Kurt E., assignor.)

American Cyanamid Company. (See Stearns, Edwin I., Jr., assignor.)

American Cyanamid Company. (See West, Herbert J., assignor.)

American Fork & Hoe Company. (See Wood, Conrad, assignor.)

American Hyalsol Corporation. (See Bertsch, Heinrich, assignor.)

American Machine & Foundry Company. (See Arelt, Charles, assignor.)

American Metal Company, Limited. (See Monson, Walter T., assignor.)

Andres, Lloyd J., Chicago, Ill. Remote controller. 2,344,914; Mar. 21.

Annin, Douglas H., Oakland, Calif., assignor to Fluid Control Engineering Co. Flow control apparatus. 2,344,583; Mar. 21.

Apex Scale & Manufacturing Company. (See Eisner, Edwin J., assignor.)

Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. High speed cigarette packaging machine. 2,344,666; Mar. 21.

Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Feeler construction for package stampers. 2,344,667; Mar. 21.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,344,529; Mar. 21.

Armstrong Cork Company. (See Schwan, August R., assignor.)

Arvins, Nathan A., and A. A. Arvintz, Brooklyn, N. Y., assignors to Seal-O-Strain Corporation. Filling and straining device. 2,344,486; Mar. 21.

Arvintz, Abraham A. (See Arvins, N. A., and Arvintz.)

Asbill, Clarence M., Jr., New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Materials-conveying flue. 2,344,528; Mar. 21.

Askew, John D., Atlanta, Ga. Humidity controller. 2,344,530; Mar. 21.

Austin, Ellsworth W., assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa. Implement for tractors. 2,344,584; Mar. 21.

Avens, Alfred W. (See Pearce, G. W., and Avens.)

Axtmann, Clarence G., Sacramento, Calif. Sighting device. 2,344,668; Mar. 21.

Bailey, Otterbein A., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Lifter roof. 2,344,499; Mar. 21.

Bailey, William J. A., Packanack Lake, N. J., assignor to International Business Machines Corporation, New York, N. Y. Device for analyzing perforated data appearing in adjacent fields of record media. 2,344,585; Mar. 21.

Baldeschwieler, Agnes R., Asbury Park, N. J. Sling. 2,344,844; Mar. 21.

Baldeschwieler, Agnes R., Asbury Park, N. J. Apron. 2,344,845; Mar. 21.

Baldwin Locomotive Works, The. (See Fullerton, Herbert S., assignor.)

Bally Ribbon Mills, Inc. (See Harries, George H., assignor.)

Barker, Maurice E., Washington, D. C., P. E. Young, Fairhaven, Mass., and J. N. Bruce, Edgewood Arsenal, Md., assignors to The Secretary of War of the United States. Dust respirator. 2,344,669; Mar. 21.

Bardwell, Dwight C., Syracuse, assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Process for the production of salts. 2,344,929; Mar. 21.

Barlett, Helen B., Flint, assignor to General Motors Corporation, Detroit, Mich. Processing mica. 2,344,670; Mar. 21.

Barrans, William T., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand covering apparatus. 2,344,586; Mar. 21.

Bartlett, Jeffrey H. (See Lynch, C. S., and Bartlett.)

Bassist, Ellis, assignor to W. C. Toland, as trustee, Brookline, Mass. Preparing printing plates. 2,344,487; Mar. 21.

Bay West Paper Company. (See Vaughan, F. P., Krueger, Slye, and Engel, assignors.)

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole positioning device. 2,344,531; Mar. 21.

Beach, Clarence E., Binghamton, N. Y. Signaling system. 2,344,500; Mar. 21.

Bell Telephone Laboratories, Incorporated. (See Hartley, Ralph V. L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pfleger, Kenneth W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Swezey, Burdette S., assignor.)

Bendix Aviation Corporation. (See Frazier, Radford K., assignor.)

Bennett, Charles E., Ridgewood, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,344,501; Mar. 21.

Berg, Bernhard, New York, N. Y. Pliable reinforced ornament. 2,344,846; Mar. 21.

Berner, Leo, San Jose, assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif. Winch construction. 2,344,587; Mar. 21.

Berry, Clyde F., Manchester, N. H. Engine valve mechanism. 2,344,847; Mar. 21.

Berry, Wallace S., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Steering gear. 2,344,848; Mar. 21.

Bertsch, Heinrich, Rabenstein, near Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del. Higher molecular alcohols. 2,344,671; Mar. 21.

Bigelow, Newell M. (See Lubs, H. A., and Bigelow.)

Bilofsky, Maxwell M. (See Whittaker, John D., assignor.)

Blasier, Herbert, Arcadia, Calif. Measuring earth potentials. 2,344,672; Mar. 21.

Blauvelt Associates, Inc. (See Blauvelt, Warren S., assignor.)

Blauvelt, Warren S., Ann Arbor, Mich., assignor to Blauvelt Associates, Inc., Troy, N. Y. Heat transfer device. 2,344,588; Mar. 21.

Bliss, E. W., Company. See Groll, Alvin F., assignor.)

Bliss, E. W., Company. (See Krueger, Frank, assignor.)

Bliss, E. W., Company. (See Williamson, Larkin R., assignor.)

Bogner, Peter, assignor to Saml. Hanson & Son, Limited, London, England. Soldering device. 2,344,589; Mar. 21.

Boice, William B., Toledo, Ohio. Woodworking machine. 2,344,502; Mar. 21.

Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)

Bowen, S. R., Co. (See Phipps, John T., assignor.)

Bowling, Robert T., assignor to Potlatch Forests, Inc., Lewiston, Idaho. Forming composite boards. 2,344,488; Mar. 21.

Boyer, Raymond F., L. A. Matheson, and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Light stabilized vinylidene chloride product. 2,344,489; Mar. 21.

Brach, L. S., Mfg. Corp. (See Brach, Leon S., assignor.)

Brach, Leon S., East Orange, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Antenna operating reel. 2,344,490; Mar. 21.

Brantingson, Sigurd, Hamden, assignor to Sargent & Company, New Haven, Conn. Door latch. 2,344,532; Mar. 21.

Brazier, Charlie, Guntersville, Ala. Holder for ice cream cones. 2,344,937; Mar. 21.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Spiral oil filter. 2,344,590; Mar. 21.

Bridgeport Brass Company. (See Ferguson, John E.)

Bried, Julien A., Berkeley, assignor to Enterprise Engine & Foundry Company, San Francisco, Calif. Hammermill feed end. 2,344,591; Mar. 21.

Briggs, Thomas H. and W. H., assignors to Burman & Sons Limited, Birmingham, England. Vehicle steering mechanism. 2,344,797; Mar. 21.

Briggs, Walter H. (See Briggs, Thomas H. and W. H.)

British Insulated Cables Limited. (See Hargreaves, E. S., and Steward, assignors.)

Britton, Edgar C., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Esters of 4-teritarybutyl-phenoxy-alkylols. 2,344,491; Mar. 21.

Brown, Joseph H., and J. S. Watt, Stockton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Manufacture of organic esters. 2,344,798; Mar. 21.

Brown, Lowell H., Waukesha, Wis. Safety roller coupling. 2,344,673; Mar. 21.

Brown, Thomas B., and M. L. Stansell, Dayton, Ohio. Archery bow. 2,344,799; Mar. 21.

Brown, Zena, Chicago, Ill. Seatless undergarment. 2,344,674; Mar. 21.

Brownlee, Robert L., Chicago, Ill. Power take-off clutch. 2,344,592; Mar. 21.

Brownlee, Robert L., Chicago, Ill. Clutch drive. 2,344,593; Mar. 21.

Brubaker, Francis W., Portland, Ind. Air nozzle. 2,344,492; Mar. 21.

Bruce, John N. (See Barker, M. E., Young, and Bruce.)

Bruce, Leonard, New Castle, Ind. Casting rod. 2,344,533; Mar. 21.

Brush Development Company, The. (See James, J. H., and Miller, assignors.)

Bryant, Corwin W., Downers Grove, assignor to Crane Co., Chicago, Ill. Motor operated toggle valve. 2,344,594; Mar. 21.

Bryant, Cuno, Multnomah County, Oreg. Film developing holder for motion picture films. 2,344,493; Mar. 21.

Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)

Bucknam, James H., and A. J. Miller, Cranford, and S. H. Royer, Elizabeth, N. J., assignors to The Linde Air Products Company. Method of and apparatus for strip welding. 2,344,534; Mar. 21.

Buffalo Forge Company. (See Tucker, William C., assignor.)

Burau, William E. (See Ferris, L. F., Sklaar, and Burau.)

Burkhart, James K., et al. (See Sperry, D. E., and Landess, assignors.)

Burman & Sons Limited. (See Briggs, Thomas H. and W. H., assignors.)

Burts, Edgar D., Columbus, Ga. Recording mechanism. 2,344,675; Mar. 21.

Butcher, Maude L., Seattle, Wash. Cabinet. 2,344,800; Mar. 21.

Butler Jones (Nameplates) Limited. (See Butler-Jones, Walter R., assignor.)

Butler-Jones, W. R., Sydenham, London, assignor to Butler Jones (Nameplates) Limited, Lower Sydenham, London, England. Copy holding appliance and copies for use in engraving machines. 2,344,849; Mar. 21.

Calavo Growers of California. (See Adams, Loyd, assignor.)

California Flaxseed Products Company. (See Lasher, Edward A., assignor.)

Calow, Gretchen and O., Albany, N. Y. Indicator micrometer. 2,344,595; Mar. 21.

Calow, Otto. (See Calow, Gretchen and O.)

Camp, William M., Glen Ridge, assignor to The Clark Thread Company, Newark, N. J. Coating glass thread. 2,344,494; Mar. 21.

Carmina, Alfred R., Brooklyn, N. Y. Gauging and sorting machine. 2,344,596; Mar. 21.

Carson, Clearance A., et al. (See Foster, Sampson D., assignor.)

Celanese Corporation of America. (See Mann, R. J., Martin, and Harmer, assignors.)

Certain-Teed Products Corporation. (See Codwise, Philip W., assignor.)

Chambart, James J. and J., New York, N. Y. Garment construction. 2,344,915; Mar. 21.

Chambart, Josephine. (See Chambart, James J. and J.)

Chamberlin, Merle H., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonstaining coated fabric. 2,344,495; Mar. 21.

Champion Paper and Fibre Company, The. (See Munro, George C., assignor.)

Chase, Edwin R., Sacramento, Calif. Condiment holder. 2,344,801; Mar. 21.

Chaston, Jack C., and K. S. G. Pertwee, Harrow, assignors to Johnson, Matthey & Co. Limited, London, England. Electrode for sparking plugs. 2,344,597; Mar. 21.

Cherry, Sidney J. (See Knochel, W. J., and Cherry.)

Chicago Bridge & Iron Company. (See Bailey, Otterbein A., assignor.)

Chicago Forging & Manufacturing Company. (See Howe, Earl, assignor.)

Chicago Forging & Manufacturing Company. (See Krause, Walter H., assignor.)

Chronotype Corporation. (See Cooney, Peter A., assignor.)

Church, Walter L., Houston, Tex. Wall scraper and well logging tool. 2,344,598; Mar. 21.

Cities Service Oil Company. (See Morgan, J. D., and Lang, assignors.)

Clark, Edward H., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Feeder for sensitizing ingredients. 2,344,599; Mar. 21.

Clark, Frederick G., assignor to Eastman Machine Company, Buffalo, N. Y. Automatic control mechanism. 2,344,535; Mar. 21.

Clark Thread Company, The. (See Camp, William M., assignor.)

Clarke, William W. (See Zademach, E. R., and Clarke.)

Clemm, John A., III. (See Newman, Strother M., assignor.)

Cline, Edwin L., Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Process for producing a resin of the indene-styrene-homolog coumarone type. 2,344,676; Mar. 21.

Cloud, Kenneth. (See Ginn, E., and Cloud.)

Cluett, George B., 2d. (See Lake, Thomas A. E., assignor.)

Clydesdale, Alexander, Jr., et al. (See Ingram, Bernard J.)

Codwise, Philip W., Kenmore, assignor to Certain-Teed Products Corporation, New York, N. Y. Wallboard. 2,344,600; Mar. 21.

Coey, Stewart C., Glen Ridge, and J. W. Spiselman, Middlesex Borough, N. J., assignors to Research Corporation, New York, N. Y. Space sterilization. 2,344,536; Mar. 21.

Colby, Ralph E. (See McNutt, J. F., and Colby.)

Cole, Alfred R., Mountsorrel, England. Latch needle. 2,344,850; Mar. 21.

Coleman, Gerald H. (See Britton, E. C., and Coleman.)

Collins, Howard W., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Treatment of fibrous glass. 2,344,601; Mar. 21.

Cone, Ralph R., Augusta, Ga. Pile fabric. 2,344,537; Mar. 21.

Conradt, Walter, Kenosha, Wis. Internal combustion engine. 2,344,496; Mar. 21.

Container Corporation of America. (See D'Esposito, Julian, assignor.)

Continental Motors Corporation. (See Ginn, E., and Cloud, assignors.)

Cook, Earle S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,344,851; Mar. 21.

Cooney, Peter A., assignor to Chronotype Corporation, Chicago, Ill. Time and production recorder. 2,344,497; Mar. 21.

Cornell, Charles A., Johnstown, Ohio. Tire patch. 2,344,677; Mar. 21.

Coward, William H., New Rochelle, N. Y. Micrometer. 2,344,498; Mar. 21.

Crane Co. (See Bryant, Corwin W., assignor.)

Crawford, Loyal F., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,344,602; Mar. 21.

Crawford, Thomas D., R. L. Woodall, and A. G. Osterberg, Hammond, Ind. Steam engine valve mechanism. 2,344,802; Mar. 21.

Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Forging shovel sockets and the like. 2,344,803; Mar. 21.

Crosby, George A., Park Ridge, assignor to Signode Steel Strapping Company, Chicago, Ill. Binder strap seal. 2,344,804; Mar. 21.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency divider network. 2,344,678; Mar. 21.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Beam phase detector. 2,344,679; Mar. 21.

Crow, John T. (See Johnson, Herbert H., assignor.)

Crowley, Edward C., Rhinebeck, N. Y. Tubular body. 2,344,538; Mar. 21.

Crum, Roland R., et al. (See Sperry, D. E., and Landess, assignors.)

Culpepper, William L. (See Landis, C. R., and Culpepper.)

Cuozzo, Michele, Lynn, Mass. Lasting shoes. 2,344,503; Mar. 21.

Czapek, Emil, New York, N. Y. Machine for making cellulose sheets and the like. 2,344,603; Mar. 21.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door lock. 2,344,805; Mar. 21.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door lock. 2,344,806; Mar. 21.

Dana, Leo I., Buffalo, and G. H. Zenner, Kenmore, N. Y., assignors to The Linde Air Products Company. Method of and apparatus for storing liquefied gas mixtures. 2,344,765; Mar. 21.

Davidson Manufacturing Corporation. (See Hagelin, William T., assignor.)

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone cord connecting block. 2,344,766; Mar. 21.

De Cosmo, Michael, Oakland, assignor to A. M. Norza, San Francisco, Calif. Pouring spout. 2,344,680; Mar. 21.

De Gray, Jeremiah, Milwaukee, Wis. Trouser hanger. 2,344,604; Mar. 21.

De Groote, Melvin, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd. Salts of certain methylene diamines with certain petroleum sulphonic acids. 2,344,539; Mar. 21.

De Haes, Jerome, assignor of one-half to A. S. Malecki, Chicago, Ill. Cooking timer. 2,344,853; Mar. 21.

De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)

Dempsey, James R., San Francisco, Calif. Automobile signal. 2,344,854; Mar. 21.

Deschner, Richard E., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drawworks. 2,344,681; Mar. 21.

D'Esposito, Julian, Wilmette, assignor to Container Corporation of America, Chicago, Ill. Container. 2,344,852; Mar. 21.

Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,344,767; Mar. 21.

Dodge, James K. and M. W. Johnson, Albany, Calif. Ash tray. 2,344,682; Mar. 21.

Dodson, Edward, Puriton, near Bridgwater, England. Fluid operated means for controlling apparatus at a distance. 2,344,768; Mar. 21.

Dorbin Metal Strip Manufacturing Co. (See Shogren, Charles A., assignor.)

Dorfan, Morton I., assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Rack for dip coating sheetlike material. 2,344,855; Mar. 21.

Dotzer, Leonard, Milton, Mass. Grinding mill. 2,344,504; Mar. 21.

Dow Chemical Company, The. (See Boyer, R. F., Matheson, and Moyle, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Coleman, assignors.)

Dow Chemical Company, The. (See Harder, Ernest H., assignor.)

Dow Chemical Company, The. (See Owens, J. S., Heerema, and Stanton, assignors.)

Dow Chemical Company, The. (See Stoesser, Wesley C., assignor.)

Dow, Grove S., Jr., and G. W. Onksen, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Clamp and mounting bracket. 2,344,683; Mar. 21.

Dowd, Charles G., Baltimore, Md. Tool rack. 2,344,540; Mar. 21.

Drake, Edward P. (See Ryan, C. D., and Drake.)

Droegkamp, Gilbert H., Wauwatosa, Wis. Dental tool. 2,344,605; Mar. 21.

Drummond, Folsom E., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Applying coating films. 2,344,807; Mar. 21.

Duffield, Francis W. N., Barr Common, near Walsall, and P. J. H. Riley, Birmingham, England. Clevis joint. 2,344,808; Mar. 21.

Dunkerley, Harvey J., et al., executors. (See Hargreaves, E. S., and Steward.)

Du Pont, E. I., de Nemours & Company. (See Chamberlin, Merle H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Holt, Lee C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Jenemann, J. A., and Hollis, assignors.)

Du Pont, E. I., de Nemours & Company. (See Lemmerman, Paul C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Bigelow, assignors.)

Du Pont, E. I., de Nemours & Company. (See Tissari, Oscar W., assignor.)

Durning, James P., St. Albans, N. Y., assignor to International Cigar Machinery Company. Detachable transfer pocket. 2,344,769; Mar. 21.

Earle, Guyon L. C., Forest Hills, N. Y. Reinforcing hollow containers for gases under pressure. 2,344,856; Mar. 21.

Eastman Machine Company. (See Clark, Frederick G., assignor.)

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Electromagnetically operated switch. 2,344,809; Mar. 21.

Eckman, George E., New Milford, N. J., assignor to American Can Company, New York, N. Y. Container. 2,344,505; Mar. 21.

Edmonds, Eugene A., assignor to Henry Vogt Machine Co., Inc., Louisville, Ky. Double pipe expansion chiller. 2,344,606; Mar. 21.

Eisner, Edwin J., assignor to Apex Scale & Manufacturing Company, Kansas City, Mo. Weighing scale. 2,344,684; Mar. 21.

Electric Arc, Inc. (See Holslag, Claude J., assignor.)

Electric Steel Foundry. (See Younie, Lewis E., assignor.)

Elliott, Charles I., Sea Girt, N. J., assignor to Radio Corporation of America. Tube carton. 2,344,857; Mar. 21.

Elliott Company. (See McDermet, John R., assignor.)

Engel, John B. (See Vaughan, F. P., Krueger, Slye, and Engel.)

Enterprise Engine & Foundry Company. (See Bried, Julien A., assignor.)

Enterprise Engine & Foundry Company. (See Harris, Harry H., assignor.)

Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)

Eshbaugh, Jesse E., and C. W. McKinley, Flint, assignors to General Motors Corporation, Detroit, Mich. Directional signal switch. 2,344,685; Mar. 21.

Evans, Hector C. (See Young, D. W., and Evans.)

Fanselow, John R., Appleton, Wis., assignor to Paper Patents Company. Paper drier and method. 2,344,686; Mar. 21.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder device. 2,344,858; Mar. 21.

Ferguson, John E., Southbury, assignor to Bridgeport Brass Company, Bridgeport, Conn. Marking machine. 2,344,930; Mar. 21.

Ferris, Leo F., Buffalo, R. Sklaar, Rochester, and W. E. Burau, Buffalo, N. Y.; said W. E. Burau assignor to said L. F. Ferris and R. Sklaar. Advertising apparatus. 2,344,541; Mar. 21.

Field, Oscar S. (See Wight, S. N., and Field.)

Fike, Harry S., Miami Beach, Fla. Bicycle reflecting element. 2,344,542; Mar. 21.

Findlay, John H., Upper Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Re-entrant window for X-ray apparatus. 2,344,543; Mar. 21.

Fischer, Charles A., and D. T. Harbison, Fort Worth, and C. A. Mercer, Hawley, Tex. Pump plunger. 2,344,687; Mar. 21.

Flakice Corporation of New York. (See Raver, Francis M., assignor.)

Fluid Control Engineering Co. (See Annin, Douglas H., assignor.)

Folkrod, Cyril C., assignor, by mesne assignments, to Valentine Laboratories, Inc., Chicago, Ill. Emulsifying composition. 2,344,688; Mar. 21.

Foster, Julius E., Washington, D. C. Blasting machine. 2,344,544; Mar. 21.

Foster, Sampson D., Cordova, assignor of one-third to C. A. Carson, one-sixth to F. R. Wright, and one-sixth to G. I. Frazier, Memphis, Tenn. Permutation lock. 2,344,860; Mar. 21.

Fowler, Neil A., River Forest, assignor to General Box Company, Chicago, Ill. Slide-fastened closure construction for rigid containers. 2,344,861; Mar. 21.

Fox, Abraham L., Boulder City, Nev. Producing calcium boride. 2,344,859; Mar. 21.

Frazier, Guy I., et al. (See Foster, Sampson D., assignor.)

Frazier, Radford K., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable capacitor. 2,344,689; Mar. 21.

Fredendall, Gordon L., Westmont, and A. C. Schroeder, Camden, N. J., assignors to Radio Corporation of America. Synchronization of deflecting circuits. 2,344,810; Mar. 21.

Freer, Phelps M., Detroit, Mich. Brake. 2,344,690; Mar. 21.

Freer, Phelps M., Detroit, Mich. Brake. 2,344,691; Mar. 21.

Fullerton, Herbert S., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Die spotting press. 2,344,692; Mar. 21.

Funke, Albert, Edward, Pelham Manor, assignor to John C. Welwood Corporation, New York, N. Y. Narrow fabric package. 2,344,862; Mar. 21.

Gade, Harcourt F., River Forest, assignor to Joe Ott Manufacturing Co., Chicago, Ill. Toy airplane and its manufacture. 2,344,693; Mar. 21.

Gardner, Leah L., University City, Mo. Billfold. 2,344,694; Mar. 21.

Geigy, J. R., A. G. (See Grun, A., and Stoll, assignors.)

General Box Company. (See Fowler, Neil A., assignor.)

General Bronze Corporation. (See McAvoy, Frank E., assignor.)

General Electric Company. (See Eaton, John, assignor.)

General Electric Company. (See Kearsley, William K., assignor.)

General Electric Company. (See Weeks, Walter R., assignor.)

General Motors Corporation. (See Barlett, Helen B., assignor.)

General Motors Corporation. (See Dow, G. S., Jr., and Onksen, assignors.)

General Motors Corporation. (See Eshbaugh, J. E., and McKinley, assignors.)

General Motors Corporation. (See Kucher, Andrew A., assignor.)

General Motors Corporation. (See Mears, William T., assignor.)

General Motors Corporation. (See Nusbaum, R. E., and Hackett, assignors.)

General Motors Corporation. (See Van Degrift, Thomas C., assignor.)

General Outdoor Advertising Co. (See Guyral, Samuel S., assignor.)

General Railway Signal Company. (See Judge, Thomas J., assignor.)

General Railway Signal Company. (See Preston, N. D., and Hitchcock, assignors.)

General Railway Signal Company. (See Reid, Arthur E., assignor.)

General Railway Signal Company. (See Wight, Sedgwick N., assignor.)

General Railway Signal Company. (See Wight, S. N., and Field, assignors.)

General Steel Castings Corporation. (See Meyer, W. H., and Jackson, assignors.)

General Steel Castings Corporation. (See Pflager, H. M., and Jackson, assignors.)

Gill, Ferdinand A., Chicago, Ill. Insect-repelling fabric and garment. 2,344,811; Mar. 21.

Gill, Ferdinand A., Chicago, Ill. Heating apparatus. 2,344,812; Mar. 21.

Gilpin, Garth G., Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Railway car side door. 2,344,506; Mar. 21.

Ginn, Earl, North Muskegon, and K. Cloud, assignors to Continental Motors Corporation, Muskegon, Mich. Internal combustion engine. 2,344,863; Mar. 21.

Glarum, Sivert N. (See Thackston, W. J., and Glarum.)

Goetz, Alexander, Pasadena, Calif., assignor to Sunshine Mining Company, Yakima, Wash. Method and apparatus providing a continuously effective source for oligodynamic sterilization. 2,344,548; Mar. 21.

Goldman, Ernest, et al. (See Olaszy, Joseph M., assignor.)

Goldsmith, Alfred N., New York, N. Y. Television transmitting system. 2,344,695; Mar. 21.

Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Radio repeater. 2,344,813; Mar. 21.

Goodman Manufacturing Company. (See Crawford, Loyal F., assignor.)

Goodman Manufacturing Company. (See Holstein, John H., assignor.)

Goodman Manufacturing Company. (See Stoltz, Charles E., assignor.)

Goodrich, B. F., Company, The. (See Wellman, Victor E., assignor.)

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Container. 2,344,507; Mar. 21.

Gorham, George V. (See Weber, Peter H. O., assignor.)

Gosswein, Ernst C. (See Gosswein, Paul F. and E. C.)

Gosswein, Paul F. and E. C., Chicago, Ill. Toy. 2,344,607; Mar. 21.

Graham, Calvin P., Jackson, assignor of one-half to J. C. Harper, Meridian, Miss. Latch operating device. 2,344,696; Mar. 21.

Graham, Carl. (See Le Tourneau, R. G., and Graham.)

Gray, Dorothy, Ltd. (See Whitehead, Alice M., assignor.)

Greenhill, Charles W., Brooklyn, N. Y. Pad. 2,344,549; Mar. 21.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Air conditioned vehicle. 2,344,864; Mar. 21.

Groll, Alvin F., Cleveland, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Measuring device. 2,344,508; Mar. 21.

Grossmith, George W. (See Shields, H. F. H., and Grossmith.)

Grun, Adolf, and W. Stoll, assignors to J. R. Geigy A. G., Basel, Switzerland. Manufacture of aryloxy-alkylamino butanones. 2,344,814; Mar. 21.

Guenther, Paul A., Houston, Tex. Multiple tool holder. 2,344,509; Mar. 21.

Gunness, Robert C., assignor to Standard Oil Company, Chicago, Ill. Catalyst regeneration control. 2,344,770; Mar. 21.

Guyral, Samuel S., assignor to General Outdoor Advertising Co., Chicago, Ill. Neon sign. 2,344,815; Mar. 21.

Hackett, James W. (See Nusbaum, R. E., and Hackett.)

Haddad, Labeeb B., New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Controlling system. 2,344,608; Mar. 21.

Hagelin, William T., Chicago, Ill., assignor to Davidson Manufacturing Corporation. Planographic plate. 2,344,510; Mar. 21.

Hahn, Martin G., Milwaukee, Wis. Broom holder. 2,344,816; Mar. 21.

Halford, Frank B., Edgware, and P. J. Wallace, Harrow Weald, assignors to D. Napier & Son Limited, London, England. Apparatus for the control of mechanism. 2,344,547; Mar. 21.

Hall, Stanley A. (See Palkin, S., and Hall.)

Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Determining the volume of the anular space between the casing and wall of bore holes. 2,344,771; Mar. 21.

Halliburton Oil Well Cementing Company. (See Halliburton, Erle P., assignor.)

Hanson, Saml., & Son, Limited. (See Bogner, Peter, assignor.)

Hanson, Walter J., Port Chester, N. Y., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Printing press. 2,344,609; Mar. 21.

Harbison, Dixon T. (See Fischer, C. A., Harbison, and Mercer.)

Harder, Ernest H., assignor to The Dow Chemical Company, Midland, Mich. Treatment of crystalline vinylidene chloride polymers. 2,344,511; Mar. 21.

Harder, Robert H., Chicago, Ill. Gauntlet for handle bar grips. 2,344,545; Mar. 21.

Hardy, David W. H. (See Paley, R. H. A., and Hardy.)

Hargreaves, Edward G., et al., executors. (See Hargreaves, E. S., and Steward.)

Hargreaces, Edward S., deceased, Rainhill, by E. G. Hargreaves, St. Helens, and H. J. Dunkerley, Crookham, executors, and H. M. Steward, Liverpool, assignors to British Insulated Cables Limited, Prescot, England. Apparatus for marking the surface of electric cables or similar articles. 2,344,610; Mar. 21.

Harless, Reginald F., Ossining, N. Y. Internal combustion engine. 2,344,865; Mar. 21.

Harmer, Wilfred. (See Mann, R. J., Martin, and Harmer.)

Harper, Juanita C. (See Graham, Calvin P., assignor.)

Harries, George H., assignor to Bally Ribbon Mills, Inc., Bally, Pa. Gauge. 2,344,866; Mar. 21.

Harris, Harry H., Palo Alto, assignor to Enterprise Engine & Foundry Company. San Francisco, Calif. Vertical hammermill discharge. 2,344,611; Mar. 21.

Hartford-Empire Company. (See Mylchreest, George D., assignor.)

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric signaling. 2,344,612; Mar. 21.

Hartwig, Carl E., Teaneck, N. J., and B. N. Lougovoy, Jackson Heights, assignors to American Chicle Company, Long Island City, N. Y. Preparing chewing gum bases. 2,344,916; Mar. 21.

Hauck, Paul A. (See Herzog, C., and Hauck.)

Haves, Henry. (See Levy, J., Moore, and Haves.)

Hayes Manufacturing Corporation. (See Kolderman, J. C., and Speckin, assignors.)

Hays Manufacturing Company. (See Montgomery, Leland V., assignor.)

Heerema, Jacob. (See Owens, J. S., Heerema, and Stanton.)

Heidenreich, Alfredo, Buenos Aires, Argentina. Narrow foldable bridge. 2,344,772; Mar. 21.

Heinrich, Walter A., Richmond Heights, assignor to James R. Kearney Corporation, St. Louis, Mo. Trailer. 2,344,551; Mar. 21.

Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Governor. 2,344,867; Mar. 21.

Hellstern, Aloysius U. (See Hellstern, Lucius A., assignor.)

Hellstern, Lucius A., assignor to A. U. Hellstern, Cleveland, Ohio. Bookmark. 2,344,613; Mar. 21.

Herbert, Leon S., assignor to T. N. Herbert, Merion, Pa. Foot covering. 2,344,773; Mar. 21.

Herbert, Theotiste N. (See Herbert, Leon S., assignor.)

Hercules Powder Company. (See Ott, Emil, assignor.)

Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)

Herzog, Carl, Belleville, and P. A. Hauck, Union, assignors, by mesne assignments, to themselves, as joint tenants. Producing getters. 2,344,931; Mar. 21.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,344,868; Mar. 21.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston mechanism. 2,344,869; Mar. 21.

Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,344,870; Mar. 21.

Hitchcock, Forest B. (See Preston, N. D., and Hitchcock.)

Hlavaty, Rudolph F., Cicero, Ill. Self-aligning pulley. 2,344,817; Mar. 21.

Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Starting and operating circuit for discharge lamps. 2,344,774; Mar. 21.

Hollingsworth, R. Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Noise reduction system. 2,344,697; Mar. 21.

Hollis, Eldon B. (See Jenemann, J. A., and Hollis.)

Holslag, Claude J., South Orange, assignor to Electric Arc, Inc., Newark, N. J. Saving welding electrode material. 2,344,775; Mar. 21.

Holstein, John H., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,344,871; Mar. 21.

Holt, Lee C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyl mercury salts. 2,344,872; Mar. 21.

Holt, Philetus H., 2nd. (See Reeves, E. D., and Holt.)
Hosking, Oakley W., Monroe, N. Y. Rubber valve stem. 2,344,932; Mar. 21.
Hotchkiss, Clarence F., Jr., assignor to Stow Manufacturing Company, Inc., Binghamton, N. Y. Flexible shaft winding tool. 2,344,917; Mar. 21.
Houdaille-Hershey Corporation. (See Dall, Edward D., assignor.)
Howe, Earl, Royal Oak, Mich., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Tubular connection and sealing means therefor. 2,344,698; Mar. 21.
Hulse, George E., Jr., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Battery separator. 2,344,614; Mar. 21.
Hulse, George E., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Rubber hydrochloride composition. 2,344,776; Mar. 21.
Hunt, John O., Greenville, assignor to Ware Shoals Manufacturing Co., Ware Shoals, S. C. Loom. 2,344,777; Mar. 21.
Hunt, Seymour, Flushing, N. Y., assignor to Radio Corporation of America. Amplitude modulation limiter circuit. 2,344,699; Mar. 21.
Huse, Hiram N., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Golf ball. 2,344,873; Mar. 21.
Hutcheson, William W., and W. C. Mason, London, England. Apparatus for rectifying spirits and for similar purposes. 2,344,700; Mar. 21.
Hutchinson, George W., Raleigh, N. C. Roller. 2,344,701; Mar. 21.
Hutton, James, assignor to J Browett Lindley (1931) Limited, Letchworth, England. Valve. 2,344,818; Mar. 21.
Ilex Optical Company. (See Schwarz, Alfred, assignor.)
Illinois Powder Manufacturing Company. (See Watt, S. B., and Adolph, assignors.)
Imperial Chemical Industries Limited. (See Brown, J. H., and Watt, assignors.)
Ingram, Bernard J., Sewickley, assignor of one-fourth to E. F. McConnell, Pittsburgh, one-fourth to J. R. King, North Braddock, and one-fourth to A. Clydesdale, Jr., Mount Washington, Pa. Steam heating system. 2,344,874; Mar. 21.
Inscho, Carlton S. (See Loth, E. C., and Inscho.)
International Business Machines Corporation. (See Bailey, William J. A., assignor.)
International Cigar Machinery Company. (See Durning, James P., assignor.)
International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)
International Standard Electric Corporation. (See Deakin, Gerald, assignor.)
International Standard Electric Corporation. (See Kozma, L., and Kruithof, assignors.)
International Standard Electric Corporation. (See Kram, W., and Jarvis, assignors.)
Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)
Jackson, Edwin C. (See Pflager, H. M., and Jackson.)
Jackson, Edwin C. (See Meyer, W. H., and Jackson.)
Jacobs, Edward, Philadelphia, Pa. Invoice form and invoicing. 2,344,819; Mar. 21.
James, Edmond J. P., Akron, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Machine for welding. 2,344,875; Mar. 21.
James, John H., Cleveland Heights, and H. B. Miller, assignors to The Brush Development Company, Cleveland, Ohio. Making joints. 2,344,615; Mar. 21.
Jamison, Clarence B., assignor of twenty per cent to Collins Mason, Beverly Hills, Calif. Reinforced propeller. 2,344,876; Mar. 21.
Janigian, Kalousd, Brighton, assignor of forty per cent to O. Moradian, Detroit, Mich. Window construction. 2,344,877; Mar. 21.
Jarosz, Albert W., Detroit, Mich. Micrometer height gauge. 2,344,878; Mar. 21.
Jarvis, Frank L. J. (See Kram, W., and Jarvis.)
Jenemann, Joseph A., Drexel Hill, Pa., and E. B. Hollis, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphuric acid. 2,344,616; Mar. 21.
Jens, Albert A. (See Williams, H. O., and Jens.)
Johnsen, Henry, Notodden, Norway; vested in the Alien Property Custodian. Production of salts by base-exchanging substances. 2,344,617; Mar. 21.
Johnson, Edward E., Incorporated. (See Williams, H. O., and Jens, assignors.)
Johnson, Edward H., Coventry, assignor to The Keelavite Company Limited, Allesley, Coventry, England. Rotary fluid pressure motor, pump, and the like. 2,344,879; Mar. 21.
Johnson, Herbert H., assignor of thirty-five per cent to J. T. Crow, Amory, Miss. Groove dressing tool. 2,344,880; Mar. 21.
Johnson, Martin W. (See Dodge, J. K., and Johnson.)
Johnson, Matthey & Co. Limited. (See Chaston, J. C., and Pertwee, assignors.)
Johnson, William S., assignor to Röhm & Haas Company, Philadelphia, Pa. Plasticizing esters of methacrylic acid. 2,344,918; Mar. 21.
Jory, Samuel Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle clutch and transmission control. 2,344,881; Mar. 21.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,344,702; Mar. 21.
Kahn, Samuel, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Gauge adjusting means. 2,344,882; Mar. 21.
Kairalla, Eleanor, New York, N. Y. Lipstick. 2,344,883; Mar. 21.
Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
Kearney, James R., Corporation. (See Heinrich, Walter A., assignor.)
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Electric blanket temperature control apparatus. 2,344,820; Mar. 21.
Keelavite Company Limited, The. (See Johnson, Edward H., assignor.)
Keller Tool Company. (See Shaff, Ernest H., assignor.)
Kellogg Switchboard and Supply Company. (See Staszak, Michael B., assignor.)
Kelly, Daniel A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Storing and handling case for phonograph records. 2,344,919; Mar. 21.
Kemper, Maxwell F., Los Angeles, Calif. Apparatus for handling materials. 2,344,703; Mar. 21.
Ken-Tool Manufacturing Company, The. (See Krantz, Edwin G., assignor.)
Keplinger, Charles H., Centralia, Ill., assignor to Shell Development Company, San Francisco, Calif. Gun perforator device. 2,344,778; Mar. 21.
Kiesel, Albert H., Tiffin, Ohio. Power shovel. 2,344,821; Mar. 21.
King, James R., et al. (See Ingram, Bernard J.)
Kirchmann, Henry, Jr. (See Warburton, Alfred N., Jr., assignor.)
Kirkland, Robert D., Port Washington, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Wave transmission system. 2,344,884; Mar. 21.
Knochel, William J., Irvington, and S. J. Cherry, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device. 2,344,552; Mar. 21.
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Abrading tool. 2,344,550; Mar. 21.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Radio air raid warning system. 2,344,618; Mar. 21.
Kolderman, Johannes C., and W. K. Speckin, assignors to Hayes Manufacturing Corporation, Grand Rapids, Mich. Machine for making hollow bodies. 2,344,779; Mar. 21.
Koppers Company. (See Dorfan, Morton I., assignor.)
Kozma, Ladislas, and J. Kruithof, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical calculating equipment. 2,344,885; Mar. 21.
Kram, Walter, and F. L. J. Jarvis, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Switching means for interconnecting co-axial conductors. 2,344,780; Mar. 21.
Krantz, Edwin G., Girard, assignor to The Ken-Tool Manufacturing Company, Akron, Ohio. Tire tool. 2,344,704; Mar. 21.
Krause, Walter H., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch for horizontally hinged hood closures. 2,344,705; Mar. 21.
Krauska, Thomas I., St. Louis, Mo. Oil burner. 2,344,822; Mar. 21.
Krueger, Albert G. (See Vaughan, F. P., Krueger, Slye, and Engel.)
Krueger, Frank, Milbrae, Calif., assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for applying tops to can bodies. 2,344,546; Mar. 21.
Kruithof, Jakob. (See Kozma, L., and Kruithof.)
Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,344,706; Mar. 21.
Kuh, Erwin, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing 2-aminopyrimidine. 2,344,707; Mar. 21.
Lake, Thomas A. E., Stratford, Conn., assignor to G. B. Cluett, 2nd, Troy, N. Y. Displacement-hydroplane boat. 2,344,619; Mar. 21.
Lambert Brake Corporation, The. (See Lambert, Homer T., assignor.)
Lambert, Homer T., assignor to The Lambert Brake Corporation, St. Joseph, Mich. Brake construction. 2,344,933; Mar. 21.
Landess, Adam E. (See Sperry, D. E., and Landess.)
Landis, Clyde R., and W. L. Culpepper, Chicago, assignors to D. B. McCloud, Du Quoin, Ill. X-ray photograph marking, and making same. 2,344,823; Mar. 21.
Landis, Clyde R., and W. L. Culpepper, Chicago, Ill., assignors to D. B. McCloud, Du Quoin, Ill. Making X-ray photographs. 2,344,824; Mar. 21.
Lang, Eugene C. (See Morgan, J. D., and Lang.)
Langley, John E., assignor of one-half to M. V. Woolf, Brooklyn, N. Y. Ornament. 2,344,620; Mar. 21.
Lanham, Paul, Lanham, Md. Fluid meter. 2,344,512; Mar. 21.
La Plant-Choate Mfg. Co. (See Austic, Ellsworth W., assignor.)

Lasher, Edward A., assignor to California Flaxseed Products Company, Los Angeles, Calif. Protective coating composition. 2,344,708; Mar. 21.
Lasher, Edward A., assignor to California Flaxseed Products Company, Los Angeles, Calif. Mastic composition. 2,344,709; Mar. 21.
Lear Avia, Inc. (See Lear, William P., assignor.)
Lear, William P., Dayton, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Radio tuning mechanism. 2,344,825; Mar. 21.
Le Gresley, Stanley G., Flint, Mich. Safety vehicle door lock. 2,344,826; Mar. 21.
Lemmerman, Paul C., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Weld-rod coating. 2,344,621; Mar. 21.
Le Tourneau, R. G., Inc. (See Le Tourneau, R. G., and Graham, assignors.)
Le Tourneau, R. G., Inc. (See Short, George P., assignor.)
Le Tourneau, Robert G., Peoria, Ill., and C. Graham, Toccoa, Ga., assignors to R. G. Le Tourneau, Inc., Stockton, Calif. Tap supporting carriage for lathes. 2,344,622; Mar. 21.
Levy, Julius, R. M. Moore, and H. Haves, Los Angeles, Calif. Telephone system. 2,344,623; Mar. 21.
Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Lubricant composition. 2,344,886; Mar. 21.
Liebl, George, Fairlawn, N. J. Telescopic range finder. 2,344,887; Mar. 21.
Liermann, Orville, Manitowoc, Wis. Pneumatic tire. 2,344,827; Mar. 21.
Liese, Selig S. (See Warner, M. P., and Liese.)
Linde Air Products Company, The. (See Bucknam, J. H., Miller, and Royer, assignors.)
Linde Air Products Company, The. (See Dana, L. I., and Zenner, assignors.)
Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 2,344,888; Mar. 21.
Lindley, J Browett, (1931) Limited. (See Hutton, James, assignor.)
Longwell, Robert R., and T. C. Wetherby, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,344,828; Mar. 21.
Loth, Eric C., Elizabeth, and C. S. Inscho, Livingston, N. J. Production of meta-titanic acid. 2,344,553; Mar. 21.
Lougovoy, Boris N. (See Hartwig, C. E., and Lougovoy.)
Lubs, Herbert A., and N. M. Bigelow, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur dyes of the hydroxy-anilino-naphthalene-sulphonamide type. 2,344,624; Mar. 21.
Lubs, Herbert A., and N. M. Bigelow, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. New hydroxy - anilido - naphthalene - sulphonamides. 2,344,625; Mar. 21.
Lynch, Charles S., Fanwood, and J. H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company. Isomerizing paraffins. 2,344,889; Mar. 21.
M and M Wood Working Company. (See Pasquier, Michel, assignor.)
MacClatchie, John W., Compton, Calif. Starting stall. 2,344,713; Mar. 21.
Mackay Radio and Telegraph Company. (See Kirkland, Robert D., assignor.)
Maggi, Gilbert P., Brooklyn, N. Y. Frost mask. 2,344,920; Mar. 21.
Magyarits, Franz, et al. (See Olaszy, Joseph M., assignor.)
Malecki, Albert S. (See De Haes, Jerome, assignor.)
Manley, Robert E., York, Pa. Dispenser. 2,344,556; Mar. 21.
Mann, Ralph J., and R. Martin, Spondon, near Derby, and W. Harmer, Whalley, near Blackburn, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,344,557; Mar. 21.
Manning, Maxwell & Moore, Incorporated. (See Kahn, Samuel, assignor.)
Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Cylinder bracket. 2,344,513; Mar. 21.
Marks, Alvin M., Beechhurst, Lond Island, N. Y. Crystalline formation. 2,344,514; Mar. 21.
Martin, Robert. (See Mann, R. J., Martin, and Harmer.)
Martin, William O., assignor to W. O. Martin, Inc., Fort Smith, Ark. Reversing valve. 2,344,714; Mar. 21.
Martin, William O., Inc. (See Martin, William O., assignor.)
Mason, Collins. (See Jamison, Clarence B., assignor.)
Mason, William C. (See Hutcheson, W. W., and Mason.)
Massey, Henry P., New York, N. Y. Means and method for increasing the magnus effect. 2,344,515; Mar. 21.
Matheson, Lorne A. (See Boyer, R. F., Matheson, and Moyle.)
Maurer, Sam, assignor of one-half to P. A. Seidel, Vancouver, British Columbia, Canada. Milk bottle holder. 2,344,715; Mar. 21.
Maytag Company, The. (See Smith, Thomas R., assignor.)
McAvoy, Frank E., Teaneck, N. J., assignor to General Bronze Corporation, Long Island City, N. Y. Target carrier. 2,344,829; Mar. 21.
McBride, George A., Alton, assignor to Western Cartridge Company, East Alton, Ill. Propellant powder. 2,344,516; Mar. 21.
McCloud, Don B. (See Landis, C. R., and Culpepper, assignors.)
McConnell, Earl F., et al. (See Ingram, Bernard J., assignor.)
McCurdy, Clifford H. (See Snyder, Ivin F., assignor.)
McDaniel, Ernest C., Denver, Colo. Trailer stabilizer. 2,344,921; Mar. 21.
McDermet, John R., Hempfield Township, Westmoreland County, assignor to Elliott Company, Pittsburgh, Pa. Deaeration of liquids. 2,344,554; Mar. 21.
McGill Manufacturing Company. (See Popp, Rudolf, assignor.)
McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating and cooling system. 2,344,555; Mar. 21.
McKinley, Charles W. (See Eshbaugh, J. E., and McKinley.)
McKinney, Bernell H., Lindfield, near Sydney, New South Wales, Australia. Combined envelope and letter sheet. 2,344,891; Mar. 21.
McMurtry, Edward P., San Marino, Calif. Film developing cage. 2,344,710; Mar. 21.
McNutt, John F., Glendale, and R. E. Colby, Los Angeles, Calif. Walnut cutting machine. 2,344,711; Mar. 21.
McVay, James W., Kansas City, Mo. Shirt collar support. 2,344,712; Mar. 21.
Mears, William T., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lamp construction. 2,344,716; Mar. 21.
Mercer, Charles A. (See Fischer, C. A., Harbison, and Mercer.)
Metalwash Machinery Company. (See Zademach, E. R., and Clarke, assignors.)
Meyer, William H., St. Louis, and E. C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,344,521; Mar. 21.
Miehle Printing Press and Manufacturing Company. (See Sites, Benjamin L., assignor.)
Miller, Alfred J. (See Bucknam, J. H., Miller, and Royer.)
Miller, Harry B. (See James, J. H., and Miller.)
Mills, Herbert E. and V. I., Detroit, Mich. Rivet. 2,344,717; Mar. 21.
Mills, Vernon I. (See Mills, Herbert E and V. I.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Mixer, Harold P., Rockville Centre, assignor to Remington Rand, Inc., Buffalo, N. Y. Computing machine. 2,344,627; Mar. 21.
Mixer, Harold P., Rockville Centre, assignor to Remington Rand Inc., Buffalo, N. Y. Multiplying punch. 2,344,626; Mar. 21.
Modigliani, Piero, and V. Wiquel, Leghorn, Italy, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Manufacture of spun artificial fibers. 2,344,892; Mar. 21.
Mohs, Frederic E., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Composition of matter for the chemical fixation of diseased tissue preparatory for surgical removal. 2,344,830; Mar. 21.
Monahan, John C., Royal Oak, assignor to Gar Wood Industries, Inc., Detroit, Mich. Gear pump. 2,344,628; Mar. 21.
Monson, Walter T., Newark, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Removal of zinc from lead. 2,344,629; Mar. 21.
Montgomery, Leland V., assignor to Hays Manufacturing Company, Erie, Pa. Protective sleeve. 2,344,893; Mar. 21.
Moore, Raymond M. (See Levy, J., Moore, and Haves.)
Moore, Walter B., Coshocton, Ohio. Photographic enlarger. 2,344,558; Mar. 21.
Moradian, Oscar. (See Janigian, Kalousd, assignor.)
Morehouse, Silas A., Glendale, Calif. Oxygen mask. 2,344,718; Mar. 21.
Morgan, John D., South Orange, and E. C. Lang, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. High power neon timing lamp. 2,344,518; Mar. 21.
Moyle, Clarence L. (See Boyer, R. F., Matheson, and Moyle.)
Mullen, Eunice G., Pasco, Wash. Garment protector. 2,344,781; Mar. 21.
Muller, Daniel A., Donna, Tex. Pier. 2,344,782; Mar. 21.
Munro, George C., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Watermarking coated paper. 2,344,783; Mar. 21.
Mylchreest, George D., assignor to Hartford-Empire Company, Hartford, Conn. Tempering glassware. 2,344,630; Mar. 21.
Nagel, Theodore, Brooklyn, N. Y. Apparatus for burning oil. 2,344,519; Mar. 21.
Napier, D., & Son Limited. (See Halford, F. B., and Wallace, assignors.)
Nash-Kelvinator Corporation. (See Berry, Wallace S., assignor.)
Nash-Kelvinator Corporation. (See Phelps, Ross H., assignor.)
National Postal Meter Company. (See Ryan, C. D., and Drake, assignors.)

National Supply Company, The. (See Deschner, Richard E., assignor.)
New Wrinkle, Inc. (See Drummond, Folsom E., assignor.)
Newman, Strother M., assignor of one-half to J. A. Clemm III, Staunton, Va. Carton wrapper. 2,344,559; Mar. 21.
Newmarket Manufacturing Company. (See O'Connor, William J., assignor.)
Norza, Angelo M. (See de Cosmo, Michael, assignor.)
Nusbaum, Ralph E., and J. W. Hackett, assignors to General Motors Corporation, Detroit, Mich. Spectrochemical analysis method. 2,344,719; Mar. 21.
O'Connell, Michael J., Chicago, Ill., assignor to United Autographic Register Co. Printing and bursting machine. 2,344,720; Mar. 21.
O'Connor, William J., Dracut, assignor to Newmarket Manufacturing Company, Lowell, Mass. Lease forming attachment. 2,344,721; Mar. 21.
Oil Devices. (See Breese, James L., assignor.)
Okonite Company, The. (See Bennett, Charles E., assignor.)
Olaszy, Joseph M., Bronx., assignor of twenty-five per cent to J. Yarro, ten per cent to F. Magyarits and five per cent to E. Goldman, New York, N. Y. Airplane air brake. 2,344,520; Mar. 21.
Oldham, Wilbur N., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing guanamines. 2,344,784; Mar. 21.
Onksen, George W., Jr. (See Dow, G. S., Jr., and Onksen.)
Osgood Company, The. (See White, Fred L., assignor.)
Osterberg, Algot G. (See Crawford, T. D., Woodall, and Osterberg.)
Ott, Emil, assignor to Hercules Powder Company, Wilmington, Del. Terpene derivative. 2,344,831; Mar. 21.
Ott, Joe, Manufacturing Co. (See Gade, Harcourt F., assignor.)
Ottesen, Andrew, New York, N. Y. Receptacle cover. 2,344,894; Mar. 21.
Owens-Corning Fiberglas Corporation. (See Collins, Howard W., assignor.)
Owens-Corning Fiberglas Corporation. (See Modigliani, P., and Wiquel, assignors.)
Owens, James S., Lancaster, Pa., and J. Heerema and G. W. Stanton, assignors to The Dow Chemical Company, Midland, Mich. Photopolymerization method. 2,344,785; Mar. 21.
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packard Motor Car Company. (See James, Edmond J. P., assignor.)
Paley, Reginald H. A. and D. W. H. Hardy, Pretoria, Transvaal, Union of South Africa. Splint tensioning device. 2,344,631; Mar. 21.
Palkin, Samuel, Washington, D. C., and S. A. Hall, Arlington, Va. Fractionating column and scrubbing tower. 2,344,560; Mar. 21.
Paper Novelty Mfg. Co. (See Pettorossi, Joseph M., assignor.)
Paper Patents Company. (See Fanselow, John R., assignor.)
Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-vibrating mechanism for sewing machines. 2,344,632; Mar. 21.
Pasquier, Michel, assignor to M and M Wood Working Company, Portland, Oreg. Making plywood panels. 2,344,722; Mar. 21.
Patterson, Edgar W., Downey, and W. L. Patterson, Long Beach, Calif. Antipound pump pressure equalizer. 2,344,786; Mar. 21.
Patterson, Edgar W., Downey, and W. L. Patterson, Long Beach, Calif. Antipound pump pressure equalizer. 2,344,787; Mar. 21.
Patterson, Wesley L. (See Patterson, Edgar W. and W. L.)
Pearce, George W., and A. W. Avens, Geneva, N. Y. Basic calcium arsenate. 2,344,895; Mar. 21.
Pertwee, Kenneth S. G. (See Chaston, J. C., and Pertwee.)
Petrolite Corporation, Ltd. (See De Groote, Melvin, assignor.)
Pettorossi, Joseph M., New York, assignor to Paper Novelty Mfg. Co., Brooklyn, N. Y. Expanding ornament. 2,344,723; Mar. 21.
Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse repeater. 2,344,633; Mar. 21.
Phelps, Ross H., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive suspension. 2,344,896; Mar. 21.
Phillips, John A., Oakland, Calif. Try-square attachment. 2,344,724; Mar. 21.
Phipps, John T., Huntington Park, assignor to S. R. Bowen Co., Huntington Beach, Calif. Jar. 2,344,725; Mar. 21.
Pitney-Bowes Postage Meter Co. (See Hanson, Walter J., assignor.)
Pflager, Harry M., St. Louis, and E. C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,344,522; Mar. 21.
Podolin, William, Bronx, N. Y. Transportable stage. 2,344,726; Mar. 21.
Popil, Mike R., Cleveland, Ohio. Bidet. 2,344,561; Mar. 21.
Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Electric switch. 2,344,788; Mar. 21.
Potlatch Forests, Inc. (See Bowling, Robert T., assignor.)
Potter, John T., Brooklyn, N. Y. Multiple unit radio recorder. 2,344,562; Mar. 21.
Powell, Winfred T., Brighton, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone intercept system. 2,344,634; Mar. 21.
Preisman, Albert, Flushing, N. Y., assignor to Radio Corporation of America. Amplifying system. 2,344,727; Mar. 21.
Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Switch and signal control system for railroads. 2,344,728; Mar. 21.
Priestley, Winfred K., West Barrington, R. I., assignor to United States Rubber Company, New York, N. Y. Electrical cable. 2,344,635; Mar. 21.
Prime Manufacturing Company, The. (See Kelly, Daniel A., assignor.)
Pringle, John L., Monroe, La. Plane. 2,344,897; Mar. 21.
Prosperity Company, The. (See Yanchenko, Basil J., assignor.)
Punsalan, Leon F., U. S. Army, Manila, P. I. Ejector. 2,344,563; Mar. 21.
Quast, William J., Lake, assignor to Allen-Bradley Company, Milwaukee, Wis. Enclosed electric safety switch. 2,344,636; Mar. 21.
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Elliott, Charles I., assignor.)
Radio Corporation of America. (See Fredendall, G. L., and Schroeder, assignors.)
Radio Corporation of America. (See Goldstine, Hallan E., assignor.)
Radio Corporation of America. (See Hollingsworth, R. Lee, assignor.)
Radio Corporation of America. (See Hunt, Seymour, assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Preisman, Albert, assignor.)
Radio Corporation of America. (See Rankin, John A., assignor.)
Radio Corporation of America. (See Roberts, Walter Van B., assignor.)
Radio Corporation of America. (See Rosencrans, Charles A., assignor.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Radio Corporation of America. (See Sherman, Jesse B., assignor.)
Radio Corporation of America. (See Somers, Frank J., assignor.)
Radio Corporation of America. (See Swanson, Henry T., assignor.)
Rairdon, Ernest L., Oakland, Calif. Vehicle direction signaling system. 2,344,637; Mar. 21.
Ralston, Raymond H., Camp Joseph T., Robinson, Ark. Folding beach chair. 2,344,729; Mar. 21.
Ramsey, Carson S., Cureall, Mo. Army tank. 2,344,730; Mar. 21.
Rankin, John A., Port Washington, N. Y., assignor to Radio Corporation of America. Detected frequency modulated wave amplifier. 2,344,731; Mar. 21.
Rathbun, John P., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid separating apparatus. 2,344,898; Mar. 21.
Rathbun, John P., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid separating apparatus. 2,344,899; Mar. 21.
Raver, Francis M., York, Pa., assignor to Flakice Corporation of New York, Brooklyn, N. Y. Refrigeration. 2,344,922; Mar. 21.
Reeder, Leo E., assignor to Sport Products Inc., Cincinnati, Ohio. Manufacture of inflatable game balls. 2,344,638; Mar. 21.
Reeves, Edward D., Cranford, and P. H. Holt, 2nd, Summit, N. J., assignors to Standard Oil Development Company. Treating hydrocarbon fluids. 2,344,900; Mar. 21.
Reid, Arthur E., Gates, assignor to General Railway Signal Company, Rochester, N. Y. Highway crossing signal system. 2,344,732; Mar. 21.
Remington Rand Inc. (See Mixer, Harold P., assignor.)
Research Corporation. (See Coey, S. C., and Spiselman, assignors.)
Ressinger, Paul M., Chicago, Ill. Illuminated display device. 2,344,639; Mar. 21.
Riley, Patrick J. H. (See Duffield, F. W. N., and Riley.)
Ripper, Kurt E., Bronxville, assignor to American Cyanamide Company, New York, N. Y. Molding composition. 2,344,733; Mar. 21.
Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Neutralizing circuit. 2,344,734; Mar. 21.

Robinson, Thomas R., Everett, Wash. Loading and unloading device. 2,344,923; Mar. 21.
Rockwell, Albert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Engine mount. 2,344,735; Mar. 21.
Rogers, Paul I., Richmond Hill, N. Y. Packaging method. 2,344,640; Mar. 21.
Röhm & Haas Company. (See Johnson, William S., assignor.)
Röhm & Haas Company. (See Thackston, W. J., and Glarum, assignors.)
Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Radio frequency wattmeter. 2,344,641; Mar. 21.
Rosengren, Swan N., Seattle, Wash. Cowl fastener. 2,344,832; Mar. 21.
Routh, Almond C., Sandusky, Ohio. Method and apparatus for making flavored confections. 2,344,901; Mar. 21.
Royer, Stanley H. (See Bucknam, J. H., Miller, and Royer.)
Ruge, Arthur C., Cambridge, Mass. Temparature compensated strain gauge. 2,344,642; Mar. 21.
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivative. 2,344,833; Mar. 21.
Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to National Postal Meter Company, Inc., Rochester, N. Y. Apparatus for feeding articles to mail treating machines. 2,344,643; Mar. 21.
Ryder, Earle A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Method and apparatus for crowning piston rings. 2,344,924; Mar. 21.
Safety Car Heating and Lighting Company, The. (See Haddad, Labeeb B., assignor.)
Sargent & Company. (See Brantingson, Sigurd, assignor.)
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television transmitting system. 2,344,736; Mar. 21.
Schepman, Willis G., Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation. Acetylene generator. 2,344,564; Mar. 21.
Schlesinger, Ralph M., Brooklyn, N. Y. Game board. 2,344,737; Mar. 21.
Schmerling, Louis, assignor to Universal Oil Products Company, Chicago, Ill. Destructive hydrogenation of hydrocarbon oils. 2,344,789; Mar. 21.
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Adjustable stroke pump. 2,344,517; Mar. 21.
Schroeder, Alfred C. (See Fredendall, G. L., and Schroeder.)
Schryber, Emil A., Lynbrook, assignor to Tilco-Fin, Inc., Brooklyn, N. Y. Manufacture of finned tubing and the like. 2,344,790; Mar. 21.
Schwan, August R., assignor to Armstrong Cork Company, Lancaster, Pa. Load supporting device. 2,344,644; Mar. 21.
Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter operating mechanism. 2,344,645; Mar. 21.
Schwarze Electric Company. (See Stern, Lewis J., assignor.)
Scott-Paine, Hubert. (See Selman, George S., assignor.)
Scott, Wallace J., Jr. (See Scott, Wallace J. and W. J., Jr.)
Scott, Wallace J. and W. J., Jr., White Plains, N. Y. Fuel injector for Diesel engines and the like. 2,344,565; Mar. 21.
Seal-O-Strain Corporation. (See Arvins, N. A., and Arvintz, assignors.)
Siedel, Paul A. (See Maurer, Sam, assignor.)
Seifert, John B., Springtown, Pa. Mold. 2,344,738; Mar. 21.
Selman, George S., Hythe, assignor to Hubert Scott-Paine, Hythe, Southampton, England. Gun mounting. 2,344,566; Mar. 21.
Sexton, Everett P., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system. 2,344,902; Mar. 21.
Shaff, Ernest H., assignor to Keller Tool Company, Grand Haven, Mich. Coupling device. 2,344,739; Mar. 21.
Shaff, Ernest H., assignor to Keller Tool Company, Grand Haven, Mich. Hose coupling device. 2,344,740; Mar. 21.
Shell Development Company. (See Keplinger, Charles H., assignor.)
Sherman, Jesse B., New York, N. Y., assignor to Radio Corporation of America. Tunable high frequency circuits. 2,344,741; Mar. 21.
Shields, Herbert F. H., London, and G. W. Grossmith, Bristol, England. Apparatus for loading and unloading wheeled vehicles. 2,344,742; Mar. 21.
Shields, Robert A., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Door lifting and tilting device. 2,344,903; Mar. 21.
Shogren, Charles A., assignor to Dorbin Metal Strip Manufacturing Co., Chicago, Ill. Window construction. 2,344,904; Mar. 21.
Short, George P., Tournapull, Ga., assignor to R. G. Le Tourneau, Inc. Spray painting machine. 2,344,905; Mar. 21.
Shrader, Charles D., Oakland, Calif. Sound recording apparatus. 2,344,646; Mar. 21.
Sidebotham, Melvin H., Newton, Mass. Collapsible egg carton. 2,344,567; Mar. 21.
Signode Steel Strapping Company. (See Crosby, George A., assignor.)
Simmons, Edward E., Jr., Pasadena, Calif. Method and apparatus for making strain gauges. 2,344,647; Mar. 21.
Simmons, Edward E., Jr., Pasadena, Calif. Moisture-proof strain gauge. 2,344,648; Mar. 21.
Singer Manufacturing Company, The. (See Parry, Frank, assignor.)
Sites, Benjamin L., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Calculating instrument. 2,344,834; Mar. 21.
Sizer, F. P. (See Adams, Gilford D., assignor.)
Sklaar, Richard. (See Ferris, L. F., Sklaar, and Burau.)
Sloan Valve Company. (See Sloan, William E., assignor.)
Sloan, William E., River Forest, assignor to Sloan Valve Company, Chicago, Ill. Water closet. 2,344,649; Mar. 21.
Sloat, Howard M., Fairfield, Conn. Loading apparatus. 2,344,650; Mar. 21.
Slye, Norman J. (See Vaughan, F. P., Krueger, Slye, and Engel.)
Smith, Henry C., Jr., Los Angeles, Calif. Forming method and apparatus. 2,344,743; Mar. 21.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Timing mechanism for washing machines. 2,344,651; Mar. 21.
Smith, William C., Springport, Ind. Tool device. 2,344,925; Mar. 21.
Smyser, Elmer D., Torrance, Calif. Gas lift pump. 2,344,744; Mar. 21.
Snyder, Ivin F., assignor to C. H. McCurdy, Detroit, Mich. Coal truck body construction. 2,344,569; Mar. 21.
Snyder, Linus S., Manteca, Calif. Starter circuit for motor vehicles. 2,344,568; Mar. 21.
Societe Genovoise d'Instruments de Physique. (See Turrettini, Fernand, assignor.)
Solvay Process Company, The. (See Bardwell, Dwight C., assignor.)
Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Electrical circuit. 2,344,745; Mar. 21.
Spalding, John D., Los Angeles, Calif. Drive bushing. 2,344,746; Mar. 21.
Spanner, Edward F., London, England. Lifesaving apparatus. 2,344,652; Mar. 21.
Specialties Development Corporation. (See Mapes, Daniel, assignor.)
Speckin, William K. (See Kolderman, J. C., and Speckin.)
Sperry, Donald E., Whittier, and A. E. Landess, Long Beach, assignors of one-fourth to R. R. Crum, and one-fourth to J. K. Burkhart, Whittier, Calif. Fluid flow control mechanism. 2,344,747; Mar. 21.
Spiselman, Joseph W. (See Coey, S. C., and Spiselman.)
Sport Products Inc. (See Reeder, Leo E., assignor.)
Stalker, Edward A., Bay City, Mich. Pump. 2,344,835; Mar. 21.
Standard Oil Company. (See Gunness, Robert C., assignor.)
Standard Oil Company of California. (See Windle, George S., assignor.)
Standard Oil Development Company. (See Lieber, Eugene, assignor.)
Standard Oil Development Company. (See Lynch, C. S., and Bartlett, assignors.)
Standard Oil Development Company. (See Reeves, E. D., and Holt, assignors.)
Standard Oil Development Company. (See Whiteley, James M., Jr., assignor.)
Standard Oil Development Company. (See Young, David W., assignor.)
Standard Oil Development Company. (See Young, D. W., and Evans, assignors.)
Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)
Standard Railway Equipment Manufacturing Company. (See Swann, James S., assignor.)
Stansell, Marion L. (See Brown, T. B., and Stansell.)
Stanton, George W. (See Owens, J. S., Heerema, and Stanton.)
Staszak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone line circuit. 2,344,653; Mar. 21.
Stearns, Edwin L, Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Spectrophotometric particle mixture cam. 2,344,748; Mar. 21.
Stern, Lewis J., Adrian, Mich., assignor, by mesne assignments, to Schwarze Electric Company, Chicago, Ill. Electric bell. 2,344,523; Mar. 21.
Stevens, Frank W., Syracuse, N. Y. Building wall construction. 2,344,749; Mar. 21.
Stevenson, Jordan & Harrison, Inc. (See Vang, Alfred, assignor.)
Steward, Harold M. (See Hargreaves, E. S., and Steward.)

Sticelber, Merlin A., Kansas City, Mo. Bread molding machine. 2,344,836; Mar. 21.

Stoesser, Wesley C., assignor to The Dow Chemical Company, Midland, Mich. Separation of phenol from salicylaldehyde. 2,344,791; Mar. 21.

Stoll, Willy. (See Grun, A., and Stoll.)

Stoltz, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain. 2,344,750; Mar. 21.

Stong, Karl K., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Residually maintained direct current electromagnet. 2,344,654; Mar. 21.

Stow Manufacturing Company. (See Hotchkiss, Clarence F., Jr., assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)

Sullivan, Harry G., DeLand, Fla. Stenotype copyholder. 2,344,655; Mar. 21.

Sunshine Mining Company. (See Goetz, Alexander, assignor.)

Swann, James S., Homewood, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Doorstop. 2,344,524; Mar. 21.

Swanson, Henry T., Nutley, N. J., assignor to Radio Corporation of America. Carbonizing metals. 2,344,906; Mar. 21.

Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,344,656; Mar. 21.

Swezey, Burdette S., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control mechanism for printing telegraph apparatus. 2,344,792; Mar. 21.

Tarket, Roy L., Wilmington, Calif. Inside caliper. 2,344,837; Mar. 21.

Taylor, Russell C., Greenwich, Conn., assignor to American Can Company, New York, N. Y. Container. 2,344,525; Mar. 21.

Taylor, Taylor & Hobson Limited. (See Warmisham, Arthur, assignor.)

Thackston, William J., Haddon Heights, N. J., and S. N. Glarum, Ardmore, assignors to Röhm & Haas Company, Philadelphia, Pa. Water-repellent fabric. 2,344,926; Mar. 21.

Thiel, Otto, Detroit, Mich. Valve seat construction. 2,344,657; Mar. 21.

Thiel, Otto, Detroit, Mich. Valve control means. 2,344,658; Mar. 21.

Tilco-Fin, Inc. (See Schryber, Emil A., assignor.)

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastener. 2,344,570; Mar. 21.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Tissari, Oscar W., Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,344,793; Mar. 21.

Toland, William C., trustee. (See Bassist, Ellis, assignor.)

Trombetta, Panfilo, Milwaukee, Wis. Electromagnet. 2,344,751; Mar. 21.

Tucker, William C., Kenmore, assignor to Buffalo Forge Company, Buffalo, N. Y. Work-holding means for cutting machines and the like. 2,344,907; Mar. 21.

Turrettini, Fernand, assignor to the firm Societe Genovoise d'Instruments de Physique, Geneva, Switzerland. Axial balance device. 2,344,571; Mar. 21.

Tyler, John D., Stamford, Conn. Fountain assembly. 2,344,659; Mar. 21.

Union Carbide and Carbon Corporation. (See Schepman, Willis G., assignor.)

Union Switch & Signal Company, The. (See Van Horn, James J., assignor.)

United Aircraft Corporation. (See Rockwell, Albert M., assignor.)

United Aircraft Corporation. (See Ryder, Earle A., assignor.)

United Autographic Register Co. (See O'Connell, Michael J., assignor.)

United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)

United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)

United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)

United Shoe Machinery Corporation. (See Ushakoff, Alexis E., assignor.)

United States Rubber Company. (See Clark, Edward H., assignor.)

United States Rubber Company. (See Hulse, George E., Jr., assignor.)

United States Rubber Company. (See Hulse, George E., assignor.)

United States Rubber Company. (See Huse, Hiram N., assignor.)

United States Rubber Company. (See Priestley, Winfred K., assignor.)

Universal Oil Products Company. (See Schmerling, Louis, assignor.)

Ushakoff, Alexis E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for expanding hollow articles. 2,344,572; Mar. 21.

Utz, Melvin, Peru, Ill. Recoil absorber for firearms. 2,344,752; Mar. 21.

Valentine Laboratories, Inc. (See Folkrod, Cyril C., assignor.)

Vallinos, Nicholas, New York, N. Y. Combination flowerpot and jardiniere. 2,344,794; Mar. 21.

Van Degrift, Thomas C., assignor to General Motors Corporation, Detroit, Mich. Balancing machine. 2,344,753; Mar. 21.

Van Horn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,344,573; Mar. 21.

Van Sickle, Wilton, Lincoln, Nebr. Fishing bait retriever. 2,344,838; Mar. 21.

Vang, Alfred, Newark, N. J., assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y. Drying of vegetables. 2,344,754; Mar. 21.

Varro, Joseph, et al. (See Olaszy, Joseph M., assignor.)

Vaughan, Frank P., Winnetka, Ill., A. G. Krueger, N. J. Slye, and J. B. Engel, assignors to Bay West Paper Company, Green Bay, Wis. Web dispenser. 2,344,660; Mar. 21.

Venard, William G., San Francisco, Calif. Truck. 2,344,755; Mar. 21.

Victor, Alexander F., New York, N. Y. Cam flywheel and shutter for motion picture apparatus. 2,344,574; Mar. 21.

Vogt, Henry, Machine Co. (See Edmonds, Eugene A., assignor.)

Wagner Electric Corporation. (See Schnell, Steve, assignor.)

Wait, William B., New York, N. Y. Method and apparatus for accumulating material in spirals or rolls. 2,344,661; Mar. 21.

Wallace, Percy J. (See Halford, F. B., and Wallace.)

War of the United States of America, Secretary of. (See Barker, M. E., Young, and Bruce, assignors.)

Warburton, Alfred N., Jr., Oakland, assignor of one-half to H. Kirchmann, Jr., San Francisco,, Calif. Evaporator. 2,344,839; Mar. 21.

Ware Shoals Manufacturing Co. (See Hunt, John O., assignor.)

Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,344,756; Mar. 21.

Warner, Matthew P., and S. S. Liese, Freeport, N. Y. Selective automatic apparatus for reproducing images from records thereof. 2,344,662; Mar. 21.

Warren, Harold B., Cincinnati, Ohio. Method of manufacturing molding strips. 2,344,575; Mar. 21.

Warren, Harold B., Cincinnati, Ohio. Molding strip or the like. 2,344,576; Mar. 21.

Watt, John S. (See Brown, J. H., and Watt.)

Watt, Sterling B., and N. W. Adolph, Grafton, Ill., assignors to Illinois Powder Manufacturing Company, St. Louis, Mo. Explosive composition and producing same. 2,344,840; Mar. 21.

Weber, Charles G., St. Louis, Mo. Concrete form. 2,344,841; Mar. 21.

Weber, Peter H. O., assignor of one-half to G. V. Gorham, Dunlop, Iowa. Stacker operating mechanism for tractors. 2,344,795; Mar. 21.

Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Toaster. 2,344,842; Mar. 21.

Weikert, Roy J., Covington, Ohio. Hat cover. 2,344,927; Mar. 21.

Weisberger, Irving, New York, N. Y. Bicycle. 2,344,757; Mar. 21.

Wellman, Victor E., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Oxidation of synthetic latex. 2,344,843; Mar. 21.

Welsh, Clarke T., Logansport, Ind. Burner fuel pipe cleaner. 2,344,758; Mar. 21.

Welwood, John C., Corporation. (See Funke, Albert E., assignor.)

West, Herbert J., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Quaternary nitrogen condensation products of methylol urea ethers. 2,344,934; Mar. 21.

Western Cartridge Company. (See McBride, George A., assignor.)

Western Electric Company. (See Barrans, William T., assignor.)

Westinghouse Air Brake Company, The. (See Cook, Earle S., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)

Westinghouse Air Brake Company, The. (See Hines, Claude M., assignor.)

Westinghouse Air Brake Company, The. (See Jory, Samuel, assignor.)

Westinghouse Air Brake Company, The. (See Sexton, Everett P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Findlay, John H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Knochel, W. J., and Cherry, assignors.)

Westinghouse Electric & Manufacturing Company. (See Longwell, R. R., and Wetherby, assignors.)

Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)

Wetherby, Tracy C. (See Longwell, R. R., and Wetherby.)

Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Oscillating knife motor. 2,344,928; Mar. 21.

White, Fred L., assignor to The Osgood Company, Marion, Ohio. Boom hoist. 2,344,796; Mar. 21.

Whitehead, Alice M., assignor to Dorothy Gray, Ltd., New York, N. Y. Container for cosmetic powders and other cosmetics. 2,344,577; Mar. 21.

Whiteley, James M., Jr., Aruba, Dutch West Indies, assignor to Standard Oil Development Company. Isomerization process. 2,344,890; Mar. 21.

Whitesides, George W., Anchorage, Ky. Composition for coating concrete. 2,344,578; Mar. 21.

Whitesides, George W., Anchorage, Ky. Composition for coating concrete. 2,344,579; Mar. 21.

Whitman, Helen, administratrix. (See Whitman, Stewart C.)

Whitman, Stewart C., deceased, New York, N. Y.; H. Whitman, administratrix. Electric hair-waving device. 2,344,908; Mar. 21.

Whittaker, John D., Babylon, N. Y., assignor, by mesne assignments, to M. M. Bilofsky, Newark, N. J. Lighting installation. 2,344,935; Mar. 21.

Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Airplane dispatching system. 2,344,759; Mar. 21.

Wight, Sedgwick N., and O. S. Field, assignors to General Railway Signal Company, Rochester, N. Y. Airplane dispatching system. 2,344,760; Mar. 21.

Wight, Sedgwick N., and O. S. Field, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,344,761; Mar. 21.

Williams, Howard O., Minneapolis, and A. A. Jens, assignors to Edward E. Johnson, Incorporated, St. Paul, Minn. Deep well screen. 2,344,909; Mar. 21.

Williamson, Larkin R., Brooklyn, N. Y., assignor to E. W. Bliss Company. Brake and clutch operating mechanism. 2,344,526; Mar. 21.

Windle, George S., El Paso, Tex., assignor to Standard Oil Company of California, San Francisco, Calif. Method of sweetening hydrocarbon oils. 2,344,910; Mar. 21.

Wiquel, Valentino. (See Modigliani, P., and Wiquel.)

Wisconsin Alumni Research Foundation. (See Mohs, Frederic E., assignor.)

Wood, Albert C., Rio Vista, Calif. Subsurface crop harvester. 2,344,663; Mar. 21.

Wood, Conrad, El Dorado, Ark., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fish lure. 2,344,580; Mar. 21.

Wood, Gar, Industries, Inc. (See Monahan, John C., assignor.)

Woodall, Robert L. (See Crawford, T. D., Woodall, and Osterberg.)

Wooldridge Manufacturing Company. (See Berner, Leo, assignor.)

Woolf, Mark V. (See Langley, John E., assignor.)

Wright, Frank R., et al. (See Foster, Sampson D., assignor.)

Wylie, William D., Winston-Salem, N. C. Resilient ventilated shoe. 2,344,762; Mar. 21.

Yanchenko, Basil J., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Safety operating control for machines. 2,344,763; Mar. 21.

Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Titanium catalyst. 2,344,911; Mar. 21.

Young, David W., Roselle, and H. C. Evans, Cranford, N. J., assignors to Standard Oil Development Company. Lubricating oil blends. 2,344,912; Mar. 21.

Young, Philip E. (See Barker, M. E., Young, and Bruce.)

Younie, Lewis E., assignor to Electric Steel Foundry, Portland, Oreg. Crawler tractor. 2,344,764; Mar. 21.

Zademach, Erich R., Elizabeth, and W. W. Clarke, Summit, assignors, by mesne assignments, to Metalwash Machinery Company, Newark, N. J. Friction clutch. 2,344,527; Mar. 21.

Zenner, George H. (See Dana, L. I., and Zenner.)

Ziegeweid, Robert N., Arcadia, Wis. Key case. 2,344,581; Mar. 21.

Zink, John S., Tulsa, Okla. Burner. 2,344,936; Mar. 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alkylation process. A. A. O'Kelly and R. H. Work. Re. 22,458; Mar. 21.

LIST OF PLANT INVENTIONS

Apple tree. F. K. Baxter. 619; Mar. 21.
Rose plant. R. L. Byrum. 620; Mar. 21.

LIST OF DESIGN INVENTIONS

Badge or the like. M. Trude. 137,503; Mar. 21.
Bed, Foldable double deck. I. M. Wells. 137,505; Mar. 21.
Billfold. S. J. Smallman. 137,500; Mar. 21.
Bottle, Infant feeding. L. Eisele. 137,510; Mar. 21.
Braid, Woven. A. Steffens. 137,516–17; Mar. 21.
Brooch or similar article. A. Katz. 137,511; Mar. 21.
Bulb, Headlight. L. M. Asay. 137,508; Mar. 21.
Card, Display. M. Michelin. 137,480; Mar. 21.
Container for capsules, tablets, or similar articles. G. R. Laure. 137,512; Mar. 21.
Coupon sorting and dispensing receptacle. J. H. Martin. 137,479; Mar. 21.
Cutlery grinder guide and whetting disk, Combined. A. M. Jaccobson. 137,495; Mar. 21.
Device for holding capsules, pills, and the like. L. F. Lustig. 137,496; Mar. 21.
Dial and hand for clock or similar article, Combined. F. A. Winders. 137,506; Mar. 21.
Dress. S. Zahn. 137,507; Mar. 21.
Fabric, Woven textile. J. L. Walther. 137,504; Mar. 21.
Fishing tackle, Deep water. A. E. Thompson. 137,502; Mar. 21.
Frame or similar article, Spectacle. E. Pappert. 137,481; Mar. 21.
Frame, Picture. M. D. Moglen. 137,497–8; Mar. 21.
Furniture unit, Convertible. J. Randolph. 137,515; Mar. 21.
Game board. L. N. Cheek. 137,486; Mar. 21.
Gameboard or similar article. T. D. Pitts. 137,482; Mar. 21.
Holder, Camera. R. C. Swanson. 137,483–4; Mar. 21.
Holder, Electric welding rod. F. E. Trinajstich. 137,520; Mar. 21.
Jar, Cookie. F. Poe. 137,514; Mar. 21.
Latch or similar article, Night. C. Ledin. 137,478; Mar. 21.
Pajama ensemble. V. Giovagnoni. 137,491; Mar. 21.
Plate or similar article. A. Duhrssen. 137,489; Mar. 21.
Seal for the ends of tubes, Temporary. F. Van Cleef. 137,487; Mar. 21.
Sewing machine feeding attachment for producing spiral stitching. I. Klainbard. 137,518; Mar. 21.
Shirt. J. B. Bernhard. 137,509; Mar. 21.
Spectacles, Pair of. E. W. Smith. 137,501; Mar. 21.
Stopper for babies' milk bottles or similar articles. N. P. Steckler. 137,519; Mar. 21.
Suit. A. Gruber. 137,492–4; Mar. 21.
Toy, Figure. R. C. Flynt. 137,490; Mar. 21.
Toy military tank. J. P. Donahue. 137,488; Mar. 21.
Toy, Wheeled. J. T. Generale. 137,477; Mar. 21.
Tray, Cigarette. C. E. McCormick. 137,513; Mar. 21.
Trimming or similar article, Embroidered. N. M. Rosenbaum. 137,499; Mar. 21.
Vacuum pump. G. A. Becker. 137,485; Mar. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. N. H. Knowlton. 2,344,550; Mar. 21.
Acetylene generator. W. G. Schepman. 2,344,564; Mar. 21.
Acid, Manufacture of sulphuric. J. A. Jenemann and E. B. Hollis. 2,344,616; Mar. 21.
Acid, Plasticizing esters of methacrylic. W. S. Johnson. 2,344,918; Mar. 21.
Acid, Production of meta-titanic. E. C. Loth and C. S. Inscho. 2,344,553; Mar. 21.
Adjustable stroke pump. S. Schnell. 2,344,517; Mar. 21.
Advertising apparatus. L. F. Ferris, R. Sklaar, and W. E. Burau. 2,344,541; Mar. 21.
Air conditioned vehicle. W. R. Griswold. 2,344,864; Mar. 21.
Airplane air brake. J. M. Olaszy. 2,344,520; Mar. 21.
Airplane dispatching system. S. N. Wight. 2,344,759; Mar. 21.
Airplane dispatching system. S. N. Wight and O. S. Field. 2,344,760; Mar. 21.
Air raid warning system, Radio. W. R. Koch. 2,344,618; Mar. 21.
Airway traffic control system. S. N. Wight and O. S. Field. 2,344,761; Mar. 21.
Alcohols, Higher molecular. H. Bertsch. 2,344,671; Mar. 21.
Amplifying system. A. Preisman. 2,344,727; Mar. 21.
Amplitude modulation limiter circuit. S. Hunt. 2,344,699; Mar. 21.
Antenna operating reel. L. S. Brach. 2,344,490; Mar. 21.
Apparatus for applying tops to can bodies. F. Krueger. 2,344,546; Mar. 21.
Apparatus for burning oil. T. Nagel. 2,344,519; Mar. 21.
Apparatus for feeding articles to mail treating machines. C. D. Ryan and E. P. Drake. 2,344,643; Mar. 21.
Apparatus for handling materials. M. F. Kemper. 2,344,703; Mar. 21.
Apparatus for loading and unloading wheeled vehicles. H. F. H. Shields and G. W. Grossmith. 2,344,742; Mar. 21.
Apparatus for marking the surface of electric cables or similar articles. E. S. Hargreaves and H. MacD. Steward. 2,344,610; Mar. 21.
Apparatus for rectifying spirits and for similar purposes. W. W. Hutcheson and W. C. Mason. 2,344,700; Mar. 21.
Apparatus for reproducing images from records thereof, Selective automatic. M. P. Warner and S. S. Liese. 2,344,662; Mar. 21.
Apparatus for the control of mechanism. F. B. Halford and P. J. Wallace. 2,344,547; Mar. 21.
Apron. A. R. Baldeschwieler. 2,344,845; Mar. 21.
Archery bow. T. B. Brown and M. L. Stansel. 2,344,799; Mar. 21.
Army tank. C. S. Ramsey. 2,344,730; Mar. 21.
Automatic control mechanism. F. G. Clark. 2,344,535; Mar. 21.
Automobile door lock. E. D. Dall. 2,344,805–6; Mar. 21.
Automobile signal. J. R. Dempsey. 2,344,854; Mar. 21.
Automotive suspension. R. H. Phelps. 2,344,896; Mar. 21.
Axial balance device. F. Turrettini. 2,344,571; Mar. 21.
Bait retriever, Fishing. W. Van Sickle. 2,344,838; Mar. 21.
Balancing machine. T. C. Van Degrift. 2,344,753; Mar. 21.
Basic calcium arsenate. G. W. Pearce and A. W. Avens. 2,344,895; Mar. 21.
Battery separator. G. E. Hulse, Jr. 2,344,614; Mar. 21.
Bicycle. I. Weisberger. 2,344,757; Mar. 21.
Bicycle reflecting element. H. S. Fike. 2,344,542; Mar. 21.
Bidet. M. R. Popil. 2,344,561; Mar. 21.
Billfold. L. L. Gardner. 2,344,694; Mar. 21.
Blasting machine. J. E. Foster. 2,344,544; Mar. 21.
Block: *See*—
Telephone cord connecting block.
Board: *See*—
Game board.
Boat, Displacement-hydroplane. T. A. E. Lake. 2,344,619; Mar. 21.
Bookmark. L. A. Hellstern. 2,344,613; Mar. 21.
Bore holes, Determining the volume of the annular space between the casing and wall of. E. P. Halliburton. 2,344,771; Mar. 21.
Bottle, Milk. G. D. Adams. 2,344,485; Mar. 21.
Bracket: *See*—
Clamp and mounting bracket. Cylinder bracket.
Brake: *See*—
Airplane air brake. Variable load brake.
Brake. P. M. Freer. 2,344,690–1; Mar. 21.
Brake and clutch operating mechanism. L. R. Williamson. 2,344,526; Mar. 21.
Brake construction. H. T. Lambert. 2,344,533; Mar. 21.
Brake control means. C. M. Hines. 2,344,870; Mar. 21.
Brake cylinder device. C. C. Farmer. 2,344,858; Mar. 21.
Brake system. E. P. Sexton. 2,344,902; Mar. 21.
Bread molding machine. M. A. Sticelber. 2,344,836; Mar. 21.
Bridge, Narrow foldable. A. Heidenreich. 2,344,772; Mar. 21.
Broom holder. M. G. Hahn. 2,344,816; Mar. 21.
Building wall construction. F. W. Stevens. 2,344,749; Mar. 21.
Burner: *See*—
Oil burner.
Burner. J. S. Zink. 2,344,936; Mar. 21.
Burner fuel pipe cleaner. C. T. Welsh. 2,344,758; Mar. 21.
Butanones, Manufacture of aryloxy-alkylamino. A. Grun and W. Stoll. 2,344,814; Mar. 21.
Cabinet. M. L. Butcher. 2,344,800; Mar. 21.
Cable: *See*—
Electric cable. Electrical cable.
Cage, Film developing. E. P. McMurtry. 2,344,710; Mar. 21.
Calcium boride, Producing. A. L. Fox. 2,344,859; Mar. 21.
Calculating instrument. B. L. Sites. 2,344,834; Mar. 21.
Caliper, Inside. R. L. Tarket. 2,344,837; Mar. 21.
Cam flywheel and shutter for motion picture apparatus. A. F. Victor. 2,344,574; Mar. 21.
Capacitor, Variable. R. K. Frazier. 2,344,689; Mar. 21.
Carbonizing metals. H. T. Swanson. 2,344,906; Mar. 21.
Carrier: *See*—
Target carrier.
Carton, Collapsible egg. M. H. Sidebotham. 2,344,567; Mar. 21.
Carton wrapper. S. M. Newman. 2,344,559; Mar. 21.
Case: *See*—
Key case.
Casting rod. L. Bruce. 2,344,533; Mar. 21.
Catalyst regeneration control. R. C. Gunness. 2,344,770; Mar 21.
Catalyst, Titanium. D. W. Young. 2,344,911; Mar. 21.
Centrifugal separator. H. O. Lindgren. 2,344,888; Mar. 21.
Chain: *See*—
Cutter chain.
Chair: *See*—
Folding beach chair.
Chiller, Double pipe expansion. E. A. Edmonds. 2,344,606; Mar. 21.
Circuit: *See*—
Amplitude modulation limiter circuit. Neutralizing circuit.
Electrical circuit. Telephone line circuit.
Circuit for discharge lamps, Starting and operating. C. H. Hodgkins. 2,344,774; Mar. 211.
Clamp and mounting bracket. G. S. Dow, Jr., and G. W. Onksen, Jr. 2,344,683; Mar. 21.
Cleaner: *See*—
Burner fuel pipe cleaner.
Clevis joint. F. W. N. Duffield and P. J. H. Riley. 2,344,808; Mar. 21.
Clutch: *See*—
Friction clutch. Power take-off clutch.
Clutch drive. R. L. Brownlee. 2,344,593; Mar. 21.
Coal truck body construction. I. F. Snyder. 2,344,569; Mar. 21.
Coating composition. O. W. Tissari. 2,344,793; Mar. 21.
Coating composition, Protective. E. A. Lasher. 2,344,708; Mar. 21.
Coating films, Applying. F. E. Drummond. 2,344,807; Mar. 21.
Coating glass thread. W. M. Camp. 2,344,494; Mar. 21.
Combination flowerpot and jardiniere. N. Vallinos. 2,344,794; Mar. 21.
Combined envelope and letter sheet. B. H. McKinney. 2,344,891; Mar. 21.
Composite boards, Forming. R. T. Bowling. 2,344,488; Mar. 21.

Composition for coating concrete. G. W. Whitesides. 2,344,578–9; Mar. 21.
Composition of matter for the chemical fixation of diseased tissue preparatory for surgical removal. F. E. Mohs. 2,344,830; Mar. 21.
Computing machine. H. P. Mixer. 2,344,627; Mar. 21.
Concrete form. C. G. Weber. 2,344,841; Mar. 21.
Condiment holder. E. R. Chase. 2,344,801; Mar. 21.
Confections, Method and apparatus for making flavor. A. C. Routh. 2,344,901; Mar. 21.
Container. J. D'Esposito. 2,344,852; Mar. 21.
Container. G. E. Eckman. 2,344,505; Mar. 21.
Container. S. L. Gookin. 2,344,507; Mar. 21.
Container. R. C. Taylor. 2,344,525; Mar. 21.
Container for cosmetic powders and other cosmetics. A. McL. Whitehead. 2,344,577; Mar. 21.
Container for gases under pressure, Reinforcing hollow. G. L. C. Earle. 2,344,856; Mar. 21.
Control device. E. J. Dillman. 2,344,767; Mar. 21.
Control system. R. R. Longwell and T. C. Wetherby. 2,344,828; Mar. 21.
Controlling system. L. B. Haddad. 2,344,608; Mar. 21.
Coupling device. E. H. Shaff. 2,344,739; Mar. 21.
Copy holding appliance and copies for use in engraving machines. W. R. Butler-Jones. 2,344,849; Mar. 21.
Coupling: *See*—
Safety roller coupling.
Cover: *See*—
Hat cover. Receptacle cover.
Cowl fastener. S. N. Rosengren. 2,344,832; Mar. 21.
Crystalline formation. A. M. Marks. 2,344,514; Mar. 21.
Crystalline vinylidene chloride polymers, Treatment of. E. H. Harder. 2,344,511; Mar. 21.
Cutter chain. C. E. Stoltz. 2,344,750; Mar. 21.
Cylinder bracket. D. Mapes. 2,344,513; Mar. 21.
Deaeration of liquids. J. R. McDermet. 2,344,554; Mar. 21.
Deep well screen. H. O. Williams and A. A. Jens. 2,344,909; Mar. 21.
Dental tool. G. H. Droegkamp. 2,344,605; Mar. 21.
Detector, Beam phase. M. G. Crosby. 2,344,679; Mar. 21.
Device for analyzing perforated data appearing in adjacent fields of record media. W. J. A. Bailey. 2,344,585; Mar. 21.
Die spotting press. H. S. Fullerton. 2,344,692; Mar. 21.
Direct current electromagnet, Residually maintained. K. K. Stong. 2,344,654; Mar. 21.
Directional signal switch. J. E. Eshbaugh and C. W. McKinley. 2,344,685; Mar. 21.
Dispenser: *See*—
Web dispenser.
Dispenser. R. E. Manley. 2,344,556; Mar. 21.
Door latch. S. Brantingson. 2,344,532; Mar. 21.
Door lifting and tilting device. R. A. Shields. 2,344,903; Mar. 21.
Doorstop. J. S. Swann. 2,344,524; Mar. 21.
Drawworks. R. E. Deschner. 2,344,681; Mar. 21.
Drier and method, Paper. J. R. Fanselow. 2,344,686; Mar. 21.
Drive bushing. J. D. Spalding. 2,344,746; Mar. 21.
Dumping apparatus, Box. L. Adams. 2,344,664; Mar. 21.
Ejector. L. F. Punsalan. 2,344,563; Mar. 21.
Electric bell. L. J. Stern. 2,344,523; Mar. 21.
Electric blanket temperature control apparatus. W. K. Kearsley. 2,344,820; Mar. 21.
Electric cable. C. E. Bennett. 2,344,501; Mar. 21.
Electric discharge device. W. J. Knochel and S. J. Cherry. 2,344,552; Mar. 21.
Electric hair-waving device. S. C. Whitman. 2,344,908; Mar. 21.
Electric signaling. R. V. L. Hartley. 2,344,612; Mar. 21.
Electric switch. R. Popp. 2,344,788; Mar. 21.
Electrical cable. W. K. Priestley. 2,344,635; Mar. 21.
Electrical calculating equipment. L. Kozma and J. Kruithof. 2,344,885; Mar. 21.
Electrical circuit. F. J. Somers. 2,344,745; Mar. 21.
Electrode for sparking plugs. J. C. Chaston and K. S. G. Pertwee. 2,344,597; Mar. 21.
Electrode material, Saving welding. C. J. Holslag. 2,344,775; Mar. 21.
Electromagnet. P. Trombetta. 2,344,751; Mar. 21.
Electromagnetically operated switch. J. Eaton. 2,344,809; Mar. 21.
Emulsifying composition. C. C. Folkrod. 2,344,683; Mar. 21.
Enclosed electric safety switch. W. J. Quast. 2,344,636; Mar. 21.
Engine: *See*—
Internal combustion engine.
Engine mount. A. M. Rockwell. 2,344,735; Mar. 21.
Engine valve mechanism. C. F. Berry. 2,344,847; Mar. 21.
Englarger, Photographic. W. B. Moore. 2,344,558; Mar. 21.
Equalizer, Antipound pump pressure. E. W. and W. L. Patterson. 2,344,786–7; Mar. 21.
Esters, Manufacture of organic. J. H. Brown and J. S. Watt. 2,344,798; Mar. 21.
Esters of 4-tertiarybutyl-phenoxy-alkylols. E. C. Britton and G. H. Coleman. 2,344,491; Mar. 21.
Ethyl mercury salts, Preparation of. L. C. Holt. 2,344,872; Mar. 21.
Evaporator. A. N. Warburton, Jr. 2,344,839; Mar. 21.
Explosive composition and producing same. S. B. Watt and N. W. Adolph. 2,344,840; Mar. 21.
Fabric: *See*—
Nonstaining coated fabric. Water-repellent fabric.
Pile fabric.
Fabric and garment, Insect-repelling. F. A. Gill. 2,344,811; Mar. 21.
Fabric package, Narrow. A. E. Funke. 2,344,862; Mar. 21.
Fastener: *See*—
Cowl fastener.
Fastener. G. A. Tinnerman. 2,344,570; Mar. 21.
Feed end, Hammermill. J. A. Bried. 2,344,591; Mar. 21.
Feeder for sensitizing ingredients. E. H. Clark. 2,344,599; Mar. 21.
Feeler construction for package stampers. C. Arelt. 2,344,667; Mar. 21.
Fibers, Manufacture of spun artificial. P. Modigliani and V. Wiquel. 2,344,892; Mar. 21.
Fibrous glass, Treatment of. H. W. Collins. 2,344,601; Mar. 21.
Filling and strainer device. N. A. Arvins and A. A. Arvintz. 2,344,486; Mar. 21.
Film developing holder for motion picture films. C. Bryant. 2,344,493; Mar. 21.
Filter: *See*—
Spiral oil filter.
Finned tubing and the like, Manufacture of. E. A. Schryber. 2,344,790; Mar. 21.
Flexible shaft winding tool. C. F. Hotchkiss, Jr. 2,344,917; Mar. 21.
Flow control apparatus. D. H. Annin. 2,344,583; Mar. 21.
Flue, Materials-conveying. C. M. Asbill, Jr. 2,344,528; Mar. 21.
Fluid flow control mechanism. D. E. Sperry and A. E. Landess. 2,344,747; Mar. 21.
Fluid meter. P. Lanham. 2,344,512; Mar. 21.
Fluid operated means for controlling apparatus at a distance. E. Dodson. 2,344,768; Mar. 21.
Folding beach chair. R. H. Ralston. 2,344,729; Mar. 21.
Foot covering. L. S. Herbert. 2,344,773; Mar. 21.
Forming method and apparatus. H. C. Smith, Jr. 2,344,743; Mar. 21.
Fountain assembly. J. D. Tyler. 2,344,659; Mar. 21.
Fractionating column and scrubbing tower. S. Palkin and S. A. Hall. 2,344,560; Mar. 21.
Frequency divider network. M. G. Crosby. 2,344,678; Mar. 21.
Friction clutch. E. R. Zademach and W. W. Clarke. 2,344,527; Mar. 21.
Game balls, Manufacture of inflatable. L. E. Reeder. 2,344,638; Mar. 21.
Game board. R. M. Schlesinger. 2,344,737; Mar. 21.
Garment construction. J. J. and J. Chambart. 2,344,915; Mar. 21.
Garment protector. E. G. Mullen. 2,344,781; Mar. 21.
Gas lift pump. E. D. Smyser. 2,344,744; Mar. 21.
Gasoline tank filler. H. D. Allee. 2,344,582; Mar. 21.
Gauge: *See*—
Micrometer height gauge. Temperature compensated strain gauge.
Moistureproof strain gauge.
Gauge. G. H. Harries. 2,344,866; Mar. 21.
Gauge adjusting means. S. Kahn. 2,344,882; Mar. 21.
Gauges, Method and apparatus for making strain. E. E. Simmons, Jr. 2,344,647; Mar. 21.
Gauging and sorting machine. A. R. Carmina. 2,344,596; Mar. 21.
Gauntlet for handle bar grips. R. H. Harder. 2,344,545; Mar. 21.
Gear: *See*—
Steering gear.
Gear pump. J. C. Monahan. 2,344,628; Mar. 21.
Generator: *See*—
Acetylene generator.
Getters, Producing. C. Herzog and P. A. Hauck. 2,344,931; Mar. 21.
Glassware, Tempering. G. D. Mylchreest. 2,344,630; Mar. 21.
Golf ball. H. N. Huse. 2,344,873; Mar. 21.
Governor. R. M. Heintz. 2,344,867; Mar. 21.
Grinding mill. L. Dotzer. 2,344,504; Mar. 21.
Groove dressing tool. H. H. Johnson. 2,344,880; Mar. 21.
Guanamines, Preparing. W. N. Oldham. 2,344,784; Mar. 21.
Gum bases, Preparing chewing. C. E. Hartwig and B. N. Lougovoy. 2,344,916; Mar. 21.
Gun mounting. G. S. Selman. 2,344,566; Mar. 21.
Gun perforator device. C. H. Keplinger. 2,344,778; Mar. 21.
Hanger: *See*—
Trouser hanger.
Harvester, Subsurface crop. A. C. Wood. 2,344,663; Mar. 21.
Hat cover. R. J. Weikert. 2,344,927; Mar. 21.
Heat transfer device. W. S. Blauvelt. 2,344,588; Mar. 21.
Heating and cooling system. W. L. McGrath. 2,344,555; Mar. 21.
Heating apparatus. F. A. Gill. 2,344,812; Mar. 21.
High power timing neon lamp. J. D. Morgan and E. C. Lang. 2,344,518; Mar. 21.
Hoist, Boom. F. L. White. 2,344,796; Mar. 21.

Holder: *See*—
Broom holder. Milk bottle holder.
Condiment holder. Multiple tool holder.
Holder for ice cream cones. C. Brazier. 2,344,937; Mar. 21.
Hood latch for horizontally hinged hood closures. W. H. Krause. 2,344,705; Mar. 21.
Hose coupling device. E. H. Shaff. 2,344,740; Mar. 21.
Humidity controller. J. D. Askew. 2,344,530; Mar. 21.
Hydrocarbon fluids, Treating. E. D. Reeves and P. H. Holt, 2nd. 2,344,900; Mar. 21.
Hydroxy-anilido-naphthalene-sulphonamides, New. H. A. Lubs and N. M. Bigelow. 2,344,625; Mar. 21.
Illuminated display device. P. M. Ressinger. 2,344,639; Mar. 21.
Implement for tractors. E. W. Austin. 2,344,584; Mar. 21.
Indicator micrometer. G. and O. Calow. 2,344,595; Mar. 21.
Injector for Diesel engines and the like, Fuel. W. J. and W. J. Scott, Jr. 2,344,565; Mar. 21.
Internal combustion engine. W. Conradt. 2,344,496; Mar. 21.
Internal combustion engine. E. Ginn and K. Cloud. 2,344,863; Mar. 21.
Internal combustion engine. R. F. Harless. 2,344,865; Mar. 21.
Invoice form and invoicing. E. Jacobs. 2,344,819; Mar. 21.
Isomerization process. J. M. Whiteley, Jr. 2,344,890; Mar. 21.
Jar. J. T. Phipps. 2,344,725; Mar. 25.
Joint: *See*—
Clevis joint.
Joints, Means and method of making. J. H. James and H. B. Miller. 2,344,615; Mar. 21.
Key case. R. N. Ziegeweid. 2,344,581; Mar. 21.
Lamp: *See*—
High power timing neon lamp.
Lamp construction. W. T. Mears. 2,344,716; Mar. 21.
Lasting shoes. M. Cuozzo. 2,344,503; Mar. 21.
Latch: *See*—
Door latch.
Latch needle. A. R. Cole. 2,344,850; Mar. 21.
Latch operating device. C. P. Graham. 2,344,696; Mar. 21.
Latex, Oxidation of synthetic. V. E. Wellman. 2,344,843; Mar. 21.
Lease forming attachment. W. J. O'Connor. 2,344,721; Mar. 21.
Lifesaving apparatus. E. F. Spanner. 2,344,652; Mar. 21.
Lifter roof. O. A. Bailey. 2,344,499; Mar. 21.
Light stabilized vinylidene chloride product. R. F. Boyer, L. A. Matheson and C. L. Moyle. 2,344,489; Mar. 21.
Lighting installation. J. D. Whittaker. 2,344,935; Mar. 21.
Lipstick. E. Kairalla. 2,344,883; Mar. 21.
Liquid separating apparatus. J. P. Rathbun. 2,344,898–9; Mar. 21.
Load supporting device. A. R. Schwan. 2,344,644; Mar. 21.
Loading and unloading device. T. R. Robinson. 2,344,923; Mar. 21.
Loading apparatus. H. M. Sloat. 2,344,650; Mar. 21.
Lock: *See*—
Automobile door lock. Safety vehicle door lock.
Permutation lock.
Loom. J. O. Hunt. 2,344,777; Mar. 21.
Lubricant composition. E. Lieber. 2,344,886; Mar. 21.
Lure, Fish. C. Wood. 2,344,580; Mar. 21.
Machine for expanding hollow articles. A. E. Ushakoff. 2,344,572; Mar. 21.
Machine for making cellulose sheets and the like. E. Czapek. 2,344,603; Mar. 21.
Machine for making hollow bodies. J. C. Kolderman and W. K. Speckin. 2,344,779; Mar. 21.
Machine for welding. E. J. P. James. 2,344,875; Mar. 21.
Machine tool transmission and control mechanism. J. B. Armitage. 2,344,529; Mar. 21.
Magnus effect, Increasing the. H. P. Massey. 2,344,515; Mar. 21.
Marking machine. J. E. Ferguson. 2,344,930; Mar. 21.
Mask, Frost. G. P. Maggi. 2,344,920; Mar. 21.
Mask, Oxygen. S. A. Morehouse. 2,344,718; Mar. 21.
Mastic composition. E. A. Lasher. 2,344,709; Mar. 21.
Measuring device. A. F. Groll. 2,344,508; Mar. 21.
Measuring earth potentials. H. Blasier. 2,344,672; Mar. 21.
Meter: *See*—
Fluid meter.
Mica, Processing. H. B. Barlett. 2,344,670; Mar. 21.
Micrometer. W. H. Coward. 2,344,498; Mar. 21.
Micrometer height gauge. A. W. Jarosz. 2,344,878; Mar. 21.
Mill: *See*—
Grinding mill.
Milk bottle holder. S. Maurer. 2,344,715; Mar. 21.
Moistureproof strain gauge. E. E. Simmons, Jr. 2,344,648; Mar. 21.
Mold. J. B. Seifert. 2,344,738; Mar. 21.
Molding composition. K. E. Ripper. 2,344,733; Mar. 21.
Molding strip or the like. H. B. Warren. 2,344,576; Mar. 21.
Molding strips, Manufacturing. H. B. Warren. 2,344,575; Mar. 21.
Motor: *See*—
Oscillating knife motor.
Motor control mechanism for printing telegraph apparatus. B. S. Swezey. 2,344,792; Mar. 21.
Motor operated toggle valve. C. W. Bryant. 2,344,594; Mar. 21.
Mounting: *See*—
Gun mounting.
Multiple tool holder. P. A. Guenther. 2,344,509; Mar. 21.
Needle-vibrating mechanism for sewing machines. F. Parry. 2,344,632; Mar. 21.
Neon sign. S. S. Guyral. 2,344,815; Mar. 21.
Neutralizing circuit. W. Van B. Roberts. 2,344,734; Mar. 21.
Noise reduction system. R. L. Hollingsworth. 2,344,697; Mar. 21.
Nonstaining coated fabric. M. H. Chamberlin. 2,344,495; Mar. 21.
Nozzle, Air. F. W. Brubaker. 2,344,492; Mar. 21.
Oil blends, Lubricating. D. W. Young and H. C. Evans. 2,344,912; Mar. 21.
Oil burner. T. I. Krauska. 2,344,822; Mar. 21.
Oils, Destructive hydrogenation of hydrocarbon. L. Schmerling. 2,344,789; Mar. 21.
Oils, Sweetening hydrocarbon. G. S. Windle. 2,344,910; Mar. 21.
Oligodynamic sterilization, Method and apparatus providing a continuously effective source for. A Goetz. 2,344,548; Mar. 21.
Optical objective. A. Warmisham. 2,344,756; Mar. 21.
Ornament. J. E. Langley. 2,344,620; Mar. 21.
Ornament, Expanding. J. M. Pettorossi. 2,344,723; Mar. 21.
Ornament, Pliable reinforced. B. Berg. 2,344,846; Mar. 21.
Oscillating knife motor. H. H. Wheeler. 2,344,928; Mar. 21.
Packaging machine, High speed cigarette. C. Arelt. 2,344,666; Mar. 21.
Packaging method. P. I. Rogers. 2,344,640; Mar. 21.
Pad. C. W. Greenhill. 2,344,549; Mar. 21.
Painting machine, Spray. G. P. Short. 2,344,905; Mar. 21.
Paraffins, Isomerizing. C. S. Lynch and J. H. Bartlett. 2,344,889; Mar. 21.
Permutation lock. S. D. Foster. 2,344,860; Mar. 21.
Phenol from salicylaldehyde, Separation of. W. C. Stoesser. 2,344,791; Mar. 21.
Photographic shutter operating mechanism. A. Schwarz. 2,344,645; Mar. 21.
Photopolymerization method. J. S. Owens, J. Heerema, and G. W. Stanton. 2,344,785; Mar. 21.
Pier. D. A. Muller. 2,344,782; Mar. 21.
Pile fabric. R. R. Cone. 2,344,537; Mar. 21.
Piston mechanism. E. E. Hewitt. 2,344,869; Mar. 21.
Piston rings, Method and apparatus for crowning. E. A. Ryder. 2,344,924; Mar. 21.
Plane. J. L. Pringle. 2,344,897; Mar. 21.
Plate, Planographic. W. T. Hagelin. 2,344,510; Mar. 21.
Plunger, Pump. C. A. Fischer, D. T. Harbison, and C. A. Mercer. 2,344,687; Mar. 21.
Plywood panels, Making. M. Pasquier. 2,344,722; Mar. 21.
Pocket, Detachable transfer. J. P. Durning. 2,344,769; Mar. 21.
Power take-off clutch. R. L. Brownlee. 2,344,592; Mar. 21.
Press: *See*—
Die spotting press. Printing press.
Printing and bursting machine. M. J. O'Connell. 2,344,720; Mar. 21.
Printing plates, Preparing. E. Bassist. 2,344,487; Mar. 21.
Printing press. W. J. Hanson. 2,344,609; Mar. 21.
Production of salts by base-exchanging substances. H. Johnsen. 2,344,617; Mar. 21.
Propellant powder. G. A. McBride. 2,344,516; Mar. 21.
Propeller, Reinforced. C. B. Jamison. 2,344,876; Mar. 21.
Protector: *See*—
Garment protector.
Pulley, Self-aligning. R. F. Hlavaty. 2,344,817; Mar. 21.
Pump: *See*—
Adjustable stroke pump. Gear pump.
Gas lift pump.
Pump. E. A. Stalker. 2,344,835; Mar. 21.
Punch, Multiplying. H. P. Mixer. 2,344,626; Mar. 21.
Quaternary nitrogen condensation products of methylol urea ethers. H. J. West. 2,344,934; Mar. 21.
Rack: *See*—
Tool rack.
Rack for dip coating sheetlike material. M. I. Dorfan. 2,344,855; Mar. 21.
Radio recorder, Multiple unit. J. T. Potter. 2,344,562; Mar. 21.

Radio tuning mechanism. W. P. Lear. 2,344,825; Mar. 21.
Railway car side door. G. G. Gilpin. 2,344,506; Mar. 21.
Railway traffic controlling apparatus. J. J. Van Horn. 2,344,573; Mar. 21.
Railway truck. W. H. Meyer and E. C. Jackson. 2,344,521; Mar. 21.
Railway truck. H. M. Pflager and E. C. Jackson. 2,344,522; Mar. 21.
Range finder, Telescopic. G. Liebl. 2,344,887; Mar. 21.
Receptacle cover. A. Ottesen. 2,344,894; Mar. 21.
Recoil absorber for firearms. M. Utz. 2,344,752; Mar. 21.
Recorder, Time and production. P. A. Cooney. 2,344,497; Mar. 21.
Recording mechanism. E. D. Burts. 2,344,675; Mar. 21.
Reel: *See*—
  Antenna operating reel.
Re-entrant window for X-ray apparatus. J. H. Findlay. 2,344,543; Mar. 21.
Refrigerating apparatus. A. A. Kucher. 2,344,706; Mar. 21.
Refrigeration. F. M. Raver. 2,344,922; Mar. 21.
Remote controller. L. J. Andres. 2,344,914; Mar. 21.
Repeater, Impulse. K. W. Pfleger. 2,344,633; Mar. 21.
Repeater, Radio. H. E. Goldstine. 2,344,813; Mar. 21.
Resin of the indene-styrene-homolog coumarone type, Producing a. E. L. Cline. 2,344,676; Mar. 24.
Respirator, Dust. M. E. Barker, P. E. Young, and J. N. Bruce. 2,344,669; Mar. 21.
Reversing valve. W. O. Martin. 2,344,714; Mar. 21.
Rivet. H. E. and V. I. Mills. 2,344,717; Mar. 21.
Rod: *See*—
  Casting rod.
Roller. G. W. Hutchinson. 2,344,701; Mar. 21.
Rotary fluid pressure motor, pump, and the like. E. H. Johnson. 2,344,879; Mar. 21.
Rubber hydrochloride composition. G. E. Hulse. 2,344,776; Mar. 21.
Rubber valve stem. O. W. Hosking. 2,344,932; Mar. 21.
Safety operating control for machines. B. J. Yanchenko. 2,344,763; Mar. 21.
Safety roller coupling. L. H. Brown. 2,344,673; Mar. 21.
Safety vehicle door lock. S. G. Le Gresley. 2,344,826; Mar. 21.
Salts of certain methylene diamines with certain petroleum sulphonic acides. M. De Groote. 2,344,539; Mar. 21.
Salts, Production of. D. C. Bardwell. 2,344,929; Mar. 21.
Scale, Weighing. E. J. Eisner. 2,344,684; Mar. 21.
Screen: *See*—
  Deep well screen.
Seal, Binder strap. G. A. Crosby. 2,344,804; Mar. 21.
Separator: *See*—
  Battery separator. Centrifugal separator.
Shaker conveyer. L. F. Crawford. 2,344,602; Mar. 21.
Shaker conveyer. J. H. Holstein. 2,344,871; Mar. 21.
Shirt collar support. J. W. McVay. 2,344,712; Mar. 21.
Shoe, Resilient ventilated. W. D. Wylie. 2,344,762; Mar. 21.
Shovel pockets and the like, Forging. W. W. Criley. 2,344,803; Mar. 21.
Shovel, Power. A. H. Kiesel. 2,344,821; Mar. 21.
Sighting device. C. G. Axtmann. 2,344,668; Mar. 21.
Sign: *See*—
  Neon sign.
Signal: *See*—
  Automobile signal.
Signal system, Highway crossing. A. E. Reid. 2,344,732; Mar. 21.
Signaling system. C. E. Beach. 2,344,500; Mar. 21.
Sleeve, Protective. L. V. Montgomery. 2,344,893; Mar. 21.
Slide-fastened closure construction for rigid containers. N. A. Fowler. 2,344,861; Mar. 21.
Sling. A. R. Baldeschwieler. 2,344,844; Mar. 21.
Soldering device. P. Bogner. 2,344,589; Mar. 21.
Sole positioning device. L. J. Bazzoni. 2,344,531; Mar. 21.
Sound recording apparatus. C. D. Shrader. 2,344,646; Mar. 21.
Space sterilization. S. C. Coey and J. W. Spiselman. 2,344,536; Mar. 21.
Spectrochemical analysis method. R. E. Nusbaum and J. W. Hackett. 2,344,719; Mar. 21.
Spectrophotometric particle mixture cam. E. I. Stearns, Jr. 2,344,748; Mar. 21.
Spiral oil filter. J. L. Breese. 2,344,590; Mar. 21.
Spirals or rolls, Method and apparatus for accumulating material in. W. B. Walt. 2,344,661; Mar. 21.
Splint tensioning device. R. H. A. Paley and D. W. H. Hardy. 2,344,631; Mar. 21.
Spool construction, Fishing reel. W. L. Adams. 2,344,665; Mar. 21.
Spout, Pouring. M. de Cosmo. 2,344,680; Mar. 21.
Stacker operating mechanism for tractors. P. H. O. Weber. 2,344,795; Mar. 21.
Stage, Transportable. W. Podolin. 2,344,726; Mar. 21.
Stall, Starting. J. W. MacClatchie. 2,344,713; Mar. 21.
Starter circuit for motor vehicles. L. S. Snyder. 2,344,568; Mar. 21.
Steam engine valve mechanism. T. D. Crawford, R. L. Woodall, and A. G. Osterberg. 2,344,802; Mar. 21.
Steam heating system. B. J. Ingram. 2,344,874; Mar. 21.
Steering gear. W. S. Berry. 2,344,848; Mar. 21.
Stenotype copyholder. H. G. Sullivan. 2,344,655; Mar. 21.
Storing and handling case for phonograph records. D. A. Kelly. 2,344,919; Mar. 21.
Storing liquefied gas mixtures, Method of and apparatus for. L. I. Dana and G. H. Zenner. 2,344,765; Mar. 21.
Strand covering apparatus. W. T. Barrans. 2,344,586; Mar. 21.
Strip welding, Method of and apparatus for. J. H. Bucknam, A. J. Miller, and S. H. Royer. 2,344,534; Mar. 21.
Sulphur dyes of the hydroxy-anilino-naphthalene-sulphonamide type. H. A. Lubs and N. M. Bigelow. 2,344,624; Mar. 21.
Support: *See*—
  Shirt collar support.
Switch: *See*—
  Directional signal switch. Enclosed electric safety-switch.
  Electric switch.
  Electromagnetically operated switch.
Switch and signal control system for railroads. N. D. Preston and F. B. Hitchcock. 2,344,728; Mar. 21.
Switching means for interconnecting coaxial conductors. W. Kram and F. L. J. Jarvis. 2,344,780; Mar. 21.
Synchronization of deflecting circuits. G. L. Fredendall and A. C. Schroeder. 2,344,810; Mar. 21.
Tank: *See*—
  Army tank.
Tap supporting carriage for lathes. R. G. Le Tourneau and C. Graham. 2,344,622; Mar. 21.
Target carrier. F. E. McAvoy. 2,344,829; Mar. 21.
Telephone cord connecting block. G. Deakin. 2,344,766; Mar. 21.
Telephone intercept system. W. T. Powell. 2,344,634; Mar. 21.
Telephone line circuit. M. B. Staszak. 2,344,653; Mar. 21.
Telephone system. J. Levy, R. M. Moore and H. Haves. 2,344,623; Mar. 21.
Television transmitting system. A. N. Goldsmith. 2,344,695; Mar. 21.
Temperature compensated strain gauge. A. C. Ruge. 2,344,642; Mar. 21.
Terpene derivative. E. Ott. 2,344,831; Mar. 21.
Terpene derivative. A. L. Rummelsburg. 2,344,833; Mar. 21.
Textile materials, Treatment of. R. J. Mann, R. Martin, and W. Palmer. 2,344,557; Mar. 21.
Timer, Cooking. J. De Haes. 2,344,853; Mar. 21.
Timing mechanism for washing machines. T. R. Smith. 2,344,651; Mar. 21.
Tire patch. C. A. Cornell. 2,344,677; Mar. 21.
Tire, Pneumatic. O. Liermann. 2,344,827; Mar. 21.
Tire tool. E. G. Krantz. 2,344,704; Mar. 21.
Toaster. W. R. Weeks. 2,344,842; Mar. 21.
Tool: *See*—
  Abrading tool. Groove dressing tool.
  Dental tool. Tire tool.
  Flexible shaft winding tool. Wall scraper and well logging tool.
Tool device. W. C. Smith. 2,344,925; Mar. 21.
Tool rack. C. G. Dowd. 2,344,540; Mar. 21.
Toy. P. F. and E. C. Gosswein. 2,344,607; Mar. 21.
Toy airplane and its manufacture. H. F. Gade. 2,344,693; Mar. 21.
Tractor, Crawler. L. E. Younie. 2,344,764; Mar. 21.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,344,702; Mar. 21.
Trailer. W. A. Heinrich. 2,344,551; Mar. 21.
Trailer stabilizer. E. C. McDaniel. 2,344,921; Mar. 21.
Transmission. B. A. Swennes. 2,344,656; Mar. 21.
Transmitting system, Television. O. H. Schade. 2,344,736; Mar. 21.
Tray, Ash. J. K. Dodge and M. W. Johnson. 2,344,682; Mar. 21.
Trouser hanger. J. De Gray. 2,344,604; Mar. 21.
Truck. W. G. Venard. 2,344,755; Mar. 21.
Try-square attachment. J. A. Phillips. 2,344,724; Mar. 21.
Tube carton. C. I. Elliott. 2,344,857; Mar. 21.
Tubular body. E. C. Crowley. 2,344,538; Mar. 21.
Tubular connection and sealing means therefor. E. Howe. 2,344,698; Mar. 21.
Tunable high frequency circuits. J. B. Sherman. 2,344,741; Mar. 21.
2-aminopyrimidine, Producing. E. Kuh. 2,344,707; Mar. 21.
Undergarment, Seatless. Z. Brown. 2,344,674; Mar. 21.

Valve: *See*—
  Motor operated toggle valve. Reversing valve.
Valve. W. E. Ager. 2,344,913; Mar. 21.
Valve. J. Hutton. 2,344,818; Mar. 21.
Valve control means. O. Thiel. 2,344,658; Mar. 21.
Valve seat construction. O. Thiel. 2,344,657; Mar. 21.
Variable load brake. E. S. Cook. 2,344,851; Mar. 21.
Variable load brake. E. E. Hewitt. 2,344,868; Mar. 21.
Vegetables, Drying of. A. Vang. 2,344,754; Mar. 21.
Vehicle: *See*—
  Air conditioned vehicle.
Vehicle clutch and transmission control. S. Jory. 2,344,881; Mar. 21.
Vehicle direction signaling system. E. L. Rairdon. 2,344,637; Mar. 21.
Vehicle steering mechanism. T. H. and W. H. Briggs. 2,344,797; Mar. 21.
Vertical hammermill discharge. H. H. Harris. 2,344,611; Mar. 21.
Wall scraper and well logging tool. W. L. Church. 2,344,598; Mar. 21.
Wallboard. P. W. Codwise. 2,344,600; Mar. 21.
Walnut cutting machine. J. F. McNutt and R. E. Colby. 2,344,711; Mar. 21.
Water closet. W. E. Sloan. 2,344,649; Mar. 21.
Watermarking coated paper. G. C. Munro. 2,344,783; Mar. 21.
Water-repellent fabric. W. J. Thackston and S. N. Glarum. 2,344,926; Mar. 21.
Wattmeter, Radio frequency. C. A. Rosencrans. 2,344,641; Mar. 21.
Wave amplifier, Detected frequency modulated. J. A. Rankin. 2,344,731; Mar. 21.
Wave transmission system. R. D. Kirkland. 2,344,884; Mar. 21.
Web dispenser. F. P. Vaughan, A. G. Krueger, N. J. Slye, and J. B. Engel. 2,344,660; Mar. 21.
Weld-rod coating. P. C. Lemmerman. 2,344,621; Mar. 21.
Winch construction. L. Berner. 2,344,587; Mar. 21.
Window construction. K. Janigian. 2,344,877; Mar. 21.
Window construction. C. A. Shogren. 2,344,904; Mar. 21.
Woodworking machine. W. B. Boice. 2,344,502; Mar. 21.
Work-holding means for cutting machines and the like. W. C. Tucker. 2,344,907; Mar. 21.
X-ray photograph marking, and making same. C. R. Landis and W. L. Culpepper. 2,344,823; Mar. 21.
X-ray photographs, Making. C. R. Landis and W. L. Culpepper. 2,344,824; Mar. 21.
Zinc from lead, Removal of. W. T. Monson. 2,344,629; Mar. 21.

CLASSIFICATION OF PATENTS

ISSUED MARCH 21, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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22: 2,344,868
54: 2,344,768
9: 2,344,571
23: 2,344,687
186: 2,344,800
29: 2,344,775
29: 2,344,810
100: 2,344,774

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,344,518:	240—	1	2,344,578:	260—	22	2,344,672:	171—	95	2,344,775:	314—	29
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2,344,820:	219—	20	2,344,925:	29—	98						
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U. S. GOVERNMENT PRINTING OFFICE: 1944

Patents Nos. 2,344,938 to 2,345,549

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Trade-Marks	80—No.	406,317 to No.	406,397, inclusive.
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Reissues	5—No.	22,459 to No.	22,463, inclusive.
Plant Patents	1—No.	621	
Patents	612—No.	2,344,938 to No.	2,345,549, inclusive.
Designs	56—No.	137,521 to No.	137,576, inclusive.
Total	832		

Trade-Mark Registrations Canceled

69,682. Canned salmon. The Yakutat & Southern Railway Co. Seattle, Wash. Registered June 30, 1908. Canceled February 29, 1944.

192,061. Preparation for the treatment of rheumatism, neuralgia, neuritis, sciatica, lumbago and all rheumatic pains. Ruma-Kil Chemical Company, Atlanta, Ga. Registered November 25, 1924. Canceled January 24, 1944.

229,074. Straw hats for men, women and children. Wm. T. Christmas & Company, St. Louis, Mo. Registered June 21, 1927. Canceled February 29, 1944.

257,020. Tonic for female troubles. American Chemical & Drug Co., Inc., Olyphant, Pa. Registered May 28, 1929. Canceled February 29, 1944.

294,816. Preparation for the treatment of athlete's foot and golfer's itch. Hilda O. Greenwell, doing business as The Central Distributors, St. Louis, Mo. Registered June 7, 1932. Canceled January 24, 1944.

296,901. Boys' knickers, trousers, boys' suits, long pants, and english shorts. Ellmar Company, Inc., New York, N. Y. Registered August 23, 1932. Canceled January 24, 1944.

398,846. Cheese. Frank Ryser Co., doing business as Red Rooster Foods, Chicago, Ill. Registered November 24, 1942. Canceled February 29, 1944.

401,572. Liquid adapted for neutralization of acids exuding from dental cement. Joseph H. Schlesinger, D. D. S., doing business as Eagle Chemical Co., New York, N. Y. Registered May 25, 1943. Canceled January 24, 1944.

402,035. Silver polish and jewelry cleaner. Walter H. Wilkening, doing business as Gemetal Company, Cincinnati, Ohio. Registered June 22, 1943. Canceled January 24, 1944.

402,145. Sealing compound for tire inner tubes. Maurice Malasky, doing business as Safe-T-Seal Mfg. Co., Washington, D. C. Registered June 29, 1943. Canceled January 24, 1944.

402,368. Concentrate of minerals and vitamins for use as a supplement to the diet. Chas. Northen, Tampa, Fla. Registered July 13, 1943. Canceled February 29, 1944.

403,322. Ladies' garments—namely, beach hats, play suits, sun suits, halters, jackets, coats, outer shirts, outer shorts, overalls, slacks, outer skirts, culottes, and ensembles of the aforementioned. Harold C. Myers, doing business as E. B. Myers Co., Los Angeles, Calif. Registered September 14, 1943. Canceled February 29, 1944.

403,649. Corn starch obtained from so-called "waxy-maize." American Maize-Products Company, New York, N. Y. Registered October 5, 1943. Canceled February 29, 1944.

Classification Bulletin No. 86

Classification Bulletin No. 86 is now available and may be purchased from the Commissioner of Patents for ten cents.

Adjudicated Patents

(C. C. A. 2.) Suekoff patent, No. 1,793,724, for spring assembly for upholstery, claims 1 and 2 *Held* infringed. *Nachman Spring-Filled Corporation* v. *Kay Mfg. Co.*, 139 F.(2d) 781.

(D. C. Ohio.) O'Leary patent, No. 1,971,793, for electrical apparatus, claims 3, 6, and 7 *Held* invalid. *O'Leary* v. *Liggett Drug Co.*, 53 F. Supp. 288.

(D. C. Calif.) Behr patent, No. 2,166,103, for art of treating fatty oils, *Held* valid and infringed. *Vegetable Oil Products Co.* v. *Dorward & Sons Co.*, 53 F. Supp. 281.

(D. C. Calif.) Behr patent, No. 2,239,692, for continuous process of treating oils, *Held* valid and infringed. *Id.*

Condition of Applications Under Examination at Close of Business March 11, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,515; Trade-Mark Division, 1,114. Oldest new case, Apr. 21, 1943; oldest amended, Apr. 30, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 10	Nov. 19	397
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 3	Sept. 8	477
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 7	July 23	953
4. BISHOP, WALTER C., Conveyers; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 13	July 30	499
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Aug. 25	Aug. 6	889
6. GENIESSE, E. W., Carbon Chemistry (part)	July 3	Aug. 9	1252
7. JARBOE, C. G., Optics, Photography	Nov. 6	Oct. 1	714
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 8	Oct. 27	465
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 21	Aug. 21	704
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Oct. 20	Oct. 16	304
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 17	July 1	876
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Sept. 15	Sept. 24	503
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Nov. 11	Nov. 3	577
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Aug. 18	Aug. 31	742
16. SPENCER, C. J., Telegraphy; Telephony	Sept. 29	Oct. 2	548
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 15	July 27	531
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Apr. 21	Apr. 30	811
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 12	Aug. 23	473
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 13	Sept. 25	424
21. THOMPSON T. J., Textiles	Oct. 16	Sept. 18	382
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	July 19	July 20	1154
23. BARROWS, B., Cash Registers; Calculators (part)	June 17	June 10	188
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Oct. 12	Oct. 11	534
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 3	Sept. 6	713
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 14	June 25	875
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 10	June 15	555
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	July 8	June 11	699
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 6	Oct. 11	578
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	June 10	June 10	997
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Sept. 30	Sept. 28	1141
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 18	Aug. 18	628
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 15	Oct. 18	634
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Oct. 16	Aug. 13	539
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 11	Oct. 1	424
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 18	Oct. 15	320
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 18	Aug. 10	675
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	July 14	July 15	481
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 6	Oct. 20	590
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 19	Nov. 6	578
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 17	July 21	405
42. MARANS, H., Electric Signaling	Nov. 11	Oct. 29	374
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 31	Aug. 6	739
44. HARVEY, L. P., Refrigeration; Preserving	Sept. 6	July 16	374
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Sept. 16	Sept. 17	809
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 14	Sept. 25	518
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Oct. 4	Oct. 7	656
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	July 27	Aug. 3	857
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 14	Aug. 21	605
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Aug. 25	Aug. 25	1312
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	Aug. 3	Aug. 3	1350
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 15	Aug. 28	749
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies; Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 18	Aug. 7	350
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 4	May 21	702
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	July 20	July 17	631
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 8	Sept. 9	737
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	June 20	July 27	611
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 6	July 29	603
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Aug. 6	Aug. 2	1309
60. GLASS, R. L., Electricity, Heating; Welding; Furnaces; Batteries and their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats, Prime Mover Dynamo Plants.	July 19	July 19	699
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	July 20	Aug. 14	428
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Oct. 25	Nov. 5	629
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	July 13	July 10	918
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Oct. 20	Oct. 20	1015
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission: Telephony, Repeaters and Relays (e. g., Amplifiers).	June 10	June 7	873
Trade-Marks: RICHMOND, F. A	†Jan. 25	†Jan. 26	1114
Designs: KALUPY, H. H	†Feb. 3	†Feb. 17	438

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

THE MERCOID CORPORATION
v.
MINNEAPOLIS-HONEYWELL REGULATOR COMPANY

Nos. 58 and 59. Decided January 3, 1944

1. PATENTS—NATURE AND SCOPE OF GRANT.

"The fact that an unpatented part of a combination patent may distinguish the invention does not draw to it the privileges of a patent. That may be done only in the manner provided by law. However worthy it may be, however essential to the patent, an unpatented part of a combination patent is no more entitled to monopolistic protection than any other unpatented device."

2. SAME—SAME—COMBINATION.

"A patent on a combination is a patent on the assembled or functioning whole, not on the separate parts."

3. SAME—EXPANSION OF MONOPOLY.

"The legality of any attempt to bring unpatented goods within the protection of the patent is measured by the anti-trust laws not by the patent laws."

4. ANTI-TRUST LAWS—CONTROL OF COMPETITION IN UNPATENTED DEVICE.

Where respondent, Minneapolis-Honeywell Regulator Company, as the owner of the Freeman patent, No. 1,813,732, covering a system of hot air furnace control whose operation requires a room thermostat to start the stoker, another thermostat (or limit switch) to break the stoker circuit when the air in the furnace reaches a predetermined temperature, and a third thermostat to control the fan forcing hot air from the furnace to the rooms, licensed competitors under this patent by licenses which granted a non-exclusive right to make, use and sell a "combination furnace control" defined as a thermostatic switch usable for a Freeman installation and designed in one unit to control the fan and limit circuits, with royalty payments based on the sales of these combination furnace controls *Held* that the effort made to control competition in the unpatented combination furnace control violated the anti-trust laws.

5. PATENTED—INFRINGEMENT—DEFENSES.

"It follows that petitioner is entitled to be relieved against the consequences of those acts. It likewise follows that respondent may not obtain from a court of equity any decree which directly or indirectly helps it to subvert the public policy which underlies the grant of its patent."

ON WRITS of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit. Reversed.

Mr. George L. Wilkinson for The Mercoid Corporation.

Mr. Will Freeman (*Mr. W. P. Bair*, *Mr. George H. Fisher*, and *Messrs. Bair & Freeman* with him on the brief) for Minneapolis-Honeywell Regulator Company.

Mr. Charles Fahy, Solicitor General, *Mr. Wendell Berge*, Assistant Attorney General, *Mr. Walton Hamilton*, *Mr. Elliott H. Moyer*, *Mr. Robert C. Barnard*, and *Mr. Edwin Pewett*, filed brief on behalf of United States as amicus curiae.

Mr. Justice DOUGLAS delivered the opinion of the Court.

These are companion cases to *Mercoid Corp.* v. *Mid-Continent Investment Co.*, Nos. 54 and 55, decided this day. One suit was instituted by petitioner, the other by respondent. Petitioner sought a declaratory judgment to the effect that the Freeman patent, No. 1,813,732, was invalid and that petitioner did not infringe it, that respondent had used the Freeman patent in violation of the anti-trust laws, that respondent be restrained from threatening petitioner and its customers with infringement suits, that an accounting be had and treble damages awarded. Respondent in its bill sought a decree sustaining the validity of the Freeman patent and declaring that petitioner had infringed and contributed to the infringement of its claims. In the latter action petitioner filed a counterclaim praying for substantially the same relief as in its earlier bill. After issues were joined the causes were consolidated and tried together. The district court said that the Freeman patent was valid and that Mercoid was guilty of contributory infringement. But it held that Minneapolis-Honeywell was using the patent as a means of controlling an unpatented device contrary to the rule of *Morton Salt Co.* v. *G. S. Suppiger Co.*, 314 U. S. 488, 536 O. G. 3. Accordingly, it dismissed both complaints. 43 F. Supp. 878. On appeal the circuit court of appeals held that the patent claims in issue were valid and that Mercoid had infringed them. But it disagreed with the district court that respondent had sought to extend the scope of the patent in violation of the anti-trust laws. Accordingly, it reversed the judgment of the district court, dismissing respondent's bill and affirmed it as respects the relief claimed by petitioner. 133 F.(2d) 811.

The Freeman patent, as found below, covers a system of hot air furnace control which requires three thermostats for its operation. A room thermostat starts the stoker. Another thermostat (or limit switch) breaks the stoker circuit when the air in the furnace reaches a predetermined temperature, irrespective of the fact that the room thermostat may still call for heat. This second thermostat operates to prevent unsafe conditions due to overheating. The third thermostat is also in the furnace. It controls a fan which forces hot air from the furnace to the rooms. It does not permit the fan to start until the air in the furnace reaches a specified degree of heat. But at that point it starts the fan which continues to run, even though the limit switch has stopped the stoker, so long as the furnace is hot and the room thermostat calls for heat. The district court found that the Freeman patent was a combination patent on a system of furnace control which requires those three thermostats for its operation and that it was not a patent on "either the fan switch or the limit switch or both of them." That finding was not disturbed by the circuit court of appeals, which held that Free-

man's "advance in the art" was the arrangement of thermostatic switches, subject to furnace heat to secure in connection with other parts the "sequence of operations" which we have described.

Minneapolis-Honeywell has licensed five of its manufacturing competitors under the Freeman patent. The licensees are granted a non-exclusive right under the patent to make, use and sell a "combination furnace control" which is defined as a thermostatic switch usable for a Freeman installation and designed in one unit to control the fan and limit circuits. Royalty payments to Minneapolis-Honeywell are based on the sales of the combination furnace controls, although the circuit court of appeals found that the only Minneapolis-Honeywell control

"which gets protection as a result of the licenses is the control usable only for a Freeman type installation."

Each licensee is required to insert in its catalogues or other sales literature and to attach to each combination furnace control sold a notice to the effect that the control includes a license for one installation of the Freeman heating system. The licenses establish minimum prices for the sale of the controls; and those prices must not be cut by the licensees through the inclusion of "extras" or through the reduction of charges for services. Price lists are attached governing sales to manufacturers, jobbers, wholesalers, and dealers. Equal terms to all licensees are provided. Minneapolis-Honeywell tried on several occasions to induce Mercoid to take a license. Being unsuccessful it brought its present suit.

Neither the petitioner nor the respondent sells or installs the Freeman system in furnaces; that is to say, they do not practice the invention. They are competitors in supplying the switch to control the fan and limit circuits employed in such systems. That switch or combustion furnace control is unpatented [1] and respondent concedes that it is "less than the complete claimed invention." But, as we have said, the circuit court of appeals took the view that that control provides

"the sequence of operations which is the precise essence of Freeman's advance in the art."

And the accused device has, according to the circuit court of appeals

"no other use than for accomplishing the sequence of operations of the Freeman patent."

The circuit court of appeals concluded that although the combustion furnace control was unpatented, it served "to distinguish the invention" and to mark the "advance in the art" achieved by the Freeman patent. It accordingly held that the patent laws permit and the anti-trust laws do not forbid the control over the sale and use of the unpatented device which Minneapolis-Honeywell sought to achieve through its licensing agreements. We do not agree, even though we assume the patent to be valid.

[1] There is some suggestion that this device is patented. But according to the district court any such patent "is owned by some person other than Minneapolis-Honeywell and Mercoid, so that as to them and so far as this case is concerned, it is an unpatented device."

[1][2][3][4][5] The fact that an unpatented part of a combination patent may distinguish the invention does not draw to it the privileges of a patent. That may be done only in the manner provided by law. However worthy it may be, however essential to the patent, an unpatented part of a combination patent is no more entitled to monopolistic protection than any other unpatented device. For as we pointed out in *Mercoid* v. *Mid-Continent Investment Co.*, supra, a patent on a combination is a patent on the assembled or functioning whole, not on the separate parts. The legality of any attempt to bring unpatented goods within the protection of the patent is measured by the anti-trust laws not by the patent law. For the reasons stated in *Mercoid* v. *Mid-Continent Investment Co.*, supra, the effort here made to control competition in this unpatented device plainly violates the anti-trust laws, even apart from the price-fixing provisions of the license agreements. It follows that petitioner is entitled to be relieved against the consequences of those acts. It likewise follows that respondent may not obtain from a court of equity any decree which directly or indirectly helps it to subvert the public policy which underlies the grant of its patent. *Morton Salt Co.* v. *G. S. Suppiger Co.*, 314 U. S. 488, 494, 536 O. G. 3; *B. B. Chemical Co.* v. *Ellis*, 314 U. S. 495, 535 O. G. 683.

The judgment is reversed and the causes are remanded to the district court for proceedings in conformity with this opinion.

Reversed.

Mr. Justice ROBERTS, Mr. Justice REED, Mr. Justice FRANKFURTER, and Mr. Justice JACKSON concur in the result on the authority of *Morton Salt Co.* v. *G. S. Suppiger Co.*, 314 U. S. 488, 536 O. G. 3.

U. S. Court of Customs and Patent Appeals

IN RE HANSEN

No. 4,796. Decided December 7, 1943

[— F.(2d) —]

PATENTABILITY—HOSE-COUPLING.

A claim to a hose-coupling *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. James T. Hoffman and *Messrs. Kwis, Hudson, Boughton & Williams* for Hansen.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting the only claim of the application, which is for a patent alleging new and useful improvements in "Hose Coupling".

The cited references are: Eisenman, 2,024,682, December 17, 1935; Eastman, 2,069,434, February 2, 1937; Hansen, 2,092,116, September 7, 1937: Scheiwer, 2,135,222, November 1, 1938.

The rejected claim reads as follows:

5. In a coupling of the character referred to, the combination of a tubular member having an external shoulder, a second tubular member having a bore adapted to receive the first member and a radial aperture extending through the side thereof, an external abutment on said second member, a radially movable locking member in said radial aperture and engageable when in its radially inward position with said shoulder on the first-mentioned tubular member to lock the tubular members in coupled relation, a sleeve slidable on said second tubular member and adapted when in one position to retain said locking member in its radially inward position and when in another position to permit said locking member to be moved radially outwardly, an internal abutment on said sleeve, spring means interposed between said abutments for continuously urging said sleeve member into a position to retain said locking member in its radially inward position, a removable flexible gasket in said second tubular member spaced axially from said locking member and having an opening therethrough, a third tubular member threaded into said second tubular member and adapted to retain said flexible gasket in assembled position, and a spring-pressed valve in said third tubular member adapted to seat against said gasket when the first and second tubular members are uncoupled and having an extension portion projecting through the gasket opening, said first tubular member having an end portion of greater outside diameter than the opening in said gasket engageable with said extension portion of said valve for unseating the same and adapted to abut against said flexible gasket and form a seal therebetween when said first and second tubular members are brought into coupled relation.

The claim is drawn specifically to the structure disclosed in the application, and therefore no further description of the device is deemed necessary.

The Board of Appeals held that the claim reads almost word for word on Figure 7 of the Scheiwer patent, and with that holding we agree. Appellant concedes that holding, but claims that by reason of the wording of the claim there is a patentable distinction between the device of the patent and the device of his application.

Appellant contends that the first tubular member disclosed in the Scheiwer patent does not appear to be of greater external diameter than that of the opening in the gasket, and that therefore when the valve is activated by contact with the end of the said member the liquid under pressure may leak. However, we do not think that it would involve invention merely to change the relative sizes of said member and valve so that the former would fit against the flat surface of the latter, particularly in view of the devices shown in the Eisenman patent and the Hansen patent. The patentee Hansen is appellant here, and in his patent it is clearly disclosed that his tubular member at the point of contact with the gasket is wider in diameter than the aperture in the gasket and in opening the valve it directly abuts the face of the gasket.

Appellant further contends that the arrangement of the spring, in his device, which urges the sleeve to its outer position and is placed between an internal shoulder on the sleeve and an external shoulder on the second tubular member, patentably distinguishes the structure of the application from any of the prior art. Nothing is said concerning this contention in the decisions of the tribunals below. It is apparent, however, that the drawings in the Hansen patent disclose a spring which impels the sliding sleeve into the desired position, and which rests between an abutment on the sleeve and an abutment on the member over which it moves. In our opinion it would not require more than ordinary skill in the art to modify the structure of the Scheiwer patent by including the means employed in the Hansen patent to construct the device of appellant.

It is true with respect to appellant's second contention that the difference between his structure and that of the Scheiwer patent results in holding together the remainder of his assembly when the third tubular member is removed to replace the gasket, while the removal of the corresponding part in the patent disclosure apparently will cause the assembly to fall apart unless the repairman is extremely careful. However, as we have herein pointed out, such difference in structure in our opinion does not involve the exercise of the inventive faculty.

For the reasons herein set forth the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CHEVENARD

No. 4,805. Decided December 8, 1943

[— F.(2d) —]

PATENTABILITY—PROCESS FOR MAKING COMPENSATING WATCH SPRINGS.

Claims 12, 13, and 14 of appellant's application, directed to a process for making compensating watch springs *Held* unpatentable over the prior art, and claims 15 and 16 *Held* properly rejected on the ground of estoppel in view of appellant's election in response to an Office requirement.

APPEAL from the Patent Office. Affirmed.

Mr. E. F. Wenderoth (*Mr. A. Ponack* of counsel) for Chevenard.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the final rejection by the Primary Examiner of all of the claims, 12 to 16 inclusive, of an application for a patent alleging improvements in "Manufacture of Compensating Spiral Springs for Watches, Chronometers and the Like."

The application is closely related to the application of appellant in appeal No. 4,804, decided concurrently herewith.

Claim 12 is illustrative of the subject matter involved and reads as follows:

12. A process for the manufacture of compensating spiral springs for watches, chronometers and the like, which comprises the steps of taking an austenitic iron-nickel alloy containing 35–46% of Ni, 0.05–1% C, 0.5–2% Mn, 0.2–1% Si and additionally a small proportion of at least one of the elements taken from a group consisting of aluminium, titanium and boron for entering into solid solution in the austenite so as to modify the thermo-elastic anomaly and simultaneously forming with the nickel, possibly also with the iron, or both, a constituent more soluble hot than cold in the austenite, subjecting the same to a gradual wire drawing, with reheatings between the passes, down to a diameter from about 0.4 to about 1 mm., subjecting the wire to a hyperquenching, continuing the wire drawing without intermediary reheating, rolling the wire into a ribbon of a desired transverse section, winding up the ribbon into a spiral and finally fixing the latter by heating to a temperature of 500 to 700° C.

The reference cited is an article by M. A. Hunter entitled "Alloys of Iron and Nickel with Low Expansion Coefficients," Metals Handbook, 1936

Ed., American Society for Metals, Cleveland, pp. 345 to 349.

The alleged invention here, as in said related application, concerns a process for making compensating watch springs. The disclosure of the involved application differs from that of the related application only in that the alloy defined in the instant appeal, although of the same general character, is of a specifically different composition. The manipulative treatment is the same in both appeals.

Claims 12 and 13 were rejected by the Examiner as lacking invention over the reference and as failing to properly point out the alleged invention. The latter rejection was based upon the expression in the claims "modify its thermoelastic anomaly." The Examiner held such expression to be manifestly indefinite. The Examiner also held those claims to improperly include purported "Markush" groups of varying scope, in that claim 12 includes aluminum in addition to the elements in the group contained in claim 13.

Claims 14 to 16 inclusive were rejected by the Examiner on the ground of estoppel in view of appellant's election in response to an Office requirement.

The Board of Appeals modified the decision of the Examiner in that it reversed the holding of the Examiner that claims 12 and 13 were improper as to form and furthermore it grouped claim 14 with claims 12 and 13, holding that none of these claims are patentable over the prior art. In all other respects the decision of the Examiner was affirmed.

We do not deem it necessary in view of our decision in the said related appeal to discuss in detail the similarity between the alloy disclosed in the reference and that set forth in those rejected claims. It suffices to state that, as held by the Examiner, the composition of the modified Elinvar material disclosed in the reference does not differ from that called for by claim 12 except that it additionally includes 1–3% chromium and 1–3% tungsten and omits the small proportion of one or more of the group of aluminum, titanium and boron. The Examiner pointed out that the text of the reference clearly shows that the original Invar described therein discloses that such alloys have been made without chromium and further that it was noteworthy that appellant in his related application included from 4–8% chromium in the alloy. The Examiner further stated as follows:

> Moreover, the tungsten in this modified Elinvar of Hunter is equivalent to the aluminum or titanium of claim 12, according to applicant himself in view of his inclusion together of aluminum, titanium and tungsten in a purported Markush group in claim 8 of his companion application Ser. No. 208,487.

Appellant apparently does not rely upon the composition of the alloy to impart patentability to the rejected claims, for the reason that he states in his brief that

> "the essence of the invention resides primarily in the procedural steps of manipulating the alloy rather than in the precise composition of the latter."

It was held below in this, as in the related appeal, that the manipulation set out in claims 12, 13, and 14 is conventional. The manipulation disclosed in those claims is the same as the manipulation disclosed in the related appeal and our decision in that case is decisive on the question here.

Appellant in his brief here, as in that appeal, endeavors to distinguish between quenching in water as shown in the reference and the "hyperquenching" as set out in the claims, and states that the Examiner cited nothing to support his holding that the brief heating disclosed in the claims is the equivalent of a longer heating at a lower temperature. Since those contentions have been discussed in the companion case, attention is directed thereto.

In rejecting claims 15 and 16 the Examiner stated as follows:

> Claims 14 to 16 are rejected on the ground of estoppel in view of applicant's election in the penultimate sentence of remarks accompanying the amendment filed March 13, 1940, in response to the requirement in the penultimate paragraph of the Office action of September 13, 1939.

The record does not show either the Office action or appellant's election, referred to by the Examiner.

The Board of Appeals seemingly interpreted the decision of the Examiner with respect to claims 15 and 16 as follows:

> Claims 15 and 16 are clearly for different and divisible subject matter from the first group and the requirement that these two claims be divided out must be sustained.

Apparently the Board thought that the election stated by the Examiner resulted in the dividing out of claims 15 and 16. The Board of Appeals generally affirmed the decision of the Examiner with respect to those claims. No question on the Board's ruling in this respect has been discussed by the appellant. There is nothing in the record or appellant's brief upon which consideration of the Board's holding may be made.

For the reasons herein set out, the decision of the Board of Appeals is affirmed.

Affirmed.

Recording Corporate Names

Corporations wishing to prevent others registering their names as trade-marks under the act of 1905 may record their articles of incorporation in the Patent Office. The charge for such recording is $3 for each paper not exceeding 6 pages, and $1 for each additional 2 pages or less.

Disclaimers

2,032,832.—*George W. Blair* and *John F. Schott*, Mishawaka, Ind. FLOOR COVERING AND THE LIKE. Patent dated March 3, 1936. Disclaimer filed March 1, 1944, by the assignee, *Mishawaka Rubber & Woolen Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 2, 4, 10, 11, 12, 13, 14, and 15 of said patent.

2,310,038.—*John B. Rust*, Verona, N. J. SULPHAMIC ACID COMPOUNDS AND PROCESS OF MAKING SAME. Patent dated February 2, 1943. Disclaimer filed February 25, 1944, by the assignee, *Ellis-Foster Company.*

Hereby enters this disclaimer to claim 3.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING FEBRUARY, 1944

EX PARTE ARMSTRONG CORK COMPANY, Serial No. 448,445.

In a decision rendered February 1, 1944 (166 Ms. Dec. 411, 60 U. S. P. Q. 378), *First Assistant Commissioner Frazer* affirmed the action of the Examiner refusing to grant registration to Armstrong Cork Company, of Lancaster, Pa., under the provisions of the act of February 20, 1905, of a trade-mark for "gaskets, washers, rings and discs, all of fibrous material for packing and gasketing uses," the mark consisting of a checkerboard arrangement of the name "Armstrong's" successively written in crossing lines, with the letter A in a circle at each intersection, in the absence of an appropriate disclaimer of the word "Armstrong's."

The name is printed in plain block letters, but notwithstanding applicant's contention that its arrangement in the composite mark constitutes "some particular or distinctive manner" within the meaning of the statute, it was held that mere repetition does not result in distinctiveness, nor does the particular angle or variety of angles at which a name is viewed.

EX PARTE VITAPEP PRODUCTS, INC., Serial No. 451,543.

In a decision rendered February 1, 1944 (166 Ms. Dec. 413, 60 U. S. P. Q. 380), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register a trade-mark under the provisions of the act of February 20, 1905, in view of two prior registrations of marks for dog foods, one of which is the word "Vimpep," and the other is the notation "Vita-Best," displayed in association with a design, and certain descriptive wording which is disclaimed.

Applicant's mark is appropriated to prepared dog food. After quoting from applicant's brief a description of the mark sought to be registered, and stating that more simply applicant's mark is essentially the word "Vitapep," and its goods would necessarily be so known and ordered by purchasers, and further noting that in appearance applicant's mark as a whole differs considerably from both of these marks, but that is not a controlling factor, for sound and meaning are of equal importance, it was held that applicant's mark so nearly resembles either one of the registered marks as to be likely to confuse the public or to deceive purchasers when applied to identical merchandise of this character, since the notations "Vita-Best" and "Vitapep" do not differ greatly in sound, and while "Vimpep" and "Vitapep" sound less alike, in significance they are very nearly identical.

THE ARMSTRONG MFG. CO *v.* THE RIDGE TOOL COMPANY, Opposition No. 19,734.

In a decision rendered February 1, 1944 (166 Ms. Dec. 415, 60 U. S. P. Q. 377), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences dismissing the notice of opposition filed by The Armstrong Mfg. Co., of Bridgeport, Conn., to granting to The Ridge Tool Company, of North Ridgeville, Ohio, registration of the mark "Tristand" for vice benches. The opposition was based on the use by opposer of the notation "Vistand" applied to identical goods, to wit, vice benches and vice stands.

In ruling on opposer's request that the registration for which applicant has applied be refused ex parte on the ground that the notation "Tristand" applied to vice benches is merely descriptive thereof, it was noted that this contention of opposer was not asserted in the notice of opposition, and opposer is not entitled as a matter of right to urge here such ground for ex parte refusal of the registration, but it was held that the mark "Tristand" is not descriptive of vice benches but is arbitrary and fanciful.

The similarities between the marks were recognized. Were both words merely arbitrary and fanciful or were they words which had the same or a similar connotation or descriptive meaning, the possibility of confusion between them when applied to vice stands was foreseen but it was nevertheless held that the likelihood of confusion is rendered unlikely by the radical and dominating difference between the merely descriptive character of the word "Vistand" and the highly arbitrary and fanciful character of the mark "Tristand," noting that the goods to which the marks are applied are quite expensive and of the durable class and are apt to be selected and purchased with considerable discrimination and care.

MCKESSON & ROBBINS, INCORPORATED, *v.* SHOLL DENTAL LABORATORY COMPANY, Opposition No. 22,122.

In a decision rendered February 1, 1944 (166 Ms. Dec. 412, 60 U. S. P. Q. 379), *Assistant Commissioner Van Arsdale* reversed the action of the Examiner of Trade-Mark Interferences who held that the notice of opposition filed by McKesson & Robbins, Incorporated, of New York, N. Y., to granting to Sholl Dental Laboratory Company, of Houston, Texas, registration of the mark "Calle," for dentures, should be dismissed. The opposition was based on the prior use by opposer of the mark "Calox" for tooth powder and tooth paste, and registration of the mark for tooth powder.

It was held that the goods are goods of the same descriptive properties in the statutory sense, being dental goods, the tooth powder and tooth paste being closely related to the dentures as cleaners therefor, and manufacturers of dentures might be expected to also put out tooth powder and tooth paste either specially suited to the particular material of which the dentures are made or for teeth generally.

While it was recognized that persons making a side-by-side comparison of the mark "Calox" as applied to tooth paste or tooth powder and the mark "Calle" as applied to a denture would not be likely to be deceived, nevertheless applicant's dentures are sold only to dentists and the mark "Calle" appears only on the cartons or packages, so that a patient fitted with a "Calle" denture would have to rely on memory as to what the trade-mark of the denture was, and such person thereafter seeing the mark "Calox" applied to tooth paste or tooth powder would be likely, due to the similarity in sound between the marks "Calox" and "Calle," to be confused into thinking that "Calox" was the trade-mark which was applied to the dentures, as the mark was remembered, and in consequence be misled into believing the dentures and the tooth paste or tooth powder emanated from the same source. It was therefore held that the marks when applied to the respective goods should be held to be confusingly similar and the notice of opposition sustained.

THE BLACK AND DECKER MANUFACTURING COMPANY *v.* SNAP-ON TOOLS CORPORATION, Opposition No. 21,294.

In a decision rendered February 3, 1944 (166 Ms. Dec. 417, 60 U. S. P. Q. 380), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of The Black and Decker Manufacturing Company, of Towson, Md., to the application of Snap-On Tools Corporation, of Kenosha, Wis., for registration of the notation "Speedi-Centric" as a trade-mark for portable valve grinding machines and related mechanical devices. The mark has been used since May 1, 1940. The opposition was predicated upon opposer's ownership of the trade-mark "Vibro-Centric," registered for substantially the same merchandise on October 10, 1933.

In response to applicant's argument that both machines are relatively expensive and very durable, and that they are thus likely to be purchased with unusual discrimination, it was held that while these are factors to be considered, they are not of controlling importance in determining the question of confusing similarity between the marks; and of even less consequence is the fact that the present sales methods of the parties are different and that their goods do not pass through the same channels of trade, since these are conditions that may be changed at will.

In response to applicant's argument that the word "Centric" is descriptive and publici juris, and hence not subject to exclusive appropriation by opposer as part of its trade-mark, it was held that while the word "Centric" is highly suggestive, it is not merely descriptive of the particular goods involved, but, if "Centric" is descriptive of such goods, "Speedi" is at least equally so; and were applicant's reasoning adopted, it would compel an ex parte holding that applicant's mark is nonregistrable.

It was held that if these two machines, designed for the same purpose and differing only slightly in operation, are sold under the respective trade-marks "Vibro-Centric" and "Speedi-Centric," prospective purchasers may reasonably assume that they are merely different types or models of "Centric" valve grinding machines put out by the same manufacturer, and any doubt as to likelihood of confusion must be resolved in opposer's favor.

EX PARTE THE JEFFREY MANUFACTURING COMPANY, Serial No. 437,202.

In a decision rendered February 4, 1944 (166 Ms. Dec. 420, 60 U. S. P. Q. 382), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks refusing registration under the act of February 20, 1905 to The Jeffrey Manufacturing Company, of Columbus, Ohio, of the mark "Mass-Flo" for traveling conveyors, particularly of the endless chain scraper type for conveying practically any free flowing material.

It was held that the notation "Mass-Flo" applied to such conveyors aptly describes the conveyors to be such as cause the material conveyed to flow in a mass, and that the mark therefore is so predominantly descriptive of this character of the conveyors as not to be registrable under the act of February 20, 1905.

ROGERS PEET COMPANY *v.* BOOTT MILLS, Cancellation No. 4064.

In a decision rendered February 4, 1944 (166 Ms. Dec. 422, 60 U. S. P. Q. 383), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the petition filed by Rogers Peet Company, of New York, N. Y., for cancellation of a registration granted to Boott Mills, of Lowell, Mass., under the act of March 19, 1920, of the mark "Tweedwear" for piece goods, namely, corduroy, and dismissing the counterclaim filed by registrant in the answer to the petition for cancellation. Petitioner relied on a prior registration issued to it under the act of February 20, 1905, of the mark "Tweedmoor" for suits and garments thereof, overcoats and men's and boys' caps and use of the mark on such goods since prior to registrant's first use of its mark "Tweedwear."

It was held that the goods to which the marks are applied are goods of the same descriptive properties and that the marks are so similar in appearance, sound and suggestive meaning that their concurrent use on the goods to which they are applied would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers.

As to the counterclaim, it was pointed out that it fails to set forth a showing that respondent is or is likely to be injured by the registrations against which the counterclaim is directed, but, noting that in an opposition proceeding a counterclaim set up in the answer to the notice of opposition and seeking cancellation of a registration set up in the notice of opposition will not be recognized, it was held that no good reason appears why the same practice should not be followed with respect to a counterclaim filed in response to a petition for cancellation.

EX PARTE STAUFFER CHEMICAL COMPANY, Serial No. 456,408.

In a decision rendered February 4, 1944 (166 Ms. Dec. 421, 60 U. S. P. Q. 382), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks refusing registration to Stauffer Chemical Company, of San Francisco, Calif., of the mark "Peanut" for insecticides and fungicides suitable for application to various plants, including peanut plants, on the ground that the mark as applied to the goods is descriptive of those goods.

It was held that the mark does not merely suggest that the insecticides and fungicides are suitable for application to peanut plants, including their seed, but actually describes the insecticides and fungicides as being of that character and quality, and that purchasers, and particularly those desiring insecticides or fungicides for their peanut crops, would so view the word when applied to those products, and that every manufacturer or dealer in insecticides or fungicides suitable for peanuts and peanut plants should be free to call his product peanut or peanut plant insecticide or fungicide.

EX PARTE MARSHALL'S U. S. AUTO SUPPLY, INCORPORATED, Serial No. 443,045.

In a decision rendered February 4, 1944 (166 Ms. Dec. 424, 60 U. S. P. Q. 384), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks refusing registration to Marshall's U. S. Auto Supply, Incorporated, of Kansas City, Mo., of the mark "Master-tone" for radio receiving sets and parts thereof in view of a prior registration granted to another of a mark consisting of the words "Tone Master," with a musical clef between them superposed on a segment of a musical staff, the registration being for goods identical with those named in the application.

It was held that the words "Tone Master" are so dominant in the mark of the registration and so similar to applicant's mark "Master-tone" in appearance, sound and meaning that the concurrent use of the marks on the goods to which they are applied would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers.

LANTZ BROTHERS BAKING COMPANY *v.* GRANDMA CAKE CO. (GRANDMA BAKING COMPANY, ASSIGNEE, SUBSTITUTED) *v.* GRANDMA COOKIE CO. (GRANDMA BAKING COMPANY, ASSIGNEE, SUBSTITUTED), Trade-Mark Interference No. 3369.

In a decision rendered February 9, 1944 (166 Ms. Dec. 427, 60 U. S. P. Q. 421), *First Assistant Commissioner Frazer* dismissed the appeals from the decision of the Examiner of Interferences taken by Grandma Cookie Co. and Grandma Cake Co., awarding priority of use and ownership of the mark in issue to Lantz Brothers Baking Company, where, during the pendency of these appeals, the appellants assigned their registrations to a corporation known as Grandma Baking Company, and the latter concern was duly substituted for them as a party to the interference since the effect of the assignments was to divest appellants of all interest in the litigation, and the substitution raises at least one issue that was not decided by the Examiner of Interferences.

The cause was remanded to the Examiner of Interferences, with authority to conduct such further proceedings as he may deem appropriate, and to render a supplemental decision adjudicating the rights of the parties Lantz Brothers Baking Company and Grandma Baking Company.

EX PARTE THE TRAVELODGE CORPORATION, Serial No. 458,769.

In a decision rendered February 10, 1944 (166 Ms. Dec. 429, 60 U. S. P. Q. 422), *First Assistant Commissioner Frazer* denied the petition of The Travelodge Corporation, of Lynchburg, Va., that the Commissioner supervise the official actions in this case and direct the Trade-Mark Examiner to pass the application for publication. After noting that the rejection on the merits is not reviewable on petition so that the only matter properly to be considered here is the Examiner's requirement that applicant's goods be more definitely described, it was held that the Examiner rightly insisted that, in addition to the description of goods now set forth in the application as "pre-fabricated structures," the type of structure should be indicated since section 1 of the act of 1905 directs that an application to register shall specify

> "the class of merchandise and the particular description of goods comprised in such class to which the trade-mark is appropriated,"

and applicant has specified merely "the class of merchandise," without a "particular description of goods comprised in such class."

THE BORDEN COMPANY *v.* DAWE'S PRODUCTS CO., Opposition No. 19,843.

In a decision rendered February 10, 1944 (166 Ms. Dec. 430, 60 U. S. P. Q. 421), *First Assistant Commissioner Frazer* dismissed without prejudice the appeal from the action of the Examiner of Interferences sustaining the opposition of The Borden Company, of New York, N. Y., to the application

of Dawe's Products Co., of Chicago, Ill., for registration of a trade-mark on the ground that applicant's mark was confusingly similar to a mark previously registered to opposer and pleaded in the notice of opposition. Applicant filed a petition to cancel the registration and upon stipulation of the parties, the appeal was suspended pending determination of the cancellation proceeding. The cancellation proceeding having terminated in the cancellation of opposer's registration, the appeal was set for hearing.

It was held that, although it may well be that the subsequent cancellation of the registration upon which opposer relied now warrants the dismissal of the opposition, clearly it does not warrant a reversal of the decision, which was correct when rendered, so the cause was remanded to the Examiner of Interferences, whose jurisdiction was restored for the purpose of reopening the proceeding and taking such action as he may deem appropriate.

EX PARTE WARREN W. DUNNELL, Serial No. 453,099.

In a decision rendered February 11, 1944 (166 Ms. Dec. 431, 60 U. S. P. Q. 423), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks refusing to register the words "Safe Way," under the provisions of the act of February 20, 1905, as a trade-mark for toilet seat covers and held, in the absence of opposition, the mark to be registrable, noting that while applicant's mark is highly suggestive of the intended purpose or function of its product, he was unable to agree with the holding of the Examiner that the mark is clearly descriptive, or, in the language of the statute, that it

"consists * * * merely in words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods."

SANI-SMOKE, INC., *v.* LINCOLN & ULMER, INC., Opposition No, 22,197.

In a decision rendered February 15, 1944 (166 Ms. Dec. 431, — U. S. P. Q. —), *First Assistant Commissioner Frazer* dismissed the appeal taken from the action of the Examiner of Interferences sustaining the opposition filed by Sani-Smoke, Inc., of New York, N. Y., to the application of Lincoln & Ulmer, Inc., also of New York, N. Y., for the registration of a trade-mark, where applicant filed a written declaration of abandonment of the application to register, and of the trade-mark sought to be registered, and also "abandoned" its appeal, noting that a copy of the declaration of abandonment would be placed in the application file.

THE PROCTER & GAMBLE COMPANY *v.* THE DILL COMPANY, Opposition No. 22,068.

In a decision rendered February 17, 1944 (166 Ms. Dec. 432, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of The Procter & Gamble Company, of Cincinnati, Ohio, owner of the trade-mark "Camay," registered January 4, 1927, for toilet and bath soap, to the application of The Dill Company, of Norristown, Pa., for registration of the word "Carnée," as a trade-mark for liquid shampoo soap, holding that although "Carnée" and "Camay" differ somewhat in appearance, nevertheless, when pronounced they are very nearly alike; in fact, they may be spoken so as to sound substantially identical and, moreover, both appear to be fanciful terms having no significance other than as trade-marks, and are more likely to be confused than if they were ordinary words used in everyday conversation.

GLOBE KNITTING WORKS *v.* RENSELLO COMPANY, INC., Opposition No. 22,142.

In a decision rendered February 22, 1944 (166 Ms. Dec. 434, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Globe Knitting Works, of Grand Rapids, Mich., to the application of Rensello Company, Inc., of New York, N. Y., for registration of the notation "Arctic-jama" as a trade-mark for men's and boys' pajamas. Opposer relied upon a registration which was issued three years before applicant's claimed date of first use, in which the goods described include men's and boys' pajamas, and the registered mark has as its most prominent feature the notation "Polar-Jamas."

It was held that the notation of the registration and applicant's mark are so nearly the same in significance as to render the marks as a whole confusingly similar when applied to identical merchandise, notwithstanding that applicant's mark differs materially from opposer's mark in appearance and in sound, and notwithstanding that applicant pointed to several alleged registrations of the words "Arctic" and "Polar," respectively, for the same class of merchandise, and to others in which the term "jama" is incorporated as a part of composite trade-marks for pajamas.

CONSOLIDATED DAIRY PRODUCTS COMPANY *v.* PRODUCERS CREAMERY COMPANY, Opposition No. 22,224.

In a decision rendered February 22, 1944 (166 Ms. Dec. 436, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition to the application of Producers Creamery Company, of Springfield, Mo., for registration of the word "Daricraft," claimed to have been used since May 18, 1942, as a trade-mark for evaporated milk, filed by Consolidated Dairy Products Company, of Seattle, Wash., owner of the trade-mark "Darigold," registered March 12, 1940, for the same goods, holding that these two marks, when applied to identical merchandise of the character here involved, bear such resemblance as to be likely to confuse the public or to deceive purchasers, noting that whether "Dari" is suggestive of the word "dairy" or descriptive of the goods, it may not be disregarded in comparing the marks, and further noting that evaporated milk is cheap in price and of everyday use and is purchased with a lesser degree of care than would be exercised in the purchase of more expensive merchandise, so that this increases the likelihood of confusion between the marks of the parties, at least to the extent of creating a doubt in that regard; and such doubt must be resolved against applicant.

WARD MANUFACTURING CO., *v.* EMANUEL PAPPERT, Opposition No. 22,087.

In a decision rendered February 25, 1944 (166 Ms. Dec. 438, — U. S. P. Q. —), *Assistant Commissioner Van Arsdale* accorded reconsideration of his decision dated January 28, 1944 (559 O. G. 715, — U. S. P. Q. —) on request of the party Pappert, complaining that the statement in the decision that applicant is estopped from claiming the right of registration of the mark should be stricken because estoppel, as such, was not referred to either in the pleadings, testimony, briefs or arguments.

It was held that since it was ruled that opposer would be damaged by such registration, the reference to estoppel was not necessary to the decision but since applicant's answer alleges certain agreements between the parties respecting applicant's consent to opposer's use of the mark, and since the facts adduced in the testimony regarding the agreements set forth in the answer justify the holding of estoppel, the reference thereto in the decision was proper and therefore the petition that the previous decision be changed was denied.

STANDARD OIL COMPANY OF NEW JERSEY *v.* AMERICAN TAR COMPANY, Opposition No. 21,955.

In a decision rendered February 28, 1944 (166 Ms. Dec. 440, — U. S. P. Q. —), *Assistant Commissioner Van Arsdale* accorded reconsideration of his decision of December 23, 1943, (558 O. G. 509, 60 U. S. P. Q. 65) and consideration of a renewed petition (the original having been denied, 559 O. G. 715, — U. S. P. Q. —) for dismissal of the opposition and for entry of an amendment, but adhered to the previous decisions.

Where applicant had of its own choice included in one application all the goods named therein, it was held that opposer had the right to assume that the opposition would be sustained or dismissed against the application as a whole and it would be an undue hardship and burden on an opposer to be obliged to make out a case with respect to each and every designation of goods named in the application opposed, in order successfully to prevent the issuance of a registration on that application as to one or more of the goods named therein and to avoid successive opposition proceedings against the one application.

In reply to petitioner's assertion that the refusal to register was made on ex parte grounds and the decision should be corrected accordingly, it was held that the facts judicially noticed in determining the confusing similarity of the goods concerned the allegation in the notice of opposition that the goods were of the same descriptive properties, so that the question raised is inter partes, and not ex parte.

NATIONAL SILVER COMPANY *v.* EMPIRE CRAFTS CORPORATION, Opposition No. 21,981.

In a decision rendered February 28, 1944 (166 Ms. Dec. 441 — U. S. P. Q. —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the notice of opposition filed by National Silver Company, of New York, N. Y., to granting registration to Empire Crafts Corporation, of Newark, N. J., of a mark consisting of the words "Royal Crest" for sterling silver flatware and further refusing applicant the registration on an ex parte ground. Opposer relied on a registration, which opposer claims to own by assignment, of a mark consisting of the word "Sharp-Cutter" surrounded by two spaced octagonal lines between which are the words "Royal Brand Cutlery Company," for steel cutlery comprising table-knives, table-forks, pocket-knives, butcher and kitchen knives, and razors; and which registration has been renewed to opposer. Opposer also relied on its registration of the word "Royal" for electric shavers and also on the use of the notations "Royal Brand" and "Royal" as trade-marks on articles of cutlery since prior to applicant's earliest date of use of its mark "Royal Crest."

The Examiner's ex parte refusal to register applicant's mark was based on testimony and evidence introduced by applicant as part of its proofs as to the use by Royal Silver Mfg. Co. of the notation "Royal Brand" for table cutlery since prior to applicant's earliest date of use of its mark; the Examiner noting that the goods involved are substantially identical and holding the notations "Royal Brand" and "Royal Crest" applied to the goods are confusingly similar. Noting that the only comment applicant makes as to the ex parte ground of refusal is that no complaint has been made by the Royal Silver Mfg. Co. to applicant's use of the mark "Royal Crest" on its goods, it was held that applicant's contention in this connection is without merit and that the ex parte ground of refusal to grant applicant the registration it has applied for is sound.

Applicant moved to strike the entire testimony and proofs produced by opposer on the ground that applicant sought to bring out on cross-examination of opposer's witnesses that opposer is chargeable with knowledge of prior uses of these other marks by parties not involved in this proceeding, but opposer's counsel instructed the witnesses not to answer certain questions along these lines. The motion to strike was denied, it being held that the line of questioning was immaterial to the ex parte ground of refusal and it was not of controlling importance whether opposer's witnesses did or did not know of the prior uses of these marks.

It was held that the goods to which applicant applied its mark "Royal Crest" and the goods to which opposer has been applying the mark of registration No. 143,909 (renewed) and the marks "Royal" and "Royal Brand" are goods of the same descriptive properties. It was further held that electric shavers, as named in opposer's registration No. 372,589 of the word "Royal," are goods of the same descriptive properties as those designated in applicant's present application.

Considering the nature of the goods to which the marks are applied and recognizing that, in order to prevail, opposer is not necessarily required to prove the right to the exclusive monopoly of the marks relied on in support of the opposition, and that opposer has shown trade-mark use of its marks relied on here, it was held that the concurrent use of the mark applicant seeks to register and each of opposer's marks on the respective goods to which the marks are applied would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers, with consequent likelihood of damage to opposer.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 28, 1944

[VOL. 560. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 461,889. GREEN THUMB GARDENS, Arcanum, Ohio. Filed July 6, 1943.



The lining on the drawing is for green.

FOR NURSERY PRODUCTS—NAMELY, ALL TYPES OF SHRUBS, TREES, PLANTS, BLOOMING PLANTS AND BERRY PLANTS, AND PRODUCTS OF THE NURSERY—NAMELY, CUT FLOWERS, SEEDS, AND BULBS.

Claims use since May 3, 1943.

Ser. No. 466,338. WM. ZINSSER & CO. INC., New York, N. Y. Filed Jan. 5, 1944.

BULLZITE

FOR GRANULAR RESINOUS MATERIAL.

Claims use since June 1941.

Ser. No. 466,534. A. C. LAWRENCE LEATHER COMPANY, Peabody, Mass. Filed Jan. 13, 1944.

Sheltercape

Applicant is the owner of Reg. No. 337,344. No claim is made to the word "Cape" apart from the mark.

FOR LEATHER.

Claims use since Jan. 3, 1942.

Ser. No. 466,791. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Jan. 22, 1944.

GEON

FOR POLYVINYL RESINS USEFUL FOR CONVERSION INTO FINISHED PRODUCTS.

Claims use since Dec. 20, 1943.

CLASS 2

RECEPTACLES

Ser. No. 466,229. HENRY PHILLIPS, doing business as The Carto-Pack Company, Grand Rapids, Mich. Filed Dec. 31, 1943.

Carto-pack

The word "Pack" is disclaimed apart from the mark.

FOR MAILING CARTONS WITH ADJUSTABLE DIVIDERS MADE OF CORRUGATED BOARD AND SOLD EMPTY.

Claims use since May 1943.

Ser. No. 466,738. NATIONAL SILVER COMPANY, New York, N. Y. Filed Jan. 20, 1944.

Ton-Ton

The trade-mark consists of the hyphenated word "Ton-Ton."

FOR LADIES' COMPACTS OF PLASTIC OR COMPOSITION, OR OF BASE OR INFERIOR METAL OR OF A COMBINATION OF THESE, CONTAINING POWDER PUFFS.

Claims use since Oct. 15, 1943.

Ser. No. 467,079. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Feb. 1, 1944.



NORTHERN PLAINS INDIANS CRAFTS ASSOCIATION

Applicant disclaims the phrase "Crafts Association" except as shown.

FOR LEATHER BASKETS, LEATHER WASTE-PAPER BASKETS.

Claims use since Aug. 25, 1943.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 466,755. EASTERN MFG. CO., doing business as Betsy Bag Co., Boston, Mass. Filed Jan. 21, 1944.

BETSY

FOR HANDBAGS.
Claims use since 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 461,993. W. P. BALLARD & COMPANY, Birmingham, Ala. Filed July 3, 1943.

BALCO

FOR CLEANING COMPOUNDS FOR LINEN, SILK, AND OTHER TEXTILES IN LIQUID AND IN SOLID FORM; SPOT REMOVER, PAINT AND GREASE REMOVER, AND NEUTRAL SOAPS.
Claims use since Jan. 1, 1926.

Ser. No. 462,211. PLEE-ZING, INC., Chicago, Ill. Filed July 21, 1943.

KLEEP

FOR CLEANSING PREPARATION CONSISTING PRINCIPALLY OF TRI-SODIUM PHOSPHATE AND ADAPTED FOR GENERAL CLEANING USES AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES.
Claims use since June 16, 1943.

Ser. No. 464,152. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Oct. 14, 1943.

YELLOW HOOP

FOR PRODUCT COMPRISING DRY SOLUBLE ALKALINE POWDERS FOR CLEANING, CLEANSING, SCRUBBING, SCOURING, AND WASHING FOR LAUNDRY, FACTORY, AND HOUSEHOLD USES.
Claims use since May 1911.

Ser. No. 465,351. WILLIAM ALT, doing business as Three Star Products, Chicago, Ill. Filed Nov. 29, 1943.

NAP-THENE
THREE STAR
Cleaning Crystals

Applicant disclaims the words "Nap-Thene" and "Cleaning Crystals" apart from the mark.
FOR CLEANING CRYSTALS.
Claims use since Jan. 10, 1935.

Ser. No. 465,473. FULD BROS., doing business as George Stuart Timesavers, Baltimore, Md. Filed Dec. 3, 1943.

SQUICK

FOR DISH WASHING COMPOUND.
Claims use since Oct. 25, 1943.

Ser. No. 465,624. BESSIE GOODMAN, doing business as The Nomayde Company, Brooklyn, N. Y. Filed Dec. 8, 1943.

"NOMAYDE"

FOR DRY CLEANERS AND SOAPS.
Claims use since October 1943.

Ser. No. 466,251. CAMPANA SALES COMPANY, Batavia, Ill. Filed Jan. 1, 1944.

DEVASTATING

FOR TOILET SOAPS.
Claims use since Dec. 15, 1943.

Ser. No. 466,537. NORTON COMPANY, Worcester, Mass. Filed Jan. 13, 1944.

39

FOR ABRASIVE PRODUCTS—NAMELY, ABRASIVE STONES, ABRASIVE STICKS, ABRASIVE BRICKS, AND ABRASIVE SEGMENTS; ABRASIVE, GRINDING, LAPPING, SHARPENING, AND POLISHING WHEELS; ABRASIVE, LAPPING, AND POLISHING GRAINS OR POWDERS.
Claims use since Nov. 12, 1940.

Ser. No. 466,538. NORTON COMPANY, Worcester, Mass. Filed Jan. 13, 1944.

57

FOR ABRASIVE PRODUCTS—NAMELY, ABRASIVE STONES, ABRASIVE STICKS, ABRASIVE BRICKS, AND ABRASIVE SEGMENTS; ABRASIVE, GRINDING, LAPPING, SHARPENING, AND POLISHING WHEELS; ABRASIVE, LAPPING, AND POLISHING POWDERS.
Claims use since Nov. 12, 1940.

Ser. No. 466,695. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Jan. 19, 1944.

CLIPPER

FOR SHOE AND BOOT POLISH.
Claims use since Dec. 23, 1943.

CLASS 5

ADHESIVES

Ser. No. 460,164. UNITED SHOE MACHINERY CORPORATION, Boston, Mass. Filed Apr. 24, 1943.

HUB

FOR ADHESIVES CONTAINING NATURAL GUMS, ANIMAL OR FISH GLUE, FLOUR, SYNTHETIC RESINS, OR SYNTHETIC RUBBER-LIKE MATERIALS, OR COMBINATIONS THEREOF.
Claims use since Sept. 1, 1911.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 460,959. RICHARD L. JESSEN, Wauwatosa, Wis. Filed May 27, 1943.

DI-ETTES

FOR PHARMACEUTICAL PREPARATIONS—NAMELY, VITAMIN PREPARATIONS.
Claims use since June 6, 1942.

Ser. No. 464,617. THE PHOTO TECHNICAL CORPORATION, South Norwalk, Conn. Filed Nov. 2, 1943.

AUTO-STOP

FOR PHOTOGRAPHIC DEVELOPER CONCENTRATE.
Claims use since Oct. 19, 1943.

Ser. No. 465,725. JOHN P. WILDE, Sands Point, N. Y. Filed Dec. 11, 1943.

BLUE PETER

FOR PERFUMES.
Clainis use since Nov. 18, 1943.

Ser. No. 465,893. COTY, INC., New York, N. Y. Filed Dec. 20, 1943.



The words "Les Parfums" are disclaimed apart from the mark.

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since May 1910.

Ser. No. 466,246. HOMER E. WHITMIRE, doing business as Whitmire Research Laboratories, St. Louis, Mo. Filed Dec. 31, 1943.

PRALYTEX

FOR INSECTICIDAL PREPARATIONS.

Claims use since May 27, 1940.

Ser. No. 466,464. STANDARD DISTRIBUTING COMPANY, doing business as Dendura Products, Chicago, Ill. Filed Jan. 10, 1944.

Dendura

FOR PREPARATION FOR MAKING SECURE DENTAL PLATES IN THE MOUTH.

Claims use since Dec. 20, 1943.

Ser. No. 466,465. STANDARD DISTRIBUTING COMPANY, doing business as Dentura Products, Chicago, Ill. Filed Jan. 10, 1944.

Dentura

FOR PREPARATION FOR MAKING SECURE DENTAL PLATES IN THE MOUTH.

Claims use since Dec. 20, 1943.

Ser. No. 466,561. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Jan. 13, 1944.

NACAP

FOR PREPARATION FOR PREVENTING CORROSION OF METALS, FOR PARTICULAR USE IN THE COOLING SYSTEMS OF INTERNAL COMBUSTION ENGINES.

Claims use since Jan. 4, 1944.

Ser. No. 466,692. EMDEE LABORATORIES, INC., New York, N. Y. Filed Jan. 19, 1944.

Twin-Ols

FOR MEDICINAL VITAMIN IRON AND LIVER CONCENTRATE PREPARATIONS.

Claims use since Dec. 30, 1943.

Ser. No. 466,763. MAYFLOWER MANUFACTURING COMPANY, Dallas, Tex. Filed Jan. 21, 1944.

Let'em

FOR LAXATIVE.

Claims use since November 1943.

Ser. No. 466,786. THE ENTHONE COMPANY, New Haven, Conn. Filed Jan. 22, 1944.

EBONOL

FOR CHEMICAL COMPOUND FOR OXIDIZING METAL ARTICLES.

Claims use since Mar. 21, 1940.

Ser. No. 466,812. JULIA TOCKSTEIN, doing business as Tocsein, Chicago, Ill. Filed Jan. 22, 1944.

"TOCSEIN"

FOR PREPARATION FOR USE IN THE TREATMENT OF ST. VITUS DANCE AND INFANTILE PARALYSIS.

Claims use since Sept. 3, 1943.

Ser. No. 466,845. PINAUD, INCORPORATED, New York, N. Y. Filed Jan. 24, 1944.

HER SECRET WEAPON

FOR PERFUME.

Claims use since Jan. 19, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 465,415. DIAGRAPH-BRADLEY STENCIL MACHINE CORPORATION, St. Louis, Mo. Filed Dec. 1, 1943.

D.B.

FOR STENCIL INK.

Claims use since Nov. 8, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 461,929. NATIONAL LEAD COMPANY, New York, N. Y. Filed July 8, 1943.

JeloX

FOR BENTONITE FOR USE IN THE PREPARATION AND TREATMENT OF WELL DRILLING FLUIDS.

Claims use since Feb. 1, 1935.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 465,752. ANDERSON FIRE FIGHTING EQUIPMENT COMPANY, INC., New York, N. Y. Filed Dec. 14, 1943.

"KLEERLINE"

FOR METAL HOSE COUPLINGS.

Claims use since Oct. 20, 1943.

CLASS 15

OILS AND GREASES

Ser. No. 466,085. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio. Filed Jan. 29, 1944.

ELCO "22"

Applicant is the owner of trade-mark registration No. 349,996. Applicant disclaims "22" apart from the mark.

FOR LUBRICATING OILS AND GREASES.

Claims use since Apr. 15, 1935.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 463,071. R. S. GIBBS, doing business as Standard Wood Preserver Co., New Orleans, La. Filed Aug. 28, 1943.

LIN-O-LIN

FOR PAINT OIL.

Claims use since July 1, 1942.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 460,249. THE BUGLER BRAND AND AGENCIES LTD., Vancouver, Canada. Filed Apr. 29, 1943.



The design is fanciful.

FOR CIGARETTES AND SMOKING TOBACCO.

Claims use since Mar. 9, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 464,003. DAVID A. MARCUS, doing business as Electronic Specialty Co., Los Angeles, Calif. Filed Oct. 8, 1943.

RANGER

FOR ELECTRONIC DEVICE FOR RECTIFYING A. C. CURRENT INTO D. C. CURRENT.

Claims use since Aug. 12, 1943.

Ser. No. 464,562. THE B. A. WESCHE ELECTRIC COMPANY, Cincinnati, Ohio. Filed Oct. 30, 1943.

WELCO

FOR ELECTRIC MOTORS OF ALL KINDS AND THRUSTERS—I. E., UNITS COMPRISING AN ELECTRIC MOTOR HAVING MECHANICAL MEANS ASSOCIATED THEREWITH FOR APPLYING MOVEMENT.

Claims use since 1915 on electric motors; and since June 1941 on thrusters.

Ser. No. 466,040. THE EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed Dec. 24, 1943.

LIGHTRONICS

FOR ELECTRIC LIGHTING FIXTURES FOR FLUORESCENT LAMPS.

Claims use since Nov. 8, 1943.

Ser. No. 466,844. P. R. MALLORY & CO., INC., Indianapolis, Ind. Filed Jan. 24, 1944.

hp

FOR ELECTRIC CONTACTS.
Claims use since Feb. 23, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 467,080. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Feb. 1, 1944.



NORTHERN
PLAINS INDIANS
CRAFTS ASSOCIATION

Applicant disclaims the phrase "Crafts Association" except as shown.
FOR DOLLS.
Claims use since Aug. 25, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 464,080. WILLIAM F. DAMRAU, doing business as Michigan Industrial Sales Company, Detroit, Mich. Filed Oct. 12, 1943.

SENSAUMATIC

FOR DRILL HEAD FOR HOLDING AND DRIVING A TOOL FOR DRILLING HOLES IN METAL.
Claims use since September 1940.

Ser. No. 464,601. DEMPSTER BROTHERS, INCORPORATED, Knoxville, Tenn. Filed Nov. 2, 1943.

DEMPSTER
BALESTER

The surname "Dempster" is disclaimed apart from the mark.
FOR PRESSES FOR BALING SCRAP METALS.
Claims use since July 21, 1943.

Ser. No. 464,602. DEMPSTER BROTHERS, INCORPORATED, Knoxville, Tenn. Filed Nov. 2, 1943.

DEMPSTER - BALESTER

The surname "Dempster" is disclaimed apart from the mark.
FOR PRESSES FOR BALING SCRAP METALS.
Claims use since July 21, 1943.

Ser. No. 465,266. THE NEW YORK AIR BRAKE COMPANY, Watertown, N. Y. Filed Nov. 24, 1943.



FOR HYDRAULIC PUMPS AND PARTS THEREOF FOR HYDRAULIC CONTROL SYSTEMS FOR VEHICLES.
Claims use since Jan. 16, 1943.

Ser. No. 465,576. ROBINS CONVEYORS INCORPORATED, Passaic, N. J. Filed Dec. 6, 1943.

ELIPTEX

FOR VIBRATING SCREEN SEPARATING MACHINES FOR LOOSE MATERIAL, SUCH AS CRUSHED STONE, ORE, SAND AND GRAVEL.
Claims use since Jan. 1, 1937.

Ser. No. 466,080. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio. Filed Dec. 27, 1943.

NEPS
VENDOR

The term "Vendor" is disclaimed except as shown.
FOR VENDING MACHINES.
Claims use since Feb. 1, 1943.

Ser. No. 466,495. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 11, 1944.



SEMINOLE
ARTS AND CRAFTS

Applicant disclaims the phrase "Arts and Crafts" except as shown.
FOR WOODEN FORKS AND SPOONS.
Claims use since June 1, 1943.

Ser. No. 466,562. WILLAMETTE HYSTER COMPANY, Portland, Oreg. Filed Jan. 13, 1944.

YARDMASTER

FOR TRUCKS, MORE PARTICULARLY STRADDLE TRUCKS OF A KIND COMMONLY USED AS LUMBER CARRIERS.
Claims use since 1940.

CLASS 25

LOCKS AND SAFES

Ser. No. 466,972. E. J. BROOKS COMPANY, Newark, N. J. Filed Jan. 29, 1944. Under 10-year proviso.

BROOKS

FOR BASE-METAL TRUCK-CAR AND SHIPPING-CASE SEALS, SEALS FOR CONTAINERS AND PACKAGES, AND SEALS FOR TAGS.
Claims use since 1885.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 464,449. SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y. Filed Oct. 27, 1943.

GYROSYN

FOR COMPASS REPEATERS, COMPASS CONTROLLED DIRECTIONAL GYROSCOPES, EARTH INDUCTOR COMPASSES, AND REMOTE READING COMPASSES.
Claims use since July 9, 1942.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 466,194. LOUIS HIRSCH DE METZ COMPANY, New York, N. Y. Filed Dec. 30, 1943.

DIVA

FOR WATCHES, WATCH-MOVEMENTS, WATCH-CASES AND PARTS THEREOF.
Claims use since 1924.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 465,974. COLONIAL MFG. CO. INC., New York, N. Y. Filed Dec. 22, 1943.

CMCo

FOR FINGER-RINGS AND BROOCHES MADE OF PRECIOUS METALWARE.
Claims use since Jan. 11, 1940.

Ser. No. 466,496. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 11, 1944.



SEMINOLE
ARTS AND CRAFTS

Applicant disclaims the phrase "Arts and Crafts" except as shown.
FOR BEAD NECKLACES.
Claims use since June 1, 1943.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 465,730. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 13, 1943.

Regal

FOR BOWLING ALLEY BED AND GUTTER BRUSHES.
Claims use since September 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 457,934. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis., and Rahway, N. J. Filed Jan. 15, 1943. Under section 5b of the act of 1905 as amended in 1920.

HAMILTON

FOR LABORATORY AND SPECIAL PROFESSIONAL FURNITURE—NAMELY, BENCHES, DESKS, CHAIRS, AND FILING CABINETS, LIBRARY AND SCHOOL ROOM FURNITURE—NAMELY, BOOKSTACKS, DESKS, SHELF UNITS, TABLES, CHAIRS, MAGAZINE AND NEWSPAPER RACKS, FOOT STOOLS, PORTABLE BOOK DISPLAY RACKS, CARD CATALOGUE CABINETS, DICTIONARY STANDS, BOOK DISPLAY CASES, JUVENILE FURNITURE—NAMELY, CRIBS, PLAY COOPS, CHAIRS, TABLES, CHIFFOROBES, UTILITY CHESTS, FOOT STOOLS, BEDS AND CLOTHES CABINETS.
Claims use since 1915 in the case of laboratory and special professional furniture; since about Mar. 1, 1938, in the case of juvenile furniture; and since about Feb. 1, 1940, in the case of library and school room furniture.

Ser. No. 464,935. AURORA EQUIPMENT COMPANY, Aurora, Ill. Filed Nov. 12, 1943.

EQUIPTO

FOR STORE DISPLAY FIXTURES—NAMELY, CABINETS, STANDS, TABLES AND COUNTERS; GARAGE PARTS BINS; AND STEEL SHELVING.
Claims use since September 1922.

Ser. No. 465,363. THE KITCHEN MAID CORPORATION, Andrews, Ind. Filed Nov. 29, 1943.

KITCHEN MAID

Applicant is owner of T. M. Reg. Nos. 103,403 (renewed); 173,816; 228,643; 228,776; and 229,229, all of which registrations cover the words "Kitchen Maid."
FOR KITCHEN CABINET BASE UNITS, KITCHEN CABINET WALL UNITS, KITCHEN BROOM STORAGE UNITS, KITCHEN SHELF UNITS; AND KITCHEN COUNTER TOPS.
Claims use since July 1, 1932.

Ser. No. 466,054. STUDIOS, INC., Waltham, Mass. Filed Dec. 24, 1943.

TILT-O-MATIC

Applicant disclaims the word "Tilt" apart from the mark.
FOR LOUNGE CHAIRS.
Claims use since Dec. 23, 1941.

Ser. No. 467,082. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Feb. 1, 1944.



NORTHERN
PLAINS INDIANS
CRAFTS ASSOCIATION

Applicant disclaims the phrase "Crafts Association" except as shown.
FOR WILLOW BED-ENDS.
Claims use since Aug. 23, 1943.

CLASS 37

PAPER AND STATIONERY

Ser. No. 450,818. THE STICKLESS CORPORATION, New York, N. Y. Filed Feb. 6, 1942.

THE Sincerity LINE

The term "Line" is disclaimed apart from the mark.
FOR STATIONERY, SPECIFICALLY INDEX BOOKS, MEMORANDUM BOOKS AND PADS, FILE ENVELOPES, ENVELOPES, TISSUE IN PAPER CONTAINERS, DESK CALENDARS, AND CALENDAR HOLDERS.
Claims use since Oct. 1, 1941.

Ser. No. 465,781. HENRY GEORGE MARTIN, Buenos Aires, Argentina. Filed Dec. 15, 1943.

ETERPEN

FOR FOUNTAIN PENS.
Claims use since April 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 464,645. THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Nov. 3, 1943.

GLAMOUR

FOR MONTHLY MAGAZINE.
Claims use since May 1, 1941.

Ser. No. 464,905. THE TOLEDO BLADE COMPANY, Toledo, Ohio. Filed Nov. 10, 1943. Under 10-year proviso.

TOLEDO BLADE

FOR NEWSPAPER PUBLISHED PERIODICALLY.
Claims use since 1836.

CLASS 39

CLOTHING

Ser. No. 458,103. THE LILLEY-AMES COMPANY, Columbus, Ohio. Filed Jan. 22, 1943.

Action Craft

The word "Action" is disclaimed apart from the mark.
FOR MEN'S APPAREL—NAMELY, TROUSERS, BLOUSES, SHIRTS, COATS, AND HATS.
Claims use since Jan. 9, 1943.

Ser. No. 459,376. ROGERS PEET COMPANY, New York, N. Y. Filed Mar. 26, 1943.

The "Tiptopper"

FOR MEN'S AND BOYS' HATS, CAPS, OUTER SHIRTS, AND LEATHER DRESS GLOVES.
Claims use since July 21, 1922.

Ser. No. 460,690. DAVID CRYSTAL, INC., New York, N. Y. Filed May 18, 1943.

COVER GIRL

FOR LADIES' AND MISSES' DRESSES, BLOUSES, SUITS, COATS, SLACKS, PLAYSUITS, AND WORK SUITS.
Claims use since Apr. 1, 1943.

Ser. No. 461,891. LEE UNIFORM CAP MANUFACTURING COMPANY, Baltimore, Md. Filed July 6, 1943.



THE FORTRESS

FOR UNIFORM CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 15, 1943.

Ser. No. 462,256. KRUMHOLZ & LICHTBLAU, doing business as KelRay Knitting Mills, New York, N. Y. Filed July 23, 1943.

KELSFORM

FOR LADIES', MISSES', AND CHILDREN'S PANTIES, STEP-IN UNDERDRAWERS, BANDEAUX, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS.
Claims use since May 1, 1943.

Ser. No. 465,925. MCLELLAN STORES COMPANY, New York, N. Y. Filed Dec. 20, 1943.



The figure of a child is fanciful.
FOR CHILDREN'S AND INFANTS' OVERALLS.
Claims use since Mar. 11, 1942.

Ser. No. 465,953. ROY J. MEEKER, Los Angeles, Calif. Filed Dec. 21, 1943.

"Samuel" Creations from HOLLYWOOD Where Figures are Fortunes

Applicant disclaims the words "Creations From Hollywood" and "Where Figures Are Fortunes" apart from the mark.
FOR WOMEN'S, MISSES', AND CHILDREN'S GIRDLES, PANTY GIRDLES, CORSETS, BRASSIÈRES; LINGERIE—NAMELY, PANTIES, SLIPS, GOWNS, PAJAMAS, NEGLIGEES, AND CHEMISES; SPORTS WEAR—NAMELY, SHORTS, SLACKS, SKIRTS, SPORT SHIRTS, BLOUSES, AND PAJAMAS; AND SWIMMING SUITS AND TRUNKS.
Claims use since July 1, 1938.

Ser. No. 466,321. ERWIN CAMP, doing business as Camp Hosiery Mills, New York, N. Y. Filed Jan. 5, 1944.



No claim is made to the name "Camp" and the word "Hosiery" except as shown.
FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Dec. 21, 1943.

Ser. No. 466,347. CHARLES A. EATON COMPANY, Brockton, Mass. Filed Jan. 6, 1944.

BULLDOZERS

FOR BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Dec. 15, 1943.

Ser. No. 466,469. SUPERBA CRAVATS, Rochester, N. Y. Filed Jan. 10, 1944.

SUGAR and SPICE

FOR NECKTIES AND MUFFLERS.
Claims use since September 1935.

Ser. No. 466,761. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Jan. 21, 1944.

MANFLAIR

FOR MEN'S OUTER SHIRTS.
Claims use since 1934.

Ser. No. 466,865. SICA BROS., New York, N. Y. Filed Jan. 25, 1944.

SIBRO

FOR LADIES' AND MISSES' BLOUSES, VESTEES AND JACKETS.
Claims use since Feb. 2, 1943.

Ser. No. 466,928. HELENE PONS, New York, N. Y. Filed Jan. 27, 1944.

"Dushagraika"

FOR LADIES' AND MISSES' VESTEES.
Claims use since Dec. 1, 1943.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 464,440. ISAAC I. MARRUS, New York, N. Y. Filed Oct. 27, 1943.

MARS BRAND BEST BY TEST

Applicant disclaims the wording "Brand" and "Best by Test."
FOR COMBS, BOBBY PINS, AND HAIR PINS.
Claims use since Aug. 3, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 464,582. THE NEW HAVEN QUILT & PAD COMPANY, New Haven, Conn. Filed Nov. 1, 1943.

SUPER LOFTPUFF

Applicant disclaims the words "Super" and "Puff" except as shown.
FOR COMFORTABLES.
Claims use since Mar. 1, 1941.

Ser. No. 465,701. WASCO OILSILK PRODUCTS COMPANY, New York, N. Y. Filed Dec. 10, 1943.

WASCOSE

FOR PIECE GOODS OF SILK, RAYON OR COTTON; SHEETING; MATTRESS COVERS; PILLOW COVERS; OILED SILK PIECE GOODS; AND OILED MIXED COTTON AND RAYON PIECE GOODS.
Claims use since December 1939.

Ser. No. 466,131. TERHUNE, YEREANCE & WOLFF, INC., New York, N. Y. Filed Dec. 28, 1943.

FIELDSTONE

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Dec. 20, 1943.

Ser. No. 466,178. ISIDORE SMITH, New York, N. Y. Filed Dec. 29, 1943.

Luella

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since June 15, 1935.

Ser. No. 466,184. THE VARNITON COMPANY, Los Angeles, Calif. Filed Dec. 29, 1943.

VARNITIZED

FOR FILTER CLOTH.
Claims use since June 1941.

Ser. No. 466,503. CARNAC COTTONS, INC., New York, N. Y. Filed Jan. 12, 1944.

Ventilo Cloth

No claim is made to the word "Cloth" apart from the mark.
FOR COTTON PIECE GOODS.
Claims use since Dec. 6, 1943.

Ser. No. 466,514. SHIRLEY FABRICS CORP., New York, N. Y. Filed Jan. 12, 1944.

DEUCALION

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, AND COMBINATIONS THEREOF.
Claims use since Dec. 7, 1942.

Ser. No. 466,952. J. ROSENHOLZ, INC., New York, N. Y. Filed Jan. 28, 1944.

Crosstown

FOR RAYON PIECE GOODS, COTTON PIECE GOODS AND COMBINATIONS OF THE SAME.
Claims use since Sept. 15, 1942.

CLASS 43

THREAD AND YARN

Ser. No. 466,617. MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo. Filed Jan. 15, 1944.

TRIME

FOR THREADS.
Claims use since Oct. 1, 1919.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 467,042. THE MOTLOID CO., INC., Chicago, Ill. Filed Jan. 31, 1944.

MIRACRYL

FOR ACRYLIC DENTURE BASE MATERIAL.
Claims use since Sept. 1, 1939.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 449,764. COCK 'N BULL PRODUCTS, Los Angeles, Calif. Filed Dec. 26, 1941.

The Drink with A Heritage

The word "Drink" is disclaimed apart from the mark.
FOR GINGER BEER.
Claims use since Nov. 10, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 458,249. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Jan. 30, 1943.

CHEK-R-POULTS

No claim is made to the word "Poults" apart from the mark.
FOR BABY TURKEYS.
Claims use since Jan. 13, 1943.

Ser. No. 461,148. RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif. Filed June 4, 1943.

7x

FOR FRESH VEGETABLES.
Claims use since Jan. 25, 1943.

Ser. No. 462,305. CO-OPERATIVE OLIVE PRODUCTS ASSOCIATION, INC., Fresno, Calif. Filed July 26, 1943.

COPA

BRAND

CO-OPERATIVE OLIVE PRODUCTS ASSOCIATION INC.

No claim is made to the wording other than to "Copa" apart from the mark.
FOR OLIVE OIL, GREEN OLIVES, RIPE OLIVES, CHOPPED OLIVES, AND OLIVE SPREAD.
Claims use since July 6, 1943.

Ser. No. 464,735. G. WASHINGTON COFFEE REFINING CO., Morris Plains, N. J. Filed Nov. 4, 1943.

CAFÉMELO

FOR COFFEE EXTRACTS WITH THE ADMIXTURE OF OTHER FOOD INGREDIENTS.
Claims use since Oct. 23, 1943.

Ser. No. 464,772. MAX AMS INC., New York, N. Y. Filed Nov. 6, 1943.

NOODELITE

FOR NOODLES.
Claims use since Oct. 15, 1943.

Ser. No. 466,242. THE WHIPPLE COMPANY, Natick, Mass. Filed Dec. 31, 1943.

Grandmother's

The applicant is the owner of registrations No. 57,618 and No. 280,369.

FOR PRESERVED FRUITS, MARSHMALLOW TOPPING, NUTS IN SIRUP, FUDGE SAUCE AND BUTTERSCOTCH SAUCE FOR SODA FOUNTAIN USE; MARMALADE; JELLIES; PIE FILLINGS (OTHER THAN MINCEMEAT); MINCEMEAT; CORN STARCH; MILK POWDER; NUTS; COCOA; CLEANED CURRANTS; RELISH OR PICCALILLI, WATERMELON PICKLE; AND FOOD FLAVORING EXTRACTS.

Claims use upon preserved fruits, marshmallow topping, nuts in sirup, fudge sauce and butterscotch sauce for soda fountain use, since Mar. 29, 1918; upon marmalade, since June 3, 1912; upon jellies, since Aug. 27, 1913; upon pie fillings (other than mincemeat), since Feb. 15, 1906; upon mincemeat, since Jan. 1, 1899; upon corn starch, since May 12, 1929; upon milk powder, since Dec. 28, 1929; upon selected nuts, since Feb. 1, 1930; upon cocoa, since Dec. 1, 1930; upon cleaned currants, since Sept. 1, 1928; upon relish or piccalilli, since Apr. 1, 1939; upon watermelon pickle, since Mar. 1, 1927; and upon food flavoring extracts, since Nov. 2, 1924.

Ser. No. 466,243. THE WHIPPLE COMPANY, Natick, Mass. Filed Dec. 31, 1943.

Grandmother's



The applicant is the owner of registrations No. 57,618 and No. 280,369. The representation of the woman is fanciful.

FOR PRESERVED FRUITS, MARSHMALLOW TOPPING, NUTS IN SIRUP, FUDGE SAUCE AND BUTTERSCOTCH SAUCE FOR SODA FOUNTAIN USE; MARMALADE; JELLIES; PIE FILLINGS (OTHER THAN MINCEMEAT); CORN STARCH; MILK POWDER; NUTS; COCOA; CLEANED CURRANTS; RELISH OR PICCALILLI, WATERMELON PICKLE AND FOOD FLAVORING EXTRACTS.

Claims use upon preserved fruits, marshmallow topping, nuts in sirup, fudge sauce and butterscotch sauce for soda fountain use, since Mar. 29, 1918; upon marmalade, since June 3, 1912; upon jellies, since Aug. 27, 1913; upon pie fillings (other than mincemeat), since Feb. 15, 1906; upon corn starch, since May 12, 1929; upon milk powder, since Dec. 28, 1929; upon selected nuts, since Feb. 1, 1930; upon cocoa, since Dec. 1, 1930; upon cleaned currants, since Sept. 1, 1928; upon relish or piccalilli, since Apr. 1, 1939; upon watermelon pickle, since Mar. 1, 1927; and upon food flavoring extracts, since Nov. 2, 1924.

Ser. No. 466,426. WAYNE B. BRAND CO., Yuma, Ariz. Filed Jan. 10, 1944.

YUMA PRIDE

No claim is made to the word "Yuma" apart from the mark.

FOR FRESH VEGETABLES — NAMELY, FRESH LETTUCE.
Claims use since Dec. 22, 1943.

Ser. No. 466,910. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Jan. 27, 1944.

DEEPDALE

FOR EGGS.
Claims use since 1941.

Ser. No. 466,971. J. R. BARNETT, Harlingen, Tex. Filed Jan. 29, 1944.

CYCLONE

FOR FRESH VEGETABLES.
Claims use since Dec. 27, 1943.

Ser. No. 467,045. PANGBURN COMPANY, INC., Fort Worth, Tex. Filed Jan. 31, 1944.

Ranch Rhythm

FOR CANDY.
Claims use since Nov. 23, 1943.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 460,288. THE J. R. CLARK COMPANY, Minneapolis, Minn. Filed Apr. 30, 1943.

TWO IN ONE

FOR LADDERS.
Claims use since January 1941.

Ser. No. 465,271. W. G. SHELTON CO., INC., St. Louis, Mo. Filed Nov. 24, 1943.

JEWEL BOX

The word "Box" is disclaimed aside from the other features of the mark.

FOR KIT COMPRISING AN APPARATUS FOR GIVING SO-CALLED PERMANENT WAVES TO THE HUMAN HAIR AND CONTAINING THE FOLLOWING ARTICLES: SOLUTIONS FOR SOFTENING THE HAIR, NEUTRALIZING SOLUTIONS, COVERING FOR THE HAIR TO RETARD EVAPORATION OF SOLUTIONS, PINS FOR TUCKING IN AND SMOOTHING THE ENDS OF THE HAIR WHEN WINDING, PADS FOR MAKING TEST CURLS, PAPERS FOR RETAINING WOUND STRANDS OF HAIR AGAINST UNWINDING, AND LIQUID FOR GIVING SHEEN TO THE HAIR IN THE COMPLETED CURL.
Claims use since Nov. 10, 1943.

Ser. No. 466,498. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 11, 1944.



SEMINOLE
ARTS AND CRAFTS

Applicant disclaims the phrase "Arts and Crafts" except as shown.

FOR CANOES IN THE NATURE OF A ROOM DECORATION (MINIATURE CANOES USED AS ORNAMENTS); GRASS AND/OR WOODSPLINT TABLE MATS.
Claims use since June 1, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 28, 1944

406,318. LUBRICANTS—NAMELY, LUBRICATING GREASES. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed April 13, 1942. Serial No. 452,312. PUBLISHED JULY 21, 1942. Class 15.

406,319. LADIES' AND MISSES' COATS, SUITS, AND SKIRTS. JOSEPH STEIN, doing business as Joseph Stein Coat Co., New York, N. Y.
Filed July 10, 1942. Serial No. 454,152. PUBLISHED JANUARY 11, 1944. Class 39.

406,320. DOLLS AND WEARING APPAREL FOR DOLLS. ANGELA PETERSON, Parkersburg, W. Va.
Filed August 24, 1942. Serial No. 455,084. PUBLISHED JANUARY 18, 1944. Class 22.

406,321. MEN'S MILITARY TOILET CASES FILLED WITH COMB, HAIRBRUSH, RAZOR, TOOTHBRUSH, SHAVING CREAM, SEWING EQUIPMENT, ETC., FOR USE WHILE SHAVING, WASHING, ETC. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 29, 1942. Serial No. 455,179. PUBLISHED JANUARY 18, 1944. Class 50.

406,322. CLOTHES HANGERS, GARMENT HANGERS, AND SHOE TREES. NICHOLAS W. ORLOFF, New York, N. Y., assignor to Jean Vivaudou Company, Inc., New York, N. Y., a corporation of New York.
Filed November 25, 1942. Serial No. 457,046. PUBLISHED JANUARY 18, 1944. Class 50.

406,323. CANNED AND PACKAGED FOODS—NAMELY, HAM, CORNED BEEF, PORK, BACON, SAUSAGES, SANDWICH SPREADS, AND HORS D'OEUVRE. EDITH STOKBY, doing business as Stokby Company, New York, N. Y.
Filed January 7, 1943. Serial No. 457,797. PUBLISHED JANUARY 18, 1944. Class 46.

406,324. TREATING AGENT COMPRISING CHEMICALS IN AQUEOUS SOLUTION FOR PROMOTING ADHESION OF BITUMINOUS MATERIAL TO PAVING AGGREGATE TO PROMOTE WETTING OF THESE SUBSTANCES BY THE BITUMINOUS PAVING COMPOSITIONS AND ADHERENCE OF SAID COMPOSITIONS TO SAID SUBSTANCES. NOSTRIP, INC., New York, N. Y.
Filed January 13, 1943. Serial No. 457,900. PUBLISHED JANUARY 18, 1944. Class 12.

406,325. MACHINE GUN CHARGERS. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J.
Filed April 20, 1943. Serial No. 460,028. PUBLISHED JULY 13, 1943. Class 9.

406,326. DUPLICATING CARBON PAPER. STANDARD DUPLICATING MACHINES CORPORATION, Everett, Mass.
Filed May 1, 1943. Serial No. 460,356. PUBLISHED JANUARY 18, 1944. Class 11.

406,327. NURSING BOTTLES. EISELE & CO., Nashville, Tenn.
Filed May 12, 1943. Serial No. 460,566. PUBLISHED JANUARY 18, 1944. Class 44.

406,328. WATCH CASES. IRENE KANE, New York, N. Y.
Filed May 20, 1943. Serial No. 460,761. PUBLISHED JANUARY 18, 1944. Class 27.

406,329. CANNED OR PULVERIZED DEHYDRATED VEGETABLES. FEATHERWEIGHT FOODS, INC., Boston, Mass.
Filed May 20, 1943. Serial No. 460,756. PUBLISHED JANUARY 18, 1944. Class 46.

406,330. CANDY. TRINEO, SOCIEDAD DE RESPONSABILIDAD LIMITADA, Buenos Aires, Argentina.
Filed June 2, 1943. Serial No. 461,105. PUBLISHED JANUARY 18, 1944. Class 46.

406,331. PROTEIN-CONTAINING SOLUTION OBTAINED AS A BY-PRODUCT IN THE PURIFICATION OF CORN GLUTEN USED AS AN EXTENDER FOR STARCH AND DEXTRIN ADHESIVES. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed June 8, 1943. Serial No. 461,215. PUBLISHED JULY 27, 1943. Class 5.

406,332. AUTOMATIC GAS WATER HEATERS, FORCED DRAFT EVAPORATIVE AIR COOLERS, VENTILATING FANS, OIL BURNERS, WOOD, COAL, COKE, OIL, AND GAS BURNING HOUSE HEATING FURNACES, AND AIR CONDITIONERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 22, 1943. Serial No. 462,234. PUBLISHED JANUARY 18, 1944. Class 34.

406,333. WRIST WATCHES, POCKET WATCHES, AND CLOCKS. JOSEPH SHEMANSKI, doing business as Homis Company, Los Angeles, Calif.
Filed July 26, 1943. Serial No. 462,323. PUBLISHED JANUARY 18, 1944. Class 27.

406,334. ELECTRONIC GLASSWARE — NAMELY, GLASS BUSHING INSULATORS, GLASS TUBE BASE HOUSINGS, GLASS CRYSTAL CASES, TUBING, BULBS, AND GLASS STAND-OFF INSULATORS. T. C. WHEATON CO., Millville, N. J.
Filed August 4, 1943. Serial No. 462,530. PUBLISHED JANUARY 18, 1944. Class 21.

406,335. GYRO-CONTROLLED DIRECTION AND ATTITUDE INDICATING INSTRUMENTS—NAMELY, GYRO-COMPASSES, GYRO-PILOTS, DIRECTIONAL GYROS, GYRO VERTICALS, GYRO HORIZONS, AND ATTITUDE GYROS. SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y.
Filed August 6, 1943. Serial No. 462,563. PUBLISHED JANUARY 18, 1944. Class 26.

406,336. BASKETBALLS, FOOTBALLS, VOLLEYBALLS, SOCCER BALLS, DART GAMES, ARCHERY SETS, JOUSTING BOARDS, LANCES, BOXING GLOVES, BASEBALL GLOVES, BASEBALL BATS, AND BASEBALLS. LITCHFIELD MANUFACTURING COMPANY, Litchfield, Mich.
Filed August 19, 1943. Serial No. 462,851. PUBLISHED JANUARY 18, 1944. Class 22.

406,337. SELF-CONTAINED ELECTRONIC HEATING APPARATUS UNITS EMPLOYING HIGH FREQUENCY CURRENTS FOR HEATING ARTICLES IN INDUCTIVE OR ELECTROSTATIC FIELDS AND PARTS AND ACCESSORIES THEREFOR. FEDERAL TELEPHONE AND RADIO CORPORATION, New York, N. Y.
Filed August 31, 1943. Serial No. 463,122. PUBLISHED DECEMBER 28, 1943. Class 21.

406,338. SWEEPING COMPOUND FOR CLEANING FLOORS, DRIVEWAYS, AND THE LIKE. THE CANFIELD OIL COMPANY, Cleveland, Ohio.
Filed September 4, 1943. Serial No. 463,224. PUBLISHED JANUARY 18, 1944. Class 4.

406,339. FRESH VEGETABLES—NAMELY, FRESH TOMATOES. ALAMO PRODUCE COMPANY, Los Angeles, Calif.
Filed September 13, 1943. Serial No. 463,366. PUBLISHED JANUARY 18, 1944. Class 46.

406,340. FIBER WEAVING MATERIAL EMPLOYED IN MAKING OF CHAIR SEATS, BASKETS, ETC. LUTHER A. SIMONS, doing business as Columbus Hickory Furniture Co. and as The Simonite Company, Columbus and Bedford, Ind.
Filed September 16, 1943. Serial No. 463,445. PUBLISHED JANUARY 18, 1944. Class 1.

406,341. X-RAY DENTAL FILMS. SAMUEL A. HERMAN, New York, N. Y.
Filed October 2, 1943. Serial No. 463,838. PUBLISHED JANUARY 18, 1944. Class 26.

406,342. CANNED FRUITS — NAMELY, CHERRIES, BLACKBERRIES, LOGANBERRIES, STRAWBERRIES, GRAPEFRUIT, PEACHES, PINEAPPLE, ETC. WEST COAST GROCERY CO., Tacoma, Wash.
Filed October 15, 1943. Serial No. 464,191. PUBLISHED JANUARY 18, 1944. Class 46.

406,343. POLISHES FOR FURNITURE, FLOORS, AND AUTOMOBILES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed October 19, 1943. Serial No. 464,257. PUBLISHED JANUARY 18, 1944. Class 16.

406,344. LADIES', MISSES', AND JUNIORS' COATS AND SUITS. TWINLEY COATS, New York, N. Y.
Filed October 21, 1943. Serial No. 464,325. PUBLISHED JANUARY 18, 1944. Class 39.

406,345. CHILDREN'S EDUCATIONAL AND AMUSEMENT SET COMPRISING PRINTED INSTRUCTIONS, DRAWINGS, CRAYONS, VARIOUS COLORED BEADS, AND BUTTONS. TYKIE TOY COMPANY, Piqua, Ohio.
Filed October 21, 1943. Serial No. 464,326. PUBLISHED JANUARY 18, 1944. Class 22.

406,346. LADIES' AND MISSES' COATS AND SUITS. SIEGEL BROS. GARMENT CORP., New York, N. Y.
Filed October 22, 1943. Serial No. 464,358. PUBLISHED JANUARY 11, 1944. Class 39.

406,347. LADIES' AND MISSES' COATS AND SUITS. SIEGEL BROS. GARMENT CORP., New York, N. Y.
Filed October 22, 1943. Serial No. 464,359. PUBLISHED JANUARY 18, 1944. Class 39.

406,348. LADIES' AND MISSES' COATS AND SUITS OF FABRICS CONTAINING A SUBSTANTIAL CONTENT OF LLAMA WOOL. SIEGEL BROS. GARMENT CORP., New York, N. Y.
Filed October 22, 1943. Serial No. 464,360. PUBLISHED JANUARY 18, 1944. Class 39.

406,349. FRUIT PRESERVES, JAMS, AND JELLIES, CANE AND MAPLE SYRUPS, MUSTARD, PEANUT BUTTER, AND FRUIT JUICES FOR FOOD PURPOSES. WHEELER-BARNES COMPANY, Minneapolis, Minn.
Filed October 23, 1943. Serial No. 464,382. PUBLISHED JANUARY 18, 1944. Class 46.

406,350. TAMPONS. JAMES L. YOUNGHUSBAND, Chicago, Ill.
Filed October 25, 1943. Serial No. 464,407. PUBLISHED JANUARY 18, 1944. Class 44.

406,351. CAROM BILLIARD BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed October 28, 1943. Serial No. 464,464. PUBLISHED JANUARY 18, 1944. Class 22.

406,352. CIGARETTES, CIGARS, SNUFF TOBACCO, PIPE TOBACCO, CHEWING TOBACCO, LEAF TOBACCO, CIGAR TOBACCO, CIGARETTE TOBACCO, AND TOBACCO WRAPPERS FOR CIGARETTES. LANE TOBACCO LTD., New York, N. Y.
Filed October 28, 1943. Serial No. 464,485. PUBLISHED JANUARY 18, 1944. Class 17.

406,353. COATING COMPOSITIONS CONTAINING WHITE LEAD AND OIL. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed October 29, 1943. Serial No. 464,505. PUBLISHED JANUARY 18, 1944. Class 16.

406,354. CEREAL BREAKFAST FOODS. KELLOGG COMPANY, Battle Creek, Mich.
Filed October 30, 1943. Serial No. 464,540. PUBLISHED JANUARY 18, 1944. Class 46.

406,355. SWEATERS, BATHING SUITS, SLACKS, SHIRTS, SHORTS, PLAY SUITS, SKIRTS, AND JACKETS FOR WOMEN AND GIRLS. SHEPHERD KNITWEAR COMPANY INC., New York, N. Y.
Filed October 30, 1943. Serial No. 464,554. PUBLISHED JANUARY 11, 1944. Class 39.

406,356. DETERGENT COMPOSITIONS. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,664. PUBLISHED JANUARY 18, 1944. Class 4.

406,357. DRIED VEGETABLES. WEST STANISLAUS BEAN GROWERS ASSOCIATION, Westley, Calif.
Filed November 6, 1943. Serial No. 464,802. PUBLISHED JANUARY 18, 1944. Class 46.

406,358. ALL STEEL GRAVEL AND SAND BINS. WISCONSIN FOUNDRY & MACHINE COMPANY, Madison, Wis.
Filed November 6, 1943. Serial No. 464,803. PUBLISHED JANUARY 18, 1944. Class 2.

406,359. CUSHIONS FOR BABIES. GERTRUDE E. BASSETT, Los Angeles, Calif.
Filed November 8, 1943. Serial No. 464,807. PUBLISHED JANUARY 18, 1944. Class 32.

406,360. CLEANING, CLEANSING, AND DETERGENT MATERIAL, PARTICULARLY ADAPTED FOR LAUNDRY USE BUT NOT LIMITED THERETO. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed November 8, 1943. Serial No. 464,841. PUBLISHED JANUARY 18, 1944. Class 4.

406,361. LOW TEMPERATURE TEST CABINETS. AMERICAN INSTRUMENT COMPANY, Silver Spring, Md.
Filed November 12, 1943. Serial No. 464,933. PUBLISHED JANUARY 18, 1944. Class 26.

406,362. DRESSED TURKEYS. SAFEWAY STORES, INCORPORATED, Baltimore, Md., Reno, Nev., Oakland, Calif., etc.
Filed November 12, 1943. Serial No. 464,954. PUBLISHED JANUARY 18, 1944. Class 46.

406,363. PHONOGRAPH RECORD CABINETS. ALBUMATIC COMPANY, New York, N. Y.
Filed November 13, 1943. Serial No. 464,957. PUBLISHED JANUARY 18, 1944. Class 32.

406,364. LIQUID FOR CLEANING FABRICS. WILSON-IMPERIAL COMPANY, Newark, N. J.
Filed November 13, 1943. Serial No. 464,984. PUBLISHED JANUARY 18, 1944. Class 4.

406,365. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 16, 1943. Serial No. 465,033. PUBLISHED JANUARY 18, 1944. Class 4.

406,366. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 16, 1943. Serial No. 465,039. PUBLISHED JANUARY 18, 1944. Class 4.

406,367. INFANTS' HOSIERY. JOSEPH D. RAMBO, Norristown, Pa.
Filed November 19, 1943. Serial No. 465,150. PUBLISHED JANUARY 11, 1944. Class 39.

406,368. SOAP. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed November 19, 1943. Serial No. 465,170. PUBLISHED JANUARY 18, 1944. Class 4.

406,369. TIRES OF RUBBER, FABRIC, SYNTHETIC RUBBER, AND COMBINATIONS THEREOF. RICHMOND RUBBER CO. INC., Richmond, Va.
Filed November 27, 1943. Serial No. 465,342. PUBLISHED JANUARY 18, 1944. Class 35.

406,370. POCKETBOOKS. HESSLEIN-SAMSTAG, INC., New York, N. Y.
Filed November 30, 1943. Serial No. 465,391. PUBLISHED JANUARY 18, 1944. Class 3.

406,371. BILLFOLDS. TEXAS TANNING & MANUFACTURING CO., Yoakum, Tex.
Filed December 3, 1943. Serial No. 465,491. PUBLISHED JANUARY 18, 1944. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,372. (CLASS 12. CONSTRUCTION MATERIALS.) W. P. HILGER, doing business as Hilger Company, St. Cloud, Minn., assignor to B. H. Flanagan and M. H. O'Link, doing business as the Stearns Manufacturing Company, St. Cloud, Minn. Filed Jan. 13, 1940. Serial No. 427,431.

DRAFTITE

FOR SPONGE RUBBER WEATHER STRIPPING.
Claims use since Sept. 1, 1938.

406,373. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Oct. 23, 1941. Serial No. 448,032.

NITE-LITE

FOR HAND-HELD FEED-THROUGH RHEOSTAT ELECTRIC SWITCHES PARTICULARLY ADAPTED FOR USE WITH HEATING PADS.
Claims use since July 25, 1941.

406,374. (CLASS 47. WINES.) MANUEL ROMERO DE ARANDA, Jerez de la Frontera, Spain. Filed Nov. 24, 1941. Serial No. 448,856.

José Romero P. Gil

FOR WINES.
Claims use since January 1914.

406,375. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORLANDO FARINA, doing business as Dumont Packing Co., St. Helena, Calif. Filed Dec. 22, 1941. Serial No. 449,681.

Mount Helena

FOR FRESH GRAPES.
Claims use since Jan. 1, 1925.

406,376. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SIDNEY H. MARCH, doing business as Radiescent Paint & Color Co., San Francisco, Calif. Filed Mar. 21, 1942. Serial No. 451,821.

RADIESCENT

FOR PAINTS — NAMELY, FLUORESCENT OR LUMINOUS PAINTS AND UNDERCOATING THEREFOR.
Claims use since Oct. 25, 1940.

406,377. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN REVIEWING COMPANY, Philadelphia, Pa. Filed Apr. 11, 1942. Serial No. 452,280.

Tips On Books

FOR ARTICLES APPEARING PERIODICALLY IN NEWSPAPERS AND OTHER PUBLICATIONS.
Claims use since Mar. 19, 1942.

406,378. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) C. A. KIGER COMPANY, Kansas City, Mo. Filed Oct. 2, 1942. Serial No. 455,920.

Identified Diamonds

FOR DIAMONDS.
Claims use since June 16, 1942.

406,379. (CLASS 39. CLOTHING.) ALEX LEE WALLAU INC., New York, N. Y. Filed Oct. 20, 1942. Serial No. 456,297.

FOOTCAPS

FOR STOCKING FEET.
Claims use since Sept. 1, 1942.

406,380. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HARRISON J. COWAN, doing business as Personal Luxuries Company, New York, N. Y. Filed Jan. 15, 1943. Serial No. 457,930.



FOR SOAPS.
Claims use since Mar. 15, 1941.

406,381. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATURAL VITAMINS, INC., Sanford, N. C. Filed Dec. 29, 1942. Serial No. 457,639.



FOR MIXTURE OF WHEAT FLOUR AND PREPARED WHEAT GERM TO BE USED FOR MAKING BISCUITS OR BREAD.
Claims use since Oct. 1, 1942.

406,382. (CLASS 38. PRINTS AND PUBLICATIONS.) TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa. Filed Feb. 9, 1943. Serial No. 458,434.

Analyst's Daily Comment

FOR A NEWSPAPER SECTION COMPRISING HORSE RACING SELECTIONS AND GRADED HANDICAPS, IN THE NEWSPAPER DAILY RACING FORM.
Claims use since Jan. 2, 1941.

406,383. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Apr. 22, 1943. Serial No. 460,087.

Carpenter
Temperature Compensator "30"

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Dec. 8, 1942.

406,384. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Apr. 22, 1943. Serial No. 460,088.

Carpenter
INVAR "36"

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Dec. 17, 1942.

406,385. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Apr. 22, 1943. Serial No. 460,089.

Carpenter
Free-Cut INVAR "36"

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Jan. 13, 1943.

406,386. (CLASS 38. PRINTS AND PUBLICATIONS.) CONCRETE PUBLISHING CORPORATION, Chicago, Ill. Filed Apr. 22, 1943. Serial No. 460,092.

MARINE EQUIPMENT

FOR A TRADE MAGAZINE.
Claims use since Jan. 2, 1943.

406,387. CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SAVOY BLACKING CO., INC., Brooklyn, N. Y. Filed Apr. 27, 1943. Serial No. 460,220.

KENT

FOR SHOE POLISH.
Claims use since Jan. 2, 1943.

406,388. (CLASS 48. MALT BEVERAGES AND LIQUORS.) ALEX B. STAMES, Brawley, Calif. Filed Nov. 3, 1943. Serial No. 464,680.

CERVEZA
"MEXICALI"

FOR BEER.
Claims use since January 1938.

406,389. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn and New York, N. Y. Filed Aug. 14, 1943. Serial No. 462,741.

MARVILLE

FOR WHISKEY.
Claims use since Feb. 10, 1943.

406,390. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CROWN FABRICS CORPORATION, New York, N. Y. Filed Nov. 11, 1943. Serial No. 464,914.

TONESPUN

FOR TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF.
Claims use since November 1935.

406,391. (CLASS 39. CLOTHING.) BERNARD COHEN, New York, N. Y. Filed Nov. 20, 1943. Serial No. 465,179.

"SMALL-O'LEG" GRIP

FOR LADIES', MISSES', MEN'S, AND BOYS' RIDING BREECHES AND JODHPURS.
Claims use since Dec. 2, 1941.

406,392. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LES PARFUMS DE DANA, INC., New York, N. Y. Filed Nov. 30, 1943. Serial No. 465,396.

DANA

FOR TOILET SOAPS.
Claims use since 1933.

406,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FALK PRODUCTS CO., INC., Cadillac, Mich. Filed Dec. 16, 1943. Serial No. 465,799.

FALK
ORIGINAL
POTATO FLOUR
FALK PRODUCTS CO.
CADILLAC, MICHIGAN

FOR POTATO FLOUR.
Claims use since February 1928.

406,394. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) COLONIAL MFG. CO. INC., New York, N. Y. Filed Dec. 22, 1943. Serial No. 465,975.

CUSTOMIZED

FOR FINGER-RINGS AND BROOCHES MADE OF PRECIOUS METALWARE.
Claims use since Feb. 20, 1942.

406,395. (CLASS 44. (DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio. Filed Dec. 27, 1943. Serial No. 466,087.

GARDS

FOR SANITARY NAPKINS.
Claims use since Jan. 1, 1927.

406,396. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOANNES BROTHERS COMPANY, Green Bay, Wis. Filed Jan. 10, 1944. Serial No. 466,449.

GOOD-ENUF

FOR CANNED VEGETABLES, CANNED FISH, FRUIT PRESERVES, AND MOLASSES.
Claims use since 1898.

406,397. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RELIABLE REMOVER & LACQUER CORP., Long Island City, N. Y. Filed Jan. 18, 1944. Serial No. 466,680.

RELIABLE

FOR PAINT, VARNISH, AND LACQUER REMOVER.
Claims use since Jan. 6, 1925.

TRADE-MARK REGISTRATIONS RENEWED

24,818. **SARATOGA FLAKES.** CRACKERS AND BISCUITS. Registered June 5, 1894. AMERICAN BISCUIT AND MANUFACTURING COMPANY, Chicago, Ill. Re-renewed June 5, 1944, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, successor.

170,539. **"AETNA CARPET CO." AND DRAWING.** TEXTILE CARPETS. Registered July 17, 1923. AETNA CARPET CO. Renewed July 17, 1943, to Max Rothman, doing business as Aetna Carpet Co., New York, N. Y., successor.

178,014. **"MARY FRASER" AND DRAWING.** CANDIES. Registered January 1, 1924. MARY FRASER CANDIES, INC., doing business as Mary Fraser Candy Studio. Renewed January 1, 1944, to Welch's Candy, Limited, Los Angeles, Calif., a corporation of California, successor.

179,030. **"BAKERMAID" AND DRAWING.** WHEAT FLOUR. Registered February 5, 1924. THE ROBINSON MILLING COMPANY, Salina, Kans., a corporation of Kansas. Renewed February 5, 1944.

179,036. **UNOCO.** LUBRICATING OILS AND GASOLINE. Registered February 5, 1924. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif., a corporation of California. Renewed February 5, 1944.

179,095. **"CANVAK" AND DESIGN.** FABRIC AND LEATHER WORK GLOVES, PANTS, OVERALLS, MEN'S HATS AND CAPS. Registered February 5, 1924. LESTER C. BUSH, Columbus Ohio. Renewed February 5, 1944.

179,106. **"UNION LEADER" AND DRAWING.** MEN'S AND BOYS' READY-TO-WEAR CLOTHING—NAMELY, OVERALLS MADE OF DRILL AND DENIM MATERIALS. Registered February 5, 1924. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed February 5, 1944, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

179,227. **SPM CO.** PREPARED TRACING PAPER. Registered February 5, 1924. SPECIAL PAPER MFG. CO., New York, N. Y., a corporation of New York. Renewed February 5, 1944.

179,228. **SUPREME.** PREPARED TRACING PAPER. Registered February 5, 1924. SPECIAL PAPER MFG. CO., New York, N. Y., a corporation of New York. Renewed February 5, 1944.

179,542. **TRICOLINE.** COTTON PIECE GOODS. Registered February 12, 1924. WHITWORTH & MITCHELL LIMITED, Manchester, England, an incorporated company of Great Britain. Renewed February 12, 1944.

179,548. **"ALLAPATAHATCHEE" AND DRAWING.** FRESH FRUITS AND VEGETABLES. Registered February 12, 1924. STANDARD GROWERS EXCHANGE, Orlando, Fla. Renewed February 12, 1944, to Di Giorgio Fruit Corporation, San Francisco, Calif., a corporation of Delaware, assignee.

179,605. **CAVALIER.** DRESSES, CAPES, JACQUETTES, WOMEN'S HATS, AND NECKWEAR, AS FOLLOWS—TO WIT, FICHUS, GUIMPES, JABOTS, RUFFS, AND STOLES. Registered February 12, 1924. LORD & TAYLOR, New York, N. Y., a corporation of New York. Renewed February 12, 1944.

179,640. **PAY TIME.** MEN'S AND BOYS' READY-TO-WEAR CLOTHING—NAMELY, OVERALLS AND WORK JACKETS MADE OF DRILL AND DENIM MATERIALS. Registered February 12, 1924. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed February 12, 1944, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

179,843. **"HONOR" AND DESIGN.** PILLOWCASES MANUFACTURED FROM COTTON GOODS. Registered February 19, 1924. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed February 19, 1944, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

180,530. **PYROFAX.** COMPRESSED GAS FOR HEATING, LIGHTING, AND POWER PURPOSES. Registered March 4, 1924. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y., a corporation of New York. Renewed March 4, 1944.

180,694. **STELLA VITAE.** PHARMACEUTICAL PREPARATIONS—NAMELY, A TONIC FOR FEMALE USE. Registered March 4, 1924. THACHER MEDICINE COMPANY. Renewed March 4, 1944, to Allied Drug Products Company, Chattanooga, Tenn., a corporation of Delaware, successor.

180,791. **PYROFAX.** SELF-CONTAINED UNITS FOR STORING AND SUPPLYING GAS FOR HEATING, LIGHTING, AND POWER PURPOSES, COMPRISING A CABINET, GAS CONTAINERS, REGULATORS, VALVES, GAGES, AND PIPING AND PARTS THEREFOR. Registered March 4, 1924. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y., a corporation of New York. Renewed March 4, 1944.

180,795. **MAISON MAURICE.** WOMEN'S AND MISSES' HATS, DRESSES, COATS, WRAPS, AND CAPES. Registered March 4, 1924. MAISON MAURICE, INC. Renewed March 4, 1944, to Ogus, Rabinovich & Ogus, Inc., New York, N. Y., a corporation of New York, assignee.

180,897. **RED BIRD.** PASSENGER-CARRYING AUTOMOBILE. Registered March 11, 1924. THE WILLYS-OVERLAND COMPANY. Renewed March 11, 1944, to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware, assignee, by mesne assignments.

181,000. **"WHITE CROW" AND DRAWING.** FRESH CITROUS FRUITS. Registered March 11, 1924. DILLARD & KEENE CO. Renewed March 11, 1944, to Jos. Eichelberger & Co., Eustis, Fla., a corporation of Florida, by change of name.

181,226. **LAXTORIA.** PROPRIETARY LAXATIVE REMEDY. Registered March 18, 1924. AMERICAN CHEMICAL & DRUG CO. INC. Renewed March 18, 1944, to N. D. Petrochko & Company, Olyphant, Pa., a firm, assignee.

181,503. **R.S.S.** SNAP FASTENERS. Registered March 18, 1924. THE AMERICAN FASTENER COMPANY, Waterbury, Conn., a corporation of Connecticut. Renewed March 18, 1944.

181,788. **"NATION-WIDE" AND DRAWING.** COTTON PIECE GOODS. Registered March 25, 1924. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed March 25, 1944, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

181,821. **ANESTEX.** LOCAL ANÆSTHETIC. Registered March 25, 1924. DAVID CURTIS, doing business as De-Ce-Products Co. of New York, New York, N. Y. Renewed March 25, 1944, to Lynn A. Smith, doing business as Anestex Laboratories, Pittsburgh, Pa., assignee.

181,925. **OIL-RITE.** POWER PUMPS. Registered April 1, 1924. THE DEMING COMPANY, Salem, Ohio, a corporation of Ohio. Renewed April 1, 1944.

182,047. **"VASCO" AND DESIGN.** MEN'S LEATHER, RUBBER AND FABRIC SHOES; GLOVES, SOCKS, MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS; OVERALLS, AND MEN'S UNDERWEAR OF KNITTED AND TEXTILE FABRIC. Registered April 1, 1924 VIRGINIA SUPPLY COMPANY, Roanoke, Va., a corporation of Virginia. Renewed April 1, 1944.

182,210. **KYBER CLOTH.** MEN'S DRESS SHIRTS AND NEGLIGEE SHIRTS. Registered April 1, 1924. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed April 1, 1944, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

182,435. **"NATIONAL BISCUIT COMPANY" AND DESIGN.** BAKERS' PRODUCTS, SUCH AS BISCUITS, CRACKERS, WAFERS, COOKIES, AND CAKES. Registered April 8, 1924. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed April 8, 1944, to National Biscuit Company, New York, N. Y., a corporation of New Jersey

183,051. **"DURYEA'S 'MAIZENA'" AND DRAWING.** CORN FLOUR. Registered April 22, 1924. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 22, 1944.

183,084. **THORATEX.** WATERPROOF AND WATER-REPELLENT KNITTED, NETTED, AND WOVEN FABRICS. Registered April 22, 1924. FRED S. BENNETT, INC., New York, N. Y. Renewed April 22, 1944, to Metakloth Company, Lodi, N. J., a corporation of New Jersey, assignee, by mesne assignments.

183,085. **"SPRACO" AND DESIGN.** SELF-CLEANING STRAINERS FOR WATER OR OTHER LIQUID DISTRIBUTION. Registered April 22, 1924. SPRAY ENGINEERING COMPANY, Boston, Mass. Renewed April 22, 1944, to Spray Engineering Company, Somerville, Mass., a corporation of Massachusetts, assignee.

183,087. **VIVATEX.** WATERPROOF AND WATER-REPELLENT KNITTED, NETTED, AND WOVEN FABRICS. Registered April 22, 1924. FRED S. BENNETT, INC., New York, N. Y. Renewed April 22, 1944, to Metakloth Company, Lodi, N. J., a corporation of New Jersey, assignee by mesne assignments.

183,088. **VIVAWITE.** WATERPROOF AND WATER-REPELLENT KNITTED, NETTED, AND WOVEN FABRICS. Registered April 22, 1924. FRED S. BENNETT, INC., New York, N. Y. Renewed April 22, 1944, to Metakloth Company, Lodi, N. J., a corporation of New Jersey, assignee by mesne assignments.

183,154. **"NATION-WIDE" AND DRAWING.** PILLOWCASES AND SHEETS. Registered April 22, 1924. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed April 22, 1944, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

183,229. **SPRACO.** WATER-COOLING SYSTEMS. Registered April 22, 1924. SPRAY ENGINEERING COMPANY, Boston, Mass. Renewed April 22, 1944, to Spray Engineering Company, Somerville, Mass., a corporation of Massachusetts, assignee.

183,384. **WILSNAP.** LINGERIE CLASPS. Registered April 29, 1924. THE WILSON FASTENER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 29, 1944.

183,434. **SEAFOAM.** BISCUITS, CRACKERS, WAFERS, COOKIES, AND CAKES. Registered April 29, 1924. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed April 29, 1944, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

183,669. **SPAD.** AUTOMOBILES OF THE COMMERCIAL TYPE. Registered May 6, 1924. THE WILLYS-OVERLAND COMPANY. Renewed May 6, 1944, to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware, assignee by mesne assignments.

183,709. **"DAY & NIGHT WEAR" AND DESIGN.** FABRICS IN THE PIECE MADE OF WOOL AND MIXTURES OF THE SAME. Registered May 6, 1924. WILLIAM HOLLINS & COMPANY, LIMITED, London and Mansfield, England. Renewed May 6, 1944, to William Hollins & Company, Limited, Nottingham, England, a British company.

184,268. **SPRACO.** AIR WASHING AND COOLING EQUIPMENT. Registered May 20, 1924. SPRAY ENGINEERING COMPANY, Boston, Mass. Renewed May 20, 1944, to Spray Engineering Company, Somerville, Mass., a corporation of Massachusetts, assignee.

184,551. **TID-BIT.** BISCUITS, CRACKERS, WAFERS, AND CAKES. Registered May 27, 1924. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 27, 1944, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

184,697. **"MEAD'S" AND DESIGN.** SPECIALLY-PREPARED FOOD FOR INFANTS. Registered May 27, 1924. MEAD JOHNSON & COMPANY, Evansville, Ind., a corporation of Indiana. Renewed May 27, 1944.

184,763. **OLUX.** SAFETY PINS. Registered June 3, 1924. ART WIRE AND STAMPING COMPANY, Arlington, N. J. Renewed June 3, 1944, to Art Wire and Stamping Company, Newark, N. J., a corporation of New Jersey.

184,764. **LUXON.** SAFETY PINS. Registered June 3, 1924. ART WIRE AND STAMPING COMPANY, Arlington, N. J. Renewed June 3, 1944, to Art Wire and Stamping Company, Newark, N. J., a corporation of New Jersey.

184,785. **"RAMONA" AND DRAWING.** COTTON PIECE GOODS. Registered June 3, 1924. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed June 3, 1944, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

185,155. **"MAIZENA" AND DRAWING.** CORN FLOUR. Registered June 10, 1924. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 10, 1944.

185,309. **SUNLITE.** JELLY POWDERS. Registered June 10, 1924. WAUKESHA JELLY POWDER COMPANY. Renewed June 10, 1944, to Sunlite Dessert Company, Inc., Waukesha, Wis., a corporation of Wisconsin, by change of name.

185,311. **"BERING" AND DRAWING.** CIGARS. Registered June 10, 1924. CORRAL, WODISKA Y CA., Tampa, Fla., a corporation of Florida. Renewed June 10, 1944.

185,468. **SPRACO.** PNEUMATIC PAINTING AND INDUSTRIAL SURFACE-FINISHING EQUIPMENT AND PARTS THEREOF. Registered June 17, 1924. SPRAY ENGINEERING COMPANY, Boston, Mass. Renewed June 17, 1944, to Spray Engineering Company, Somerville, Mass., a corporation of Massachusetts, assignee.

185,677. **"MOORE QUALITY" AND DESIGN.** KNITTED, WOVEN, AND BRAIDED ELASTIC FABRIC AND WEBBING, NONELASTIC WOVEN WEBBING, AND WOVEN SINGLE AND DOUBLE COLLAR FABRIC. Registered June 24, 1924. MOORE FABRIC COMPANY, Pawtucket, R. I., a corporation of Rhode Island. Renewed June 24, 1944.

185,692. **"ACE" AND DESIGN.** LUBRICATING OILS, LUBRICATING GREASES, KEROSENE, GASOLINE, NAPHTHA, FUEL OILS, GAS OILS, AND ROAD OILS. Registered June 24, 1924. MIDWEST OIL COMPANY. Renewed June 24, 1944, to Midwest Oil Company, Minneapolis, Minn., a corporation of Delaware, assignee.

185,762. **"LONGMEADOW" AND DRAWING.** HATS, SWEATERS, COATS, SUITS, SKIRTS, BLOUSES, STOCKINGS, AND DRESSES. Registered June 24, 1924. THE BRIGHAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed June 24, 1944.

185,899. **KOL-O-RO.** SOAP FOR DYEING FABRICS. Registered June 24, 1924. TORNABELL EXPORT CORPORATION, New York, N. Y. Renewed June 24, 1944, to Doctor E. Sarra, Habana, Cuba, assignee.

185,953. **GROZ-IT.** PULVERIZED ANIMAL MANURE. Registered July 1, 1924. PACIFIC MANURE & FERTILIZER Co. Renewed July 1, 1944, to Frank J. Jones, San Francisco, Calif., assignee by mesne assignments.

186,025. **LEUKANOL.** CHEMICALS USED FOR THE TANNING OF HIDES. Registered July 1, 1924. ROHM & HAAS CO., INC. Renewed July 1, 1944, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware, assignee.

186,075. **SPARTAN.** FRESH CITROUS FRUITS. Registered July 1, 1924. GLENDORA MUTUAL ORANGE ASSOCIATION, Azusa, Calif. Renewed July 1, 1944, to Glendora Mutual Orange Association, Glendora, Calif., a corporation of California.

186,188. **JIM DANDY.** CANDY. Registered July 1, 1924. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Renewed July 1, 1944, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, successor.

186,368. **SOILAX.** CLEANING COMPOUND FOR WINDOWS, MIRRORS, BRASS FIXTURES, PAINTED AND VARNISHED WOODWORK, GLASSWARE, SILVERWARE, AND THE LIKE. Registered July 8, 1924. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn., a corporation of Delaware. Renewed July 8, 1944.

186,388. **LOZANT.** LEATHER. Registered July 8, 1924. THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio. Renewed July 8, 1944, to The Griess-Pfleger Tanning Co., Waukegan, Ill., a corporation of Ohio.

186,511. **"LAWTHER'S" AND DESIGN.** CHICK SCRATCH GRAIN, BUTTERMILK STARTER, HEN SCRATCH GRAIN, EGG-LAYING MASH, CHICKEN FATTENER, GROWING MASH FOR CHICKENS, GROWING GRAIN FOR CHICKENS, PIGEON FEED, HORSE AND MULE FEED, STEER FATTENER, PIG FEED, AND COW FEED. Registered July 22, 1924. WILLIAM J. LAWTHER, doing business as W. J. Lawther Mills. Renewed July 22, 1944, to W. J. Lawther Mills, Dallas, Tex., a corporation of Texas, assignee by mesne assignments.

186,601. **AIRWAY.** GOLF CLUBS. Registered July 22, 1924. THE CRAWFORD, MCGREGOR AND CANBY COMPANY, Dayton, Ohio. Renewed July 22, 1944, to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

186,642. **VASSAR.** HOSIERY. Registered July 22, 1924. THE POWELL KNITTING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 22, 1944.

186,649. **"SWEETHEART BRAND" AND DESIGN.** MEN'S, YOUTH'S, AND BOYS' OVERALLS; MEN'S WORK PANTS AND DRESS PANTS; MEN'S AND BOYS' WORK SHIRTS; MEN'S AND BOYS' DRESS SHIRTS; MEN'S AND BOYS' FLANNEL SHIRTS; MEN'S, WOMEN'S, AND CHILDREN'S COTTON UNDERWEAR AND MEN'S AND BOYS' ATHLETIC UNDERWEAR. Registered July 22, 1924. HELENA WHOLESALE DRY GOODS COMPANY. Renewed July 22, 1944, to Helena Wholesale Dry Goods Company, Helena, Ark., a partnership, assignee.

186,676. **VERTOSE.** MALT CEREAL PRODUCT USED IN MAKING BEVERAGES. Registered July 22, 1924. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES. Renewed July 22, 1944, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York, assignee.

186,709. **"McCOY'S" AND DRAWING.** COD-LIVER OIL AND COD-LIVER-OIL COMPOUND IN TABLET FORM. Registered July 22, 1924. MCCOY'S LABORATORIES, INC. Renewed July 22, 1944, to McCoy's Products, Inc., New York, N. Y., a corporation of New York, assignee.

186,814. **LUX.** FIRE-EXTINGUISHING APPARATUS, BY WHICH CARBONIC-ACID GAS OR OTHER FIRE-EXTINGUISHING GAS IS DISCHARGED. Registered July 22, 1924. WALTER KIDDE & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 22, 1944.

186,847. **"HARNETT'S SEAL" AND DRAWING.** CORN MEAL, GRAHAM FLOUR, WHOLE-WHEAT FLOUR, POULTRY SCRATCH FOOD, LAYING MASH, DAIRY FOOD, BIRD SEED, BIRD GRAVEL, AND GRIT. Registered July 22, 1924. LONG BEACH MILLING CO., Long Beach, Calif., a corporation of California. Renewed July 22, 1944.

186,894. **"DES ROSES" AND DRAWING.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, ROUGE, FACE CREAMS, SACHET, BATH SALTS, SMELLING SALTS, BREATH PASTILS, BRILLIANTINE, DENTIFRICES, EYEBROW PENCILS, HAIR TONIC, FACE LOTION, NAIL POLISH, SHAMPOO. Registered July 22, 1924. H. RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed July 22, 1944, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

187,204. **CHARMETTE.** WARP SATEENS. Registered July 29, 1924. WM. SIMPSON, SONS & CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 29, 1944.

187,210. **ECLIPSE.** FRESH CITROUS FRUITS. Registered July 29, 1924. GLENDORA MUTUAL ORANGE ASSOCIATION, Azusa, Calif. Renewed July 29, 1944, to Glendora Mutual Orange Association, Glendora, Calif., a corporation of California.

187,217. **REPRESENTATION OF A VEILED PERSON.** OPHTHALMIC LENSES. Registered July 29, 1924. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y., a corporation of New York. Renewed July 29, 1944.

187,218. **REPRESENTATION OF A VEILED PERSON AND DESIGN.** OPHTHALMIC LENSES. Registered July 29, 1924. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y., a corporation of New York. Renewed July 29, 1944.

187,221. **"NIAGARA PARA" AND DRAWING.** INSECTICIDES, DISINFECTANTS, AND DEODORANTS. Registered July 29, 1924. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y. Renewed July 29, 1944, to Niagara Alkali Company, New York, N. Y., a corporation of New York.

187,225. **MIMEOTYPE.** STENCIL PAPER, STENCILS, AND STENCIL BACKING SHEETS. Registered July 29, 1924. A. B. DICK COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 29, 1944.

187,226. **SINGER.** SEWING-MACHINE FURNITURE IN THE FORM OF COVERS OF SEWING-MACHINE CABINETS, TABLES, AND STANDS AND FOR PORTABLE CARRYING CASES FOR SEWING MACHINES. Registered July 29, 1924. THE SINGER MANUFACTURING COMPANY, New York, N. Y., and Elizabeth, N. J. Renewed July 29, 1944, to the Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

187,272. **"STANLEY" AND DESIGN.** RULES, YARDSTICKS, BEVELS, WANTAGE RODS, GAUGING RODS, TRAMMEL POINTS, PLUMB BOBS, LEVELS AND PARTS THEREOF, PLUMBS, PITCH ADJUSTERS, LEVELING STANDS, SQUARES, DIVIDERS, BEVELS AND DOUBLE BEVELS; ODD JOBS, BEING COMBINATION OF LEVELS, PLUMBS, AND OTHER MEASURING DEVICES; AND OTHER CERTAIN NAMED PRECISION INSTRUMENTS. Registered July 29, 1924. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed July 29, 1944.

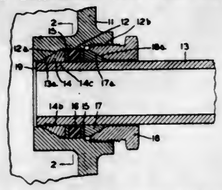
187,274. **BROWNWELT.** SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. Registered July 29, 1924. BROWN SHOE COMPANY, INC., St. Louis, Mo., a corporation of New York. Renewed July 29, 1944.

187,291. **FULL O'FRUIT.** CANDY AND CHOCOLATES IN BOXES AND BULK. Registered July 29, 1924. ELIC A. HOFFMAN, doing business as E. A. Hoffman Candy Co. Renewed July 29, 1944, to E. A. Hoffman Candy Co. Inc., Los Angeles, Calif., a corporation of California, successor.

22,459
PIPE COUPLING

George E. Armington, South Euclid, and Raymond Q. Armington, Shaker Heights, Ohio, assignors to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio

Original No. 2,318,575, dated May 11, 1943, Serial No. 371,193, December 21, 1940. Application for reissue December 2, 1943, Serial No. 512,658
5 Claims. (Cl. 285—165)

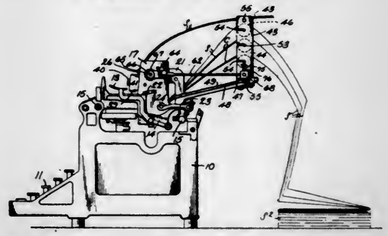


1. In a pipe coupling, inner and outer telescoping tubular members, a deformation in the outer wall of said inner member where it lies within the outer member, a lock ring lying between said members and engaging said deformation, said lock ring having internal dimensions permitting it to pass over the end of said inner member lying within the outer member, a packing nut embracing said inner member and having threaded engagement with said outer member for drawing said nut toward said lock ring, and an annular ring of compressible sealing material snugly fitting between said members and compressed between said nut and said lock ring, said inner tubular member being free to slide relative to said outer tubular member in member-separating direction, whereby said lock ring will compress said sealing material.

22,460
STRIP FEED FOR TYPEWRITING MACHINES

Louis F. Hageman, Niagara Falls, N. Y., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware

Original No. 2,300,276, dated October 27, 1942, Serial No. 308,438, December 9, 1939. Application for reissue January 21, 1943, Serial No. 473,081
7 Claims. (Cl. 197—134)

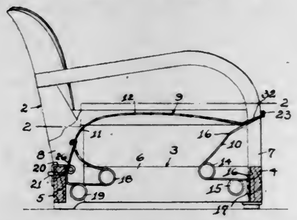


1. In a machine of the character described, in combination, a platen, means positioned beyond said platen in the direction of strip feed for feeding record strips past inscription receiving position on said platen, a transfer strip supply carriage mounted for movement toward and from said platen, a rotary threaded driving rod having threaded driving connection with said carriage, driving connections for driving said threaded rod by operation of said record strip feeding means so as to cause feeding movement of the transfer strip differentially with reference to record strip feed, and releasing means for said threaded driving connection for facilitating setting the same in different driving positions along said rod.

22,461
WIRE SPRING AND SPRING STRUCTURE

Jacob Kronheim, Cleveland Heights, Ohio, assignor to John C. Lincoln, Scottsdale, Ariz.

Original No. 2,250,486, dated July 29, 1941, Serial No. 209,713, May 24, 1938. Application for reissue December 26, 1941, Serial No. 424,537
5 Claims. (Cl. 155—179

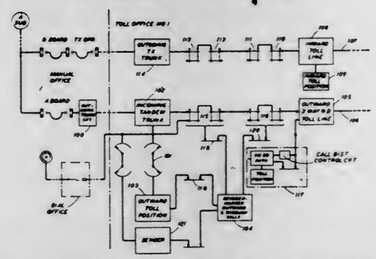


1. A spring for cushioned seats or the like comprising a horizontally corrugated seating portion including at its front end a ledge upwardly and outwardly inclined with respect to the axis of said seating portion, a front supporting means rearwardly and downwardly extended from the front end of said ledge in inclined relation with respect thereto, and rear supporting means integrally extended from the rear end of said seating portion.

22,462
TELEPHONE SYSTEM

Dwight L. Moody, Morristown, Neal D. Newby, Leonia, and Frank F. Shipley, Tenafly, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Original No. 2,161,376, dated June 6, 1939, Serial No. 140,022, April 30, 1937. Application for reissue July 1, 1942, Serial No. 449,278
35 Claims. (Cl. 179—27)

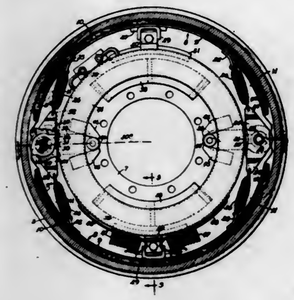


1. In combination, a toll office, incoming and outgoing toll lines, automatic switches for connecting said incoming lines to said outgoing lines, means for sending calling signals in either direc-

tion over any of said lines, an operator's position in said office, means responsive to a calling signal sent to said office over a calling incoming line for connecting said position to said line, and means controlled by the operator for selectively operating said switches to establish a toll connection between the calling incoming line and a desired outgoing line.

22,463
BRAKE
Karl M. Yost, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Original No. 2,288,663, dated July 7, 1942, Serial No. 332,717, May 1, 1940. Application for reissue July 5, 1943, Serial No. 493,609
10 Claims. (Cl. 188—106)

9. A brake having, in combination, a rotatable drum, a friction element extending around the internal drum surface and having opposed ends disposed adjacent each other on one side of the drum, a rigid member disposed between said ends and providing oppositely facing abutments against which the respective ends anchor, a momentum type operator including a driven part movable frictionally in one direction or the other when the operator is activated, the direction of such movement corresponding to the direction of rotation of said drum, an arm mounted to swing on a fixed axis disposed between said ends with its free end portion projecting inwardly a distance substantially less than the radius of said drum, means connecting said free end portion of said arm with said part for movement therewith, and means on said arm spaced inwardly from said fixed axis and engageable selectively



with the trailing end only of said element when the latter is moved in either direction and operable to move such end away from its anchor, the leading end of the element, as determined by the direction of drum rotation, remaining against its anchor during such movement of said element.

PLANT PATENTS

GRANTED MARCH 28, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

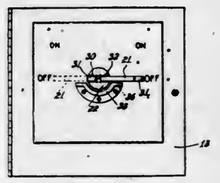
621
PEACH TREE
Walter E. Lammerts, West Los Angeles, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application November 27, 1943, Serial No. 511,981
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, characterized as to novelty by the size of its fruit, with small pit, distinct and unusual coloring of the fruit, the full bodied flavor and excellent balance between sugar and acid, resistance of the plant to delayed dormancy, and its ability to produce regular crops in the Southern California area and to leaf out and to flower and develop high flavor regardless of weather conditions preceding its ripening period, substantially as shown and described.

PATENTS

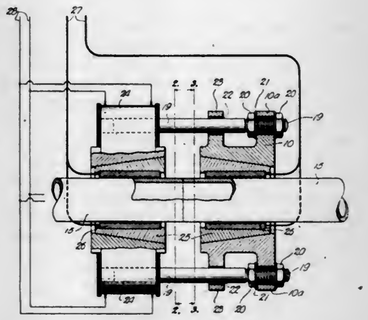
GRANTED MARCH 28, 1944

2,344,938
TWO-POSITION SWITCH
Charles C. Allyn, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application September 24, 1942, Serial No. 459,492
6 Claims. (Cl. 200—50)



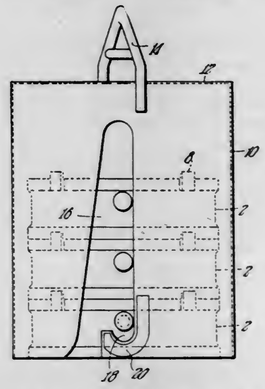
1. In a double throw switch, a box containing the two switch devices and having a cover hinged to the box, a hub carried by the cover and operatively connected with the switch devices, a handle carried by the hub and movable with respect thereto from one "off" position to another "off" position and movable with the hub from each "off" position to a corresponding "on" position and a guard coacting with the handle to prevent its movement from one "on" position to the other except after the handle has been moved to an "off" position.

2,344,939
APPARATUS FOR WELDING PIPE SECTIONS
Edwin O. Bennett, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application December 9, 1942, Serial No. 468,358
3 Claims. (Cl. 219—4)



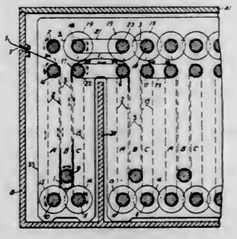
1. A butt-welding apparatus comprising a pair of frame sections adapted to be clamped on separate work pieces, a plurality of solenoids carried by one of said frame sections, plungers carried by the other of said frame sections extending therefrom and into said solenoids, and electrical connections for delivering current to the work pieces and for passing current through the solenoids.

2,344,940
HANDLING DEVICE
Louis E. Deloghia, Agawam, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application June 3, 1943, Serial No. 489,489
2 Claims. (Cl. 294—67)



1. A device for transporting heated object carrying baskets having trunnions at the sides thereof comprising in combination, a hood open at its lower side and closed at its upper side for lowering to encompass a basket or a stack of baskets, slots extending upwardly on opposite sides of the hood to permit passage of the trunnions of the basket upwardly therethrough as the hood is lowered relative to the basket, and a side of each slot adjacent the open side of the hood formed to provide a hook for underlying the trunnion of the basket.

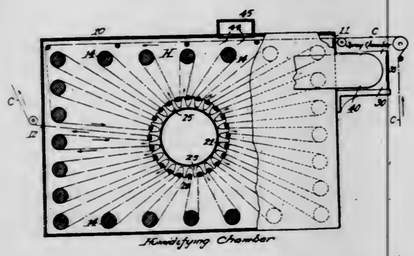
2,344,941
APPARATUS FOR DEVELOPING OF PAPER PHOTO COPIES
Emery Dutch, Bronx, N. Y.
Application December 14, 1940, Serial No. 370,165
7 Claims. (Cl. 95—94)



1. In a device, for carrying a sheet material, like paper, through a processing operation, having a tank and a processing liquid therein, and upper and lower rotating rollers set perpendicularly to the direction of the travel of the sheet through the device, and a center and two outer endless loops of a flexible material formed around said rollers, the two outer loops moving in one direc-

tion, as clockwise, and the center loop in the opposite direction, as anti-clockwise, the adjacent webs of the center and the respective outer loops moving, in one pair of webs in one direction, as downwardly, and in the other pair of webs in the other direction, as upwardly, the sheet material to be carried through the device being fed at one end between one pair of said adjacent webs, being carried by them in one direction and then being carried in the other direction by the other pair of webs, disks on the lower rollers of said outer loops rotating therewith and being of larger diameters than said rollers, to direct the travelling sheet from between one pair of webs into the other pair of webs.

2,344,942
HUMIDIFYING APPARATUS
David Gessner, Worcester, Mass.; Gertrude C. Gessner, executrix of said David Gessner, deceased, assignor to David Gessner Company, Worcester, Mass., a corporation of Massachusetts
Application July 31, 1942, Serial No. 453,143
3 Claims. (Cl. 68—5)



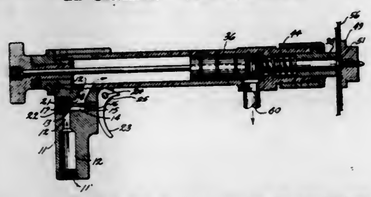
1. Cloth-humidifying apparatus comprising a casing, means to guide a piece of cloth through said casing in a series of adjacent loops open at their inner ends and having approximately radial and approximately parallel passes extending toward and away from the center of said casing, a transversely extending air conduit adjacent said open inner ends, a separate elongated nozzle device to deliver moistened air from said conduit direct to the open inner end of each loop, and means to discharge said air from the space in said casing outside of said loops, said air passing through said cloth in escaping from said casing.

2,344,943
ADJUSTABLE RESISTOR FOR FLOWMETERS
Ernest L. Gooden, Takoma Park, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application August 10, 1942, Serial No. 454,251
1 Claim. (Cl. 138—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a flowmeter, a fluid flow resistor comprising a capillary tube, a wire of smaller cross-sectional area than that of the bore of the tube, having one end extending into the tube for increasing its resistance to flow and having its other end protruding from the end of the tube, an internally threaded tubular mounting means positioned adjacent to and in alignment with the end of the capillary tube from which the wire protrudes, an adjusting screw having a fluid by-pass fixedly attached to the end of the wire and threaded into the mounting means for adjusting the length of wire extending into the tube, and means joining the tubular mounting means fluid tight to the capillary tube.



2,344,944
DIMPLING TOOL
James G. Hurst, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application September 7, 1942, Serial No. 457,633
11 Claims. (Cl. 153—21)



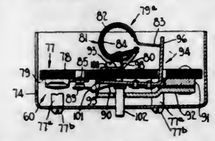
1. In a tool for die forming work articles comprising apertured plates, the combination of: a tool housing having at one end a work engaging face; a centrally bored die slidably projectible from the housing; a bucking die independent of the work article for cooperating with said projectible die, a tension rod dimensioned to pass through an aperture in the plates, said tension rod being disposed in the bore of said projectible die and securable to said bucking die, and having an end thrust engagement with said housing preventing movement of said rod toward said work engaging face; and means associated with said rod for placing it under tension to draw said bucking die, when secured to said rod, toward said housing to clamp the work article between said work engaging face and bucking die; and means for applying a force to project the die outwardly relative to the housing into forming contact with the work article while the work article is thus clamped.

2,344,945
MEANS FOR PROVIDING DRAG IN AIRCRAFT
Thomas Knox, Bristol, and William I. Stieglitz, Morrisville, Pa., assignors, by mesne assignments, to Reconstruction Finance Corporation
Application July 29, 1942, Serial No. 452,674
1 Claim. (Cl. 244—42)

In aircraft, a movable landing flap having recesses on each side thereof, auxiliary flaps pivotally connected to the landing flap and resting in the recesses, the auxiliary flaps each having a plurality of openings therein, and bosses on the landing flap registering with the openings to afford substantially smooth surfaces when the auxiliary flaps are disposed in the recesses, and means for moving the auxiliary flaps simultaneously from the recesses to positions projecting angularly with relation to the landing flap.



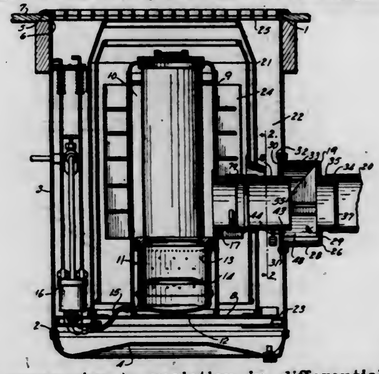
2,344,946
CONTROLLING MEANS
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 26, 1941, Serial No. 385,315
11 Claims. (Cl. 200—122)



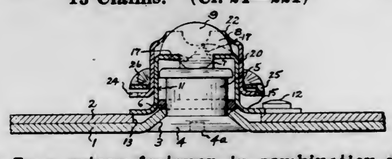
1. In a switch means of the character described, a plate-like insulating supporting member having substantially parallel opposite surfaces, a bimetallic temperature responsive member secured to one of said surfaces and having a movable lip portion spaced from said one surface, a contact member carried adjacent the other of said surfaces, a longitudinally extending flexible arm carried by and extending along said other surface, said flexible arm having one end portion held rigid with said supporting member and having its other end portion overlying said contact member, a second contact member carried by said arm other end portion and being cooperable with said first-named contact member to control an electric circuit, said supporting member having an aperture therethrough and opening through said one surface and through said other surface adjacent said arm, means carried by said arm and having a portion overlying said other surface and having a portion extending through said aperture and engageable with the end surface of said lip portion, and means urging said arm in a direction to move said second contact member away from said first-named contact member, said lip portion acting through said extending portion to hold said contact members in engagement against the force of said urging means, said responsive member acting upon a predetermined temperature thereof to move said lip portion out of engagement with said extending portion thereby to allow said urging means to move said second contact member out of engagement with said first-named contact member.

2,344,947
DRAFT REGULATOR
Russell Martin, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas
Application July 17, 1942, Serial No. 451,257
13 Claims. (Cl. 236—45)

1. In a heating appliance including a heating unit provided with a combustion chamber having an outlet for connection with a chimney to establish a pressure differential between the interior and exterior of said combustion chamber, a draft regulator connected with said outlet, a pressure responsive actuator in the draft regulator having one side subject to the pressure within the combustion chamber of the heating unit and the other side subject to pressure of air that is to be heated by said unit and arranged to move responsive to variation in differential of said pressures, means for admitting air to the draft regulator from outside space heated by said appliance, and means connecting the actuator with said air admitting means for regulating admission of air in controlling said pressure differential.



2,344,948
ROTARY FASTENER AND INSTALLATION THEREOF
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 12, 1942, Serial No. 442,602
13 Claims. (Cl. 24—221)

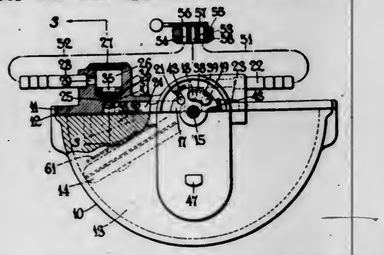


13. In a rotary fastener, in combination with a stud member formed with laterally projecting arms and a non-circular nose having at least two flat sides, said stud member being rotatably mounted in one of the parts to be supported; of a socket member attached to another part to be supported and formed with an elongated opening to admit the laterally projecting arms of said stud, a cap member rotatably mounted on said socket member and formed with a non-circular opening to receive and engage said stud nose, stud-engaging means on said cap member for engaging and locking the stud and cap members rotatively, and locking means fixedly mounted with reference to said socket member and engaging said cap member for preventing accidental rotation of said cap and stud.

2,344,949
MOTOR
Anton Rappl, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 31, 1940, Serial No. 337,966
14 Claims. (Cl. 121—97)

1. In a fluid pressure motor having a motor chamber and piston means movable therein, a passage for applying operating pressure to the

chamber and a second passage for applying a parking pressure to the chamber, the two passages adapted to be associated with means for selectively rendering either passage operative, automatic valve means for alternately directing the operating pressure from the first passage to the chamber on the opposite sides of the piston



means, a pressure operated valve responsive to pressure in said second passage to place one side of the chamber in communication with said second passage, and a second pressure operated valve closing upon opening of the said first named pressure operated valve for blocking communication between said one side of the chamber and the automatic valve means.

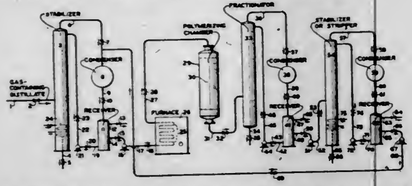
2,344,950

CONVERSION OF HYDROCARBONS

William B. Shanley, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 30, 1941, Serial No. 400,421

2 Claims. (Cl. 260—683.1)



2. The hydrocarbon conversion process which comprises, fractionating a gas-containing distillate, such as that derived by the cracking of hydrocarbon oil, to substantially free the same of 3-carbon atom fractions and form a fractionated gaseous stream containing substantially all of said 3-carbon atom fractions and only a minor portion of the 4-carbon atom components of said distillate, subjecting said stream to cooling and condensation under conditions regulated to substantially completely condense its 3 and 4-carbon atom fractions, separating any lighter uncondensed gases from the resulting condensate, supplying said condensate to a catalytic polymerizing operation and therein polymerizing substantially all of its olefinic components to form liquid polymers of good antiknock value boiling within the range of gasoline, without materially altering the paraffinic components of said condensate, recovering the liquid polymers from the resulting products and separating therefrom at least a substantial proportion of the unconverted normally gaseous fractions, condensing unconverted butane from the latter and returning the same to the first mentioned condensation step in quantities regulated to materially increase the proportion of butanes in the mixture supplied to said condensing step from said fractionating step, whereby to facilitate and insure substantially complete condensation of the propylene therein.

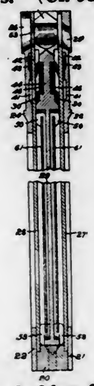
2,344,951

PHOTOGRAPHIC FILM HOLDER

Byron L. Smith, East Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application May 22, 1942, Serial No. 444,009

35 Claims. (Cl. 95—66)



1. A photographic holder for sensitized films capable of retaining such a film therein after exposure in said holder while the holder is immersed in developing, fixing and washing baths, without injury to the holder or such film, said holder being composed of material or materials effectively resisting the action of such baths and having an inner film supporting surface and opposed film-edge-engaging formations for supporting film in said holder against said surface during exposure, and also having liquid-receiving channels in the substance of and extending along said supporting surface back of the film for affording effective access of the liquids directly to such film during immersion in such baths, while so supported in said holder.

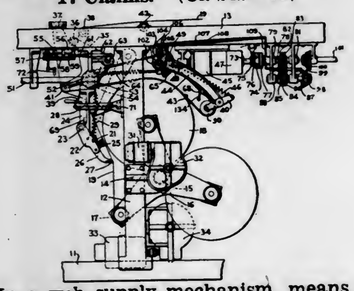
2,344,952

WEB SUPPLY MECHANISM

William C. Wieking, Woodhaven, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application March 12, 1941, Serial No 382,859

17 Claims. (Cl. 242—75)



1. In a web supply mechanism, means to rotatably support a web roll from which a web is drawn and led into a printing machine, means to apply a braking action on the periphery of the web roll as it is rotated by the pull of the web, means driven in timed relation with the machine and acting normally to continuously feed the braking means toward the axis of the web roll as the roll decreases in diameter due to the web being withdrawn therefrom, and means controlled by web tension to move the braking means toward and away from the axis of the web roll.

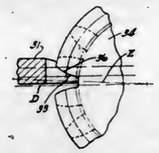
2,344,953

METHOD OF MANUFACTURING TOOTHED ELEMENTS

Earnest F. Aber, Racine, Wis.

Application May 3, 1940, Serial No. 333,067

9 Claims. (Cl. 90—9.6)



1. The method of cutting teeth which are curved in plan view in a metallic blank comprising forming a first hollow mill cutter having cutting edges on the inner sides of its teeth, forming a second hollow mill cutter having cutting edges on the outer sides of its teeth by steps including the feeding of a cylindrical blank in the first hollow mill while the latter is rotating to produce an outer cutting edge contour on the second hollow mill which matches the inner cutting edge contour on the first hollow mill, cutting the convex sides of curved teeth into the metallic blank by rotating said first hollow mill while simultaneously feeding the hollow mill inwardly into the blank to the desired depth of the tooth to be cut, while supporting said hollow mill so that a part only of the circle of teeth thereon contacts the blank, and similarly cutting the concave sides of the teeth by use of the second hollow mill.

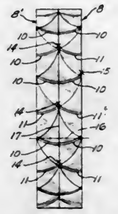
2,344,954

MILLING CUTTER

Earnest F. Aber, Racine, Wis.

Application May 30, 1942, Serial No. 445,172

6 Claims. (Cl. 29—103)



1. A circular milling cutter having cutting teeth on its periphery, the cutting edges of said teeth being arcs, the arc of every other tooth throughout the length of said tooth being the arc of a circle whose center is positioned toward one side of the cutter, and the arc of each alternating tooth throughout the length of said tooth being the arc of a circle whose center is positioned toward the opposite side of the cutter.

2,344,955

MILLING MACHINE CUTTER

Earnest F. Aber, Waterford, Wis.

Original application December 30, 1939, Serial No. 311,877, now Patent No. 2,322,408, dated June 22, 1943. Divided and this application August 24, 1942, Serial No. 455,837

11 Claims. (Cl. 29—103)

1. A cutting wheel for milling operations comprising a circular metallic member adapted to be rotated in use and having a cutting tooth extending transversely of its periphery, the cutting edge of said tooth being convex in plan view when viewing the periphery of the cutting wheel from immediately above said cutting edge so that successive portions in the length of said



cutting edge engage the work as the wheel is rotated and said cutting edge extending transversely of the periphery of the cutting wheel and said cutting edge lying in a surface on the periphery which extends in the same general direction as the axis of rotation of the cutting wheel.

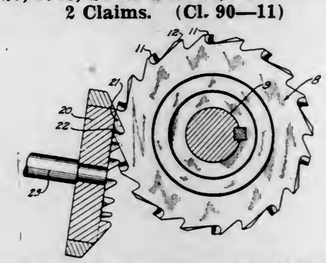
2,344,956

METHOD OF MANUFACTURING MILLING CUTTERS

Earnest F. Aber, Waterford, Wis.

Original application May 30, 1942, Serial No. 445,172. Divided and this application February 20, 1943, Serial No. 476,550

2 Claims. (Cl. 90—11)



1. The method of cutting special teeth in the periphery of circular blanks to form milling cutters comprising, placing two identical blanks in registration with sides of the blanks in contact, supporting a rotating hollow mill type cutter adjacent the periphery of said blanks with the axis of rotation of the tool in the plane of the contacting sides of the blanks, feeding the rotating tool into the periphery of the blanks to cut teeth in the two blanks simultaneously, indexing the blanks after each tooth is cut and cutting every other tooth in the periphery of the blanks, shifting the blanks to bring the opposite sides in contact, and similarly cutting teeth in between each of the teeth already cut while the axis of rotation of the tool is in the plane of the new contacting sides of the blanks.

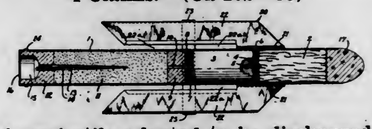
2,344,957

PISTOL ROCKET

Ralph Anzalone, Oceanside, N. Y., assignor to Aerial Products, Inc., New York, N. Y., a corporation of Delaware

Application January 12, 1940, Serial No. 313,580

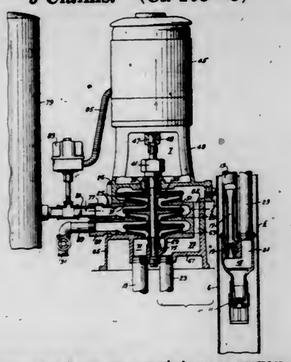
4 Claims. (Cl. 102—35)



1. A projectile adapted to be discharged from a barrel of a firing piece comprising a body, a portion of which is adapted to be inserted into

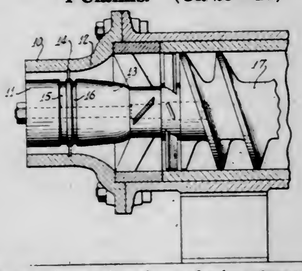
said barrel, means to guide the flight of said projectile after its discharge from said barrel, said means comprising a support member movable slidably on said body, guiding vanes attached to said support member and extending therefrom laterally and also in the direction of said body toward its trailing end, said vanes each being recessed in a portion thereof to receive said barrel whereby the vanes extend over and lie exteriorly of the barrel when said body is inserted into the barrel, said support member then lying on a forward portion of said body and said support member, carrying with it said vanes, sliding along said body toward the trailing end of the latter upon discharge of the projectile from said firing piece, and means on said body to limit the extent of such sliding movement.

2,344,958
PUMPING SYSTEM
John E. Armstrong, Berkeley, and Jack E. Piecardo, Oakland, Calif., assignors to Jacuzzi Bros., Incorporated, a corporation of California
Application July 15, 1941, Serial No. 402,468
9 Claims. (Cl. 103—5)



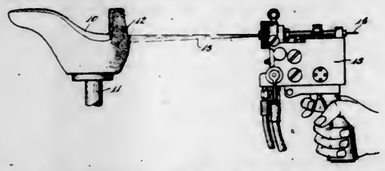
1. A pump system comprising a pump unit having a plurality of stages arranged in series; a suction line connected to the input of the initial stage of said series; an injector assembly in said suction line and including a Venturi and a nozzle; a pressure line connecting said nozzle to one of said stages beyond said initial stage; and a valve-free discharge passage from one of said stages preceding the stage to which said injector nozzle is connected.

2,344,959
APPARATUS FOR EXTRUSION OF PLASTIC MATERIAL IN TUBULAR FORM
Steven B. Avery, Philadelphia, Pa., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application August 26, 1941, Serial No. 408,325
4 Claims. (Cl. 25—14)



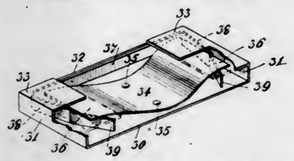
1. A die for extrusion of pipe from plastic cementitious material, comprising a nozzle through which the material is extruded, and a core within the nozzle, said core having an annular groove on its outer surface, which groove is adapted to be filled with a portion of the cementitious material that hardens therein to provide a frictional drag for effecting a balance in the rate of extrusion of the material passing through the die.

2,344,960
DEPOSITION FORM AND METHOD OF MAKING THE SAME
Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application July 20, 1938, Serial No. 220,314
5 Claims. (Cl. 18—41)



1. A deposition form comprising a base member of rigid material and a multitude of relatively small distinct masses of globular configuration comprising rigid material adhered to the surface of the base member in scattered disposition providing a rough surface adapted to produce leather-like finishes in articles deposited thereon.

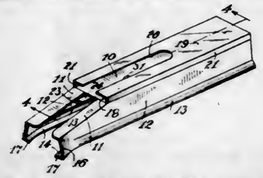
2,344,961
NONREFILLABLE CONTAINER
Sidney H. Benjamin, Milwaukee, Wis.
Application May 6, 1941, Serial No. 392,033
8 Claims. (Cl. 206—16)



1. A magazine adapted to contain a plurality of stacked articles comprising a top element having an opening therein, a bottom element, two side elements, one of which has an opening adapted to allow of the passage of a single said article therethrough, and two end elements; a resilient positioning element adopted to position the uppermost of said articles into position for removal through said opening and capable of abutment upon the inner face of said top element upon the removal of all of said articles; and at least one resilient barrier element adapted to retain said resilient positioning element in abutment upon the inner face of said top element when all of said articles are removed.

2,344,962
UNITARY BLADE MAGAZINE AND BLADE MAGAZINE HOLDER
Sidney H. Benjamin, Milwaukee, Wis.
Application July 22, 1941, Serial No. 403,483
4 Claims. (Cl. 206—16)

1. A device of the character described comprising a casing having a bifurcated top member the forward portion of which is extended downwardly forming two spaced blade guiding members; two side members, the lower portions of which are flared outwardly; a bottom member comprising two longitudinally spaced members extending inwardly from its forward end; a horizontal partition comprising two spaced members extending inwardly from its forward end and positioned between said top member and said bot-



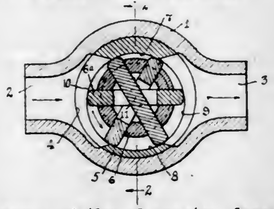
tom member forming a blade compartment; at least one blade positioning stud carried by said top member and extending downwardly into said blade compartment to within the thickness of a blade from said compartment bottom member, and a resilient member adapted to be normally in resilient abutment upon said compartment bottom member.

2,344,963
SHOELACE
Aaron Benowitz, Hicksville, N. Y.
Application June 12, 1942, Serial No. 446,791
1 Claim. (Cl. 24—117)



In a shoe having two rows of eyelets, a lace threadable through said eyelets for lacing the shoe and woven to provide an opening near each of its ends, each end of the lace being threadable through the opening in the other end adjacent one of said eyelets to be doubled back upon itself through engagement with the eyelet to secure the end to the lace.

2,344,964
PUMP
Joseph B. Brennan, Cleveland, Ohio
Application September 25, 1941, Serial No. 412,300
2 Claims. (Cl. 103—138)

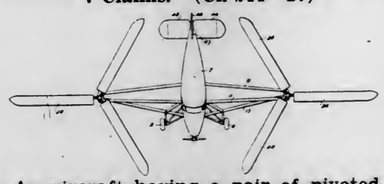


1. In a pump of the character described, the combination of a pump body having a bore, the normal cross-section of which is defined by two concentric arcs of unequal radii, with vane extending and retracting curves joining adjacent ends of said arcs, a substantially cylindrical rotor mounted concentrically with said arcs, vanes slidably carried by said rotor and in engagement at all times at their opposite terminal portions with the inner periphery of said bore, said bore engaging terminal portions of said vanes being arcuately relieved from substantially the center plane thereof to the opposite sides thereof, said pump being characterized in that the radius of said rotor is substantially less than the radius of the smaller of said concentric arcs by an amount at least as great as the radial extent by which said vanes are relieved.

2,344,965
DERIVATIVES OF 3,17-DIOLS OF THE CYCLOPENTANO POLYHYDROPHENANTHRENE SERIES AND METHOD FOR PRODUCING THE SAME
Adolf Butenandt, Danzig-Langfuhr, Freestate Danzig, and Lothar Strassberger, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application August 29, 1936, Serial No. 98,617. In Germany August 30, 1935
2 Claims. (Cl. 260—397.5)

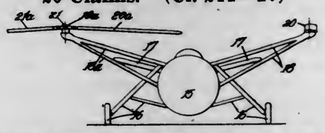
1. A 10,13-dimethyl cyclopentano polyhydrophenanthrene compound having in the 3-position a member of the group consisting of hydroxyl and groups convertible into hydroxyl with the aid of hydrolysis and having in the 17-position an etherified hydroxyl group.

2,344,966
AIRCRAFT EQUIPPED WITH SUSTAINING ROTORS
Harris S. Campbell, Bryn Athyn, Pa., assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application March 16, 1940, Serial No. 324,247
7 Claims. (Cl. 244—17)



1. An aircraft having a pair of pivoted-blade sustaining rotors arranged in side-by-side relation in positions where the rotor lift lines may be shifted forwardly or rearwardly of the center of gravity location, and control mechanism for use in making a turn including a manually operable control member and means coupling said member to both rotors for differentially tilting the rotors in longitudinal vertical planes by a single movement of said control member.

2,344,967
HELICOPTER AND GYROPLANE
James Allan Jamieson Bennett, Esher, Surrey, England, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application November 23, 1938, Serial No. 242,057
In Great Britain November 26, 1937
20 Claims. (Cl. 244—17)



1. In an aircraft, a sustaining system including a pair of rotors lying substantially in a common horizontal plane, flight control mechanism for the aircraft comprising means associated with the rotors and providing for shifting of the lift lines of the rotors to control the attitude of the aircraft in flight, the rotors comprising generally upright rotational hubs and blades pivotally mounted thereon for free aerodynamically-induced swinging in directions generally trans-

verse to planes perpendicular to the hub axes and through a range comprehending that position in which the blade is perpendicular to its rotational axis to compensate for differential lift effects in all normal flight operations including actuation of the flight control mechanism, the pivotal blade mountings being constructed to provide clearance for said range of swinging movement throughout the entire circle of rotation, the axes of said hubs being arranged in spaced side-by-side relation, the rotors incorporating the same number of blades and the blades being equi-spaced and being aerofoils respectively oriented to rotate in opposite senses, and mechanism interconnecting said rotors for rotation in such phase relationship that when the axis of a blade of one rotor extends fore and aft of the craft, the axis of a blade of the other rotor extends at an angle to said first blade axis, which angle is substantially equal to one-half of the inter-blade spacing angle.

2,344,968
FUSE

Joseph H. Church, Austin, Minn., and Gregory J. Kessenich, Madison, Wis.

Application February 6, 1940, Serial No. 317,558
4 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fuse, a capsule having an ogival head and a rearwardly contricted body, a charge of nitroglycerin mixed with an absorbent in the capsule and adapted to be separated from the absorbent under the influence of centrifugal force to be exploded on impact, a bushing fitting on the constricted body of the capsule and having a rim underlying the forward end of the body and a cap on the rear end of the body for holding it in the bushing.

2,344,969
TREATMENT OF GAS SCRUBBING AGENTS

Joseph B. Claffey, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application May 16, 1940, Serial No. 335,557
8 Claims. (Cl. 183—115)

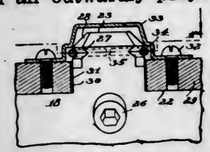
1. A process for recovering relatively volatile hydrocarbon material from a gas containing the same which comprises scrubbing said gas under temperature conditions substantially below 0° C. with a dehydrated water-immiscible liquid hydrocarbon scrubbing medium comprised preponderantly or toluene.

2,344,970
ANTISKID DEVICE FOR THE TIRES OF MOTOR VEHICLE WHEELS

Nelson H. Copp, Rochester, N. Y., assignor of one-half to Harold J. Nagle and one-half to Reginald A. Nagle, both of Rochester, N. Y.

Application June 18, 1942, Serial No. 447,512
4 Claims. (Cl. 152—233)

2. An antiskid device for attachment to a tire receiving wheel rim having an outwardly inclined marginal edge portion, said device comprising an outer part for location on the outer side of said edge portion, an inner part for engagement with the inner side of said edge portion, screw threaded means engaging one of said parts for drawing the other of said parts into clamping engagement with said edge portion, a lug on said outer part formed with an outwardly projecting shoulder,

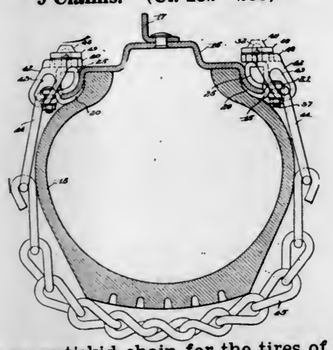


an anchoring member having an opening therein for engagement over said lug, and a spring ring associated with said member about said opening for embracing said lug below said shoulder, said member being engaged and released by mere pressure of said ring against said shoulder longitudinally of said lug, and said member having means for attachment to a traction increasing element extended across a tire on said wheel rim.

2,344,971
ANTISKID CHAIN FOR VEHICLES

Nelson H. Copp, Rochester, N. Y., assignor of one-half to Harold J. Nagle and one-half to Reginald A. Nagle, both of Rochester, N. Y.

Application June 18, 1942, Serial No. 447,513
9 Claims. (Cl. 152—233)



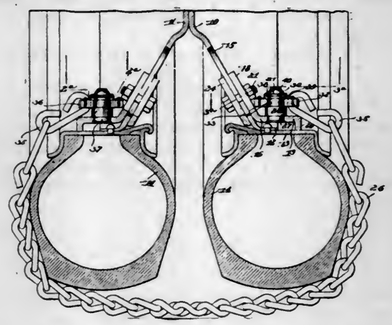
5. In an antiskid chain for the tires of vehicle wheels, a clamp for attachment to a tire receiving rim having an outwardly inclined, marginal edge portion, said clamp comprising an inner part for engaging the inner side of said edge portion, an outer part for engaging the outer side of said rim portion, said parts having extensions crossing and fulcrumed on each other, threaded means for drawing said extensions together to press said parts into clamping engagement with opposite sides of said rim, and a lug on said outer part formed with an outwardly projecting shoulder for receiving an anchoring member for a traction increasing element extended across a tire on said rim.

2,344,972
ANTISKID MEANS FOR VEHICLE WHEELS

Nelson H. Copp, Rochester, N. Y., assignor of one-half to Harold J. Nagle and one-half to Reginald A. Nagle, both of Rochester, N. Y.

Application June 18, 1942, Serial No. 447,514
5 Claims. (Cl. 152—233)

2. In an antiskid tire chain for a vehicle wheel of the disk type having an opening therethrough adjacent the felly portion of said wheel, a bracket having a clamping part for engagement with one face of said disk, a clamping plate for engagement with the opposite face of said disk, bolt means for clamping said plate and clamping part together through said disk opening, a supporting

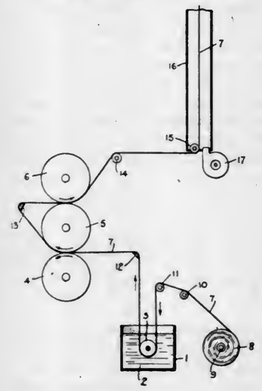


part on said bracket for engaging the felly portion of said wheel, and a lug on said supporting part for attachment to the end of a traction increasing element extended across a tire on said wheel.

2,344,973
DYEING CELLULOSE DERIVATIVES

Cyril M. Croft and Walter H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Application March 19, 1941, Serial No. 384,058
14 Claims. (Cl. 8—59)



1. Method for the coloration of an organic derivative of cellulose textile material which comprises padding such a textile material with an aqueous alcoholic solution of a dyestuff, said aqueous alcoholic solution comprising at least 70%, by weight, of a lower aliphatic alcohol which is a solvent for the dye, and then rapidly drying said material at an elevated temperature.

2,344,974
DYEING CELLULOSE DERIVATIVES

Cyril M. Croft and Walter H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

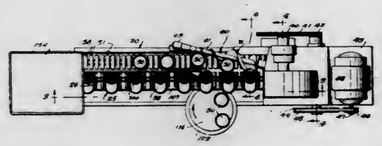
No Drawing. Application May 28, 1941, Serial No. 395,572
8 Claims. (Cl. 8—57)

1. Method for the coloration of organic derivative of celluose textile materials, which comprises padding such textile material with an aqueous alcoholic solution of a dyestuff, said aqueous alcoholic solution comprising at least 70% by weight of a lower aliphatic alcohol which is a solvent for the dye as the sole organic liquid present, rapidly drying the padded material at an elevated temperature and then topping said textile material to the desired shade by subjecting the material to the action of an aqueous, alcohol-free dye bath of the same dyestuff.

2,344,975
CAN CONVEYING AND TRANSFER APPARATUS

William De Back, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York

Original application July 15, 1940, Serial No. 345,480, now Patent No. 2,310,940, dated Februaty 16, 1943. Divided and this application June 29, 1942, Serial No. 448,982
3 Claims. (Cl. 198—22)



1. In a machine of the character described, a conveyer, a series of can carriers mounted on said conveyer and means for feeding cans sideways into said can carriers in timed relation to the movement of said conveyer comprising an angularly disposed screw having an enlarging spiral thread leading to an enlarged discharging portion, said enlarged portion being provided with a spiral groove of rapidly diminishing depth and forming a continuation of the groove of said spiral thread, means for rotating said screw in timed relation to said conveyer whereby the cans received in said groove of rapidly diminishing depth are transferred individually into said can carriers, and means for feeding the cans to the leading end of said screw.

2,344,976
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 27, 1941, Serial No. 424,649
9 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifier comprising a sub-resinous esterification product of the following formula type:

$$(OH)_n(Y_{n'}X_{n'})\begin{cases}(COOH)_m\\(COO.Y)_{m'}\end{cases}$$

in which x' and y' are small whole numbers not greater than 10 and m, n, and m' are small whole numbers not over 10, and including zero; Z in an acidic hydrogen atom equivalent; and

X is a residue derived from a polybasic carboxy acid; and Y is a residue derived from a hydroxylated esteramide containing (*a*) one amido-linked acyl radical derived from a carboxy acid having not over 5 carbon atoms and free from an alcoholic hydroxyl radical; and (*b*) at least one acyloxy radical derived from a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms, and linked by a divalent aliphatic radical to the amido nitrogen atom.

2,344,977

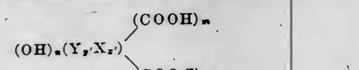
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 27, 1941, Serial No. 424,650

10 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifier, comprising a sub-resinous esterification product of the following formula type:



in which *x'* and *y'* are small whole numbers not greater than 10 and *m*, *n*, and *m'* are small whole numbers not over 10, and including zero; Z is an acidic hydrogen atom equivalent; and X is a residue derived from a polybasic carboxy acid; and Y is a residue derived from a hydroxylated ester diamide, containing (*a*) an acyl radical derived from a polybasic carboxy acid having not over 10 carbon atoms and amido-linked to both amino nitrogen atoms; and (*b*) at least one acyloxy radical derived from a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms, and linked by a divalent aliphatic radical to an amino nitrogen atom.

2,344,978

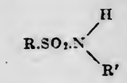
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1942, Serial No. 444,464

9 Claims. (Cl. 252—336)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising an oxyalkylated derivative of an acidyl-aryl-sulphonimid of the formula:



in which R is an aromatic nucleus, and R' is an acidyl radical obtained from a high molal detergent-forming monocarboxy acid having at least 8 carbon atoms and not more than 32 carbon atoms; said derivative being obtained by means of an oxyalkylating agent having a reactive ethylene oxide ring.

2,344,979

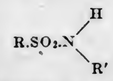
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1942, Serial No. 444,465

9 Claims. (Cl. 252—336)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a sulfonated oxyalkylated derivative of an acidyl-aryl-sulphonimid of the formula:



in which R is an aromatic nucleus, and R' is an acidyl radical obtained from a high molal detergent-forming monocarboxy acid having at least 8 carbon atoms and not more than 32 carbon atoms; said derivative being obtained by means of an oxyalkylating agent having a reactive ethylene oxide ring.

2,344,980

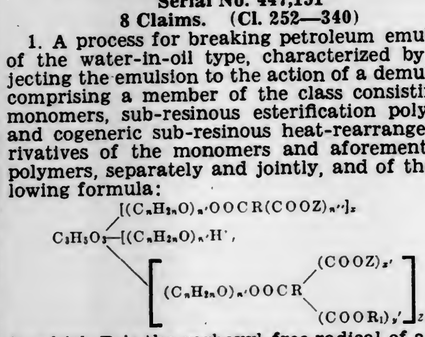
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,151

8 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble hydroxy acid radical having at least 11 carbon atoms and not more than 36 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; *n* represents the numerals 2 to 4; *n'* represents the numerals 3 to 10; *n''* represents the numerals 1 to 2; *x* represents the numerals 0 to 2; *y* represents the numerals 0 to 2; *z* represents the numerals 1 to 3; *x'* represents the numerals 0 to 1; and *y'* represents the numerals 1 to 2.

2,344,981

DYESTUFFS OF THE ANTHRAQUINONE SERIES

William Dettwyler, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 25, 1941, Serial No. 385,145

3 Claims. (Cl. 260—316)

1. The 1,1'-dianthrimide-carbazoles which carry the benzthioxanthone group in the 5(S),6

position, and which carry in one of the positions 4' and 5' a benzacyl-amino group of the class consisting of benzoylamino, halogen substituted benzoylamino and methyl substituted benzoylamino groups, which compounds dye cotton from a violet hydrosulfite bath in orange to red shades of excellent fastness properties.

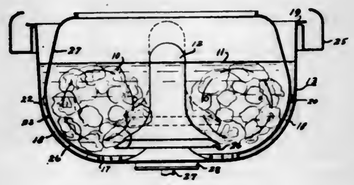
2,344,982

METHOD OF WASHING

John B. Dyer, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application May 17, 1940, Serial No. 335,748

2 Claims. (Cl. 8—158)



2. The method of washing articles in a container which comprises agitating a body of cleansing fluid and articles to be cleansed whereby the cleansing fluid is forced outwardly from the central axis along the bottom wall of the container and inwardly towards the central axis at the surface thus causing the scum to collect at the center of the container and then with the scum collected at the center rotating said body of the cleansing fluid and articles about said central axis at a sufficient speed to create a vortex in said body of fluid at the bottom of which said scum is accumulated, removing fluid and scum from the lower portion of said vortex, centrifuging portions of remaining cleansing fluid from said articles, confining the removed fluid and scum from the cleansed articles, and causing flow of the fluid and scum upwardly by centrifugal force.

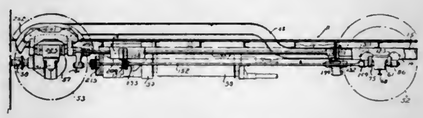
2,344,983

VEHICLE SPRING SUSPENSION

William B. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Delaware

Application December 28, 1940, Serial No. 372,151

26 Claims. (Cl. 180—1)



1. In a vehicle, a laterally rigid frame, a front axle supported at opposite ends by dirigible wheels, a rear axle supported at opposite ends by dirigible wheels, a drive axle supported at opposite ends by wheels beneath opposite sides of said vehicle and located intermediate said front and rear axles, and laterally yieldable spring assemblies resiliently interconnecting said axles and frame, said spring assemblies permitting independent controlled relative lateral movement between said frame and each of said axles and being constructed and arranged to controllably cushion said movement.

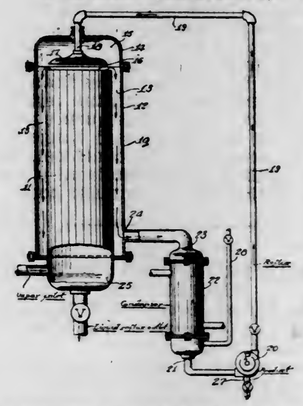
2,344,984

PROCESS AND APPARATUS FOR FRACTIONAL DISTILLATION

Merrell R. Fenske, State College, Pa., assignor to The Pennsylvania Research Corporation, a corporation of Pennsylvania

Application July 17, 1940, Serial No. 345,884

8 Claims. (Cl. 196—94)



1. In a process for the fractionation of petroleum hydrocarbons in which an ascending vapor phase is intimately and countercurrently contacted with a descending liquid phase in a fractionating zone for purposes of fractionation, the step of bringing rectified vapors produced in said fractionating zone into heat exchange relationship with substantially the entire outside circumferential walls of said fractionating zone to substantially reduce the heat gradient between said fractionating zone and its immediate exterior.

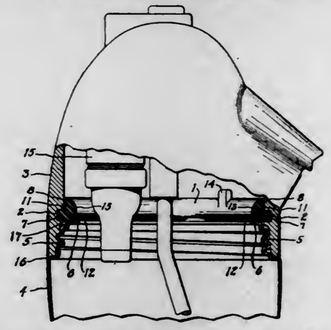
2,344,985

SEALING GASKET FOR SIPHON BOTTLES AND THE LIKE

Gustav G. Freygang, Weehawken, N. J., assignor to Specialties Manufacturing Company, Inc., Bloomfield, N. J., a corporation of Delaware

Application September 12, 1939, Serial No. 294,491

10 Claims. (Cl. 220—46)



2. In combination with a container for a fluid under pressure comprising a container shell and a closure therefor adapted to be threaded thereon, said shell having a horizontal inwardly extending flange at its top, and said closure having on its inside a groove to receive a gasket, a sealing gasket of resiliently compressible material comprising an annular body having a section substantially conforming to that of the groove and adapted to be supported therein, a wedge-shaped

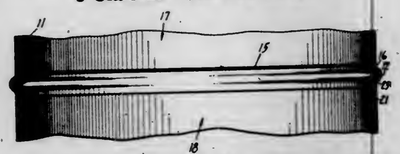
lip normally depending from the circumferential inner portion of said body with its apex pointing inwardly and adapted to be engaged by said flange and to be compressed upwardly into a horizontal position thereby to make a seal therewith, and an arcuately sectioned upper seal-making formation, outwardly concave, extending substantially upwardly from and all around said body, having an outwardly inclined outer sealing surface, said body and arcuate formation adapted to be rotated outwardly in each of their vertical sectional planes and into an intense sealing contact along said sealing surface for a distance less than the whole height of said formation with the vertical inside wall of the closure as a consequence of the upward thrust on said lip by said flange when the closure is screwed onto the container, the locus of the pivot points of said sectional planes being within the section of said annular body.

2,344,986

METHOD OF PRODUCING COMPARTMENT CONTAINERS

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application March 21, 1940, Serial No. 325,265
3 Claims. (Cl. 113—120)



1. The method of manufacturing a compartment container capable of being vacuumized, comprising applying a compound lining material to an annular groove disposed in the exterior surface of an angularly extending circumferential flange wall of a container partition plate member, inserting said plate member within a tubular container body member while limiting the depth of such insertion to an intermediate position of said plate member therein, and then pressing said partition plate flange wall radially outwardly against the inner wall surface of said tubular body wall while exteriorly confining and limiting radial outward movement of the latter to transform said annular partition plate groove into an outwardly projecting annular bead, thereby forming outwardly extending interlocking bead channels in said body and partition plate flange respectively with said lining material interposed and compressed therebetween to constitute a vacuum tight joint, whereby to provide separate independent spaced compartments in said body, each capable of being independently filled, vacuumized, sealed and opened to atmosphere.

2,344,987

BLEACHING OF SPONGES

Harlow G. Hyatt, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

No Drawing. Application November 30, 1940, Serial No. 368,039
2 Claims. (Cl. 8—109)

1. The method of treating sponges to lighten the color thereof which comprises washing the sponge with dilute acid to remove inorganic matter and then immersing the sponge in an acidified solution of a soluble chlorite and thereafter steeping the sponge in a slightly alkaline peroxide solution.

2,344,988

COMPOUNDED MINERAL OIL

Frank W. Kavanagh, Bruce B. Farrington, and James O. Clayton, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 21, 1938, Serial No. 241,649
8 Claims. (Cl. 252—53)

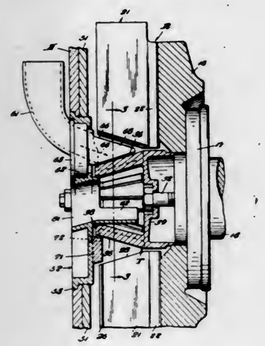
1. A composition of matter comprising a hydrocarbon lubricating oil, a metal phenate having an oil-solubilizing substituent in an aryl radical thereof, and a hydroxy ester having at least one hydroxyl group no more than two carbon atoms removed from a carboxyl group of said ester, said ester being present in an amount sufficient to stabilize the oil against oxidation, and said phenate being present in an amount sufficient to augment the action of the inhibitor.

2,344,989

ABRADING APPARATUS

Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application August 24, 1942, Serial No. 455,923
6 Claims. (Cl. 51—9)



1. In abrading apparatus, a rotor including a plurality of propeller blades extending inwardly short of the axis of the rotor, an impeller mounted between inner ends of said propeller blades rotating with said rotor, a plurality of circumferentially spaced vanes carried by the impeller, a circumferentially extending ledge carried by each vane terminating short of an adjacent vane, means for feeding abrasive over the peripheral edges of said vanes, stationary means substantially closing the free end of said impeller and said rotor, said closure means having an opening therethrough at the axis of the rotor whereby a current of air is drawn through said opening by the rotating propeller blades and the rotating impeller vanes, and means within the impeller for confining the radial outward movement of the air currents through spaces between the impeller vanes adjacent the point where the abrasive is supplied to the impeller.

2,344,990

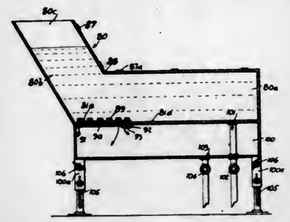
BATHTUB STRUCTURE

Fred Landauer, New York, N. Y.

Application May 2, 1941, Serial No. 391,491
2 Claims. (Cl. 128—369)

1. An apparatus for electro-therapeutic or similar treatments comprising a bath vessel provided with an upwardly extending portion for receiving

the upper parts, such as the chest of the bather, and provided with a portion angularly disposed with respect to said first-mentioned portion and adapted to receive the thighs and legs of the bather, a seat provided in said vessel, a tank located substantially below said vessel and connected to the latter to form a unit therewith, liquid discharge means positioned between said



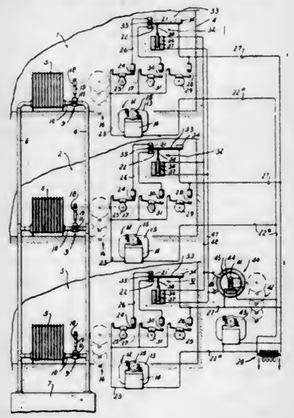
tank and said vessel and arranged to open up into said tank, and lever means including a handle, said handle being disposed outside of said vessel, said lever means being operatively connected with said liquid discharge means, whereby upon manipulation of said handle, said lever means may release the discharge means to open the same up into said tank thereby rapidly discharging liquid from said vessel.

2,344,991

CONDITION CONTROL

Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application October 11, 1939, Serial No. 298,955
6 Claims. (Cl. 236—46)



1. The combination of a condition-responsive instrument, an electrical device associated with said instrument and operating immediately in response to a change in its electrical energization to adjust the control point of the instrument variably in accordance with the degree of energization of the device, a condition regulating member movable uninterruptedly in cycles of fixed lengths to condition-increasing and condition-decreasing positions in response to condition deviations below and above the prevailing control point of said instrument, and mechanism operable to alternately and progressively increase and decrease the energization of said device during cycles each of which is many times longer than the cycles of said member whereby the time during which said member is disposed in condition-increasing position will be proportional to the deviation of said condition from a predetermined value.

2,344,992

17-ALDEHYDO-ANDROSTANES AND A PROCESS OF PRODUCING THE SAME

Willy Logemann, Berlin-Charlottenburg, and Hans Dannenbaum, Falkenhain-Finkenkrug, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application June 17, 1938, Serial No. 214,313. In Germany June 21, 1937
17 Claims. (Cl. 260—397.4)

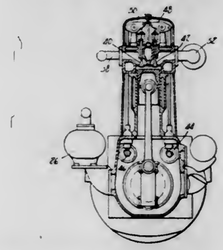
1. A process for the manufacture of 17-aldehydo-androstanes comprising oxydatively degrading compounds taken from the group consisting of nuclearly saturated and nuclearly unsaturated cyclopentano-polyhydrophenanthrene compounds containing on the carbon atom 17 an unsaturated side chain having a double bond located between carbon atoms 20 and 21.

2,344,993

INTERNAL COMBUSTION ENGINE

Alf Lysholm, Stockholm, Sweden

Application February 15, 1941, Serial No. 379,011
In Germany January 3, 1939
16 Claims. (Cl. 123—105)



8. In an internal combustion engine, a cylinder having valves for controlling flow of gaseous fluid to and from the cylinder and timed engine driven means for opening and closing said valves, said means being timed to place the cylinder in communication with the induction system of the engine during the induction stroke so as to admit to the cylinder at mean engine speed a charge substantially less than the effective volumetric capacity of the cylinder at that speed and said means further being timed to open at least one of said valves during a portion of the compression stroke to reject from the cylinder a portion of the partial charge previously inducted, whereby to retain in the cylinder a final working charge less than the previously inducted partial charge.

2,344,994

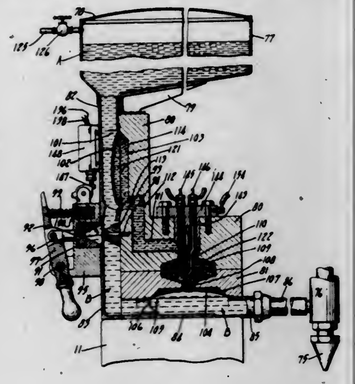
COMPOUND MEASURING DEVICE

Alan J. Macdonald, Hamilton, Ontario, Canada, assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application April 16, 1942, Serial No. 439,283
12 Claims. (Cl. 113—80)

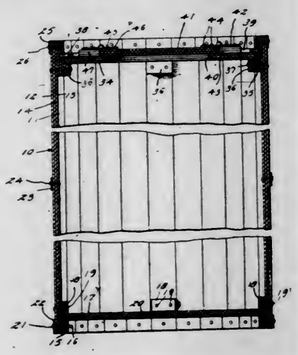
1. In a compound measuring unit for container lining machines, the combination of a supply tank for holding the compound, a conduit for conveying liquid compound from said tank for

the lining operation, means for applying pressure to the compound in said tank to effect the lining operation, devices in said conduit for isolating a quantity of compound from said supply tank, and



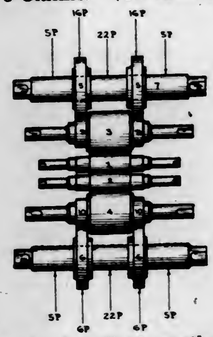
measuring means associated with said conduit and connecting with said pressure means and controlled by the pressure on said isolated compound for determining the amount of compound for each container part being lined.

2,344,995
COLLAPSIBLE CONTAINER
Ralph S. McConnell, Portsmouth, Va.
Application June 18, 1942, Serial No. 447,569
4 Claims. (Cl. 217—44)



1. A collapsible container comprising a cylindrical side wall formed of staves, inwardly projecting head retaining liners at each end of said side wall, a disc-shaped head at one end of said side wall bearing against the inner edge of an adjacent liner and having a diameter equal to the inner diameter of said side wall, a plurality of head retaining blocks fixed to the inner side of said side wall and bearing against the inner side of the said head, a second head for the opposite end of said container having a diameter equal to the inner diameter of the adjacent liner, retaining blocks for said second head carried by certain of said liners and disposed inwardly of said opposite end, the liners at said opposite end having a groove on the inner side thereof, and a split head securing ring engageable in said groove and forming an inwardly projecting head retaining flange.

2,344,996
METHOD OF MAKING DEEP-DRAWING STOCK
William M. McConnell, McKeesport, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
Original application June 14, 1939, Serial No. 279,045. Divided and this application July 19, 1941, Serial No. 403,150
3 Claims. (Cl. 80—60)



1. The herein-described method of making from steel strip and sheet a cold-rolled product having persistent deep-drawing properties by cold-rolling a normalized steel strip or sheet of deep-drawing composition under a rolling pressure approximately as great as 200,000 pounds per linear inch of roll contact with the stock at a speed approximately as great as 2,000 feet per minute in work rolls of a diameter so small as to give a bit angle at least as great as that conventional in temper mill practice; by the abnormally severe working thus effected so "deadening" the stock as substantially to eliminate tendency toward structural rearrangement therein.

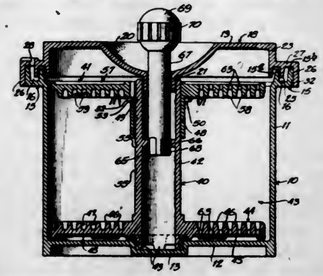
2,344,997
3-DERIVATIVES OF THE SATURATED AND UNSATURATED ANDROSTANE-3-ONE-17-OLS SUBSTITUTED IN 17-POSITION AND PROCESS OF MAKING SAME AS WELL AS THE CORRESPONDING FREE KETONES
Karl Miescher, Riehen, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application November 25, 1939, Serial No. 306,184. In Switzerland December 10, 1938
15 Claims. (Cl. 260—397.5)

1. Process for the manufacture of saturated and unsaturated androstanolones substituted in 17-position and derivatives thereof, comprising allowing metallo-organic compounds of Grignard type containing a metal of the group consisting of magnesium and zinc to react on a member of the group consisting of 3-enol ethers, 3-enol esters and 3-acetals of saturated and unsaturated androstandiones.

2,344,998
PHOTOGRAPHIC TANK
Frank M. Morgan, Glen Ellyn, and Stanley Wallace, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 5, 1939, Serial No. 297,976
1 Claim. (Cl. 95—90.5)

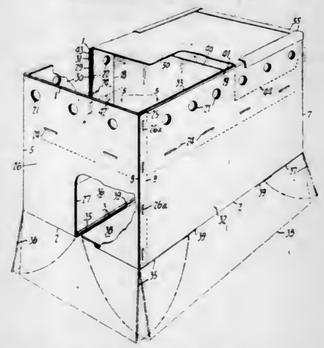
A developing tank having a film-holding reel rotatably disposed therein, means for rotating

said reel, said means comprising a hollow rod slidably and detachably engageable at one end with said reel and having means at the other end



for detachably anchoring a hose, said rod having knurled means thereon engageable by the operator to facilitate rotary manipulation while the hose is anchored to said anchoring means.

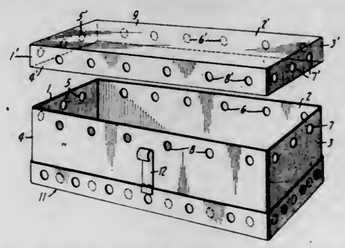
2,344,999
BOX CONSTRUCTION
Kitchener K. Newsom, San Francisco, Calif.
Application January 26, 1938, Serial No. 186,996
5 Claims. (Cl. 229—27)



1. A substantially rectangular box having four side walls and a bottom, said side walls and said bottom being formed from a single sheet of fiber board, said bottom comprising extensions of the side walls, the extensions of the opposed side walls being folded toward each other with the extension of one pair of the opposed side walls below and overlying the extensions of the other pair of opposed side walls, each of said side walls comprising two layers of the material of said sheet and both layers of each of said side walls being extended to form said extensions respectively, whereby each of the extensions comprises two layers of the sheet material, and the layers forming each of said extensions being integrally connected together along the edges thereof opposite their connections with the layers forming the side walls.

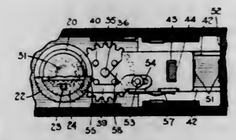
2,345,000
BOX AND CLOSURE CONSTRUCTION
Kitchener K. Newsom, San Francisco, Calif.
Application September 22, 1941, Serial No. 411,771
1 Claim. (Cl. 229—6)

A four-sided rectangular box having an open upper side and a closure removably positioned over the latter provided with a pair of opposed flanges depending therefrom and overlapping the upper marginal portions of two of the opposed sides of said box, a row of equally spaced registering openings of uniform size formed in each of said flanges and formed in the said marginal portion overlapped thereby providing for free circulation of air across the box through said opposed marginal portions, the adjacent openings of each row being spaced from each other a distance greater than the width of each opening, each of the said openings in one of said marginal portions being diametrically opposite to one of the openings in the marginal portion opposed thereto, the diametrically opposite end openings at one of the corresponding ends of the rows in said opposed marginal portions and flanges being spaced from the adjacent one of the remain-



ing two opposed sides a substantially greater distance than the distance between the other of said remaining two opposed sides and the end openings of the said rows that are adjacent thereto, the ratio of said greater distance being other than an even multiple of said distance, whereby a side to side reversal of the closure on said box will position the openings in said flanges over imperforate portions of said marginal portions between the openings in said marginal portions with one of the diametrically opposite corresponding end openings in each of the flanges over the imperforate portions of said marginal portions adjacent the said other of said remaining sides of the box.

2,345,001
OPERATING MEANS FOR ELECTRIC SWITCHES
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application March 26, 1942, Serial No. 436,228
9 Claims. (Cl. 200—159)



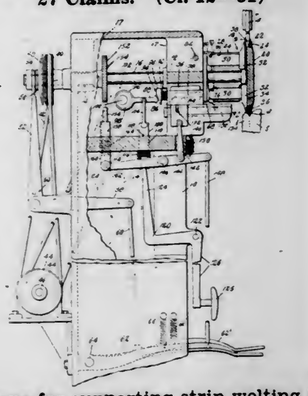
1. In a switch having a rotary circuit breaker of the mercury type, the combination of a gear operative to rotate said circuit breaker, a driving gear meshing with said first-named gear, a plurality of equi-distantly spaced pins on a surface of said driving gear, a reciprocable slide having a nose formed with oppositely angularly related surfaces adapted to extend between and engage with a pair of said pins to act as means limiting the rotation of said driving gear, means for reciprocally moving said slide in direction toward and away from said gear pins, and a pawl operatively associated with said reciprocable slide and engageable with each of said pins, in succession, to rotate said gear an amount equal to the angu-

lar spacing between successive pins upon movement of said slide in one direction, there being a lost-motion connection between said slide and said pawl, whereby the nose of said slide is moved out of engagement with the pins of said gear prior to rotation of said gear by said pawl.

2,345,002
WELT-APPLYING MACHINE

John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application February 13, 1943, Serial No. 475,770
27 Claims. (Cl. 12—51)



1. Means for supporting strip welting having a precoated beveled edge in a position to facilitate attachment of the welting to the flange of a shoe, said means being arranged to present the welting in said position with its precoated beveled edge exposed for engagement with the flange of the shoe and constructed to release the welting from supporting pressure when in said position of attachment to the shoe.

2,345,003
FIREARM

Homer Howard Pickens, Texarkana, Tex.

Application January 28, 1941, Serial No. 376,396
3 Claims. (Cl. 42—6)



1. In a shot gun having a barrel including a cartridge chamber at the rearward end thereof, a magazine comprising a base having a longitudinal depression in its underside to conformably receive and lie along the top of the barrel, a tube fixed on said base to contain a number of cartridges in end to end relation, and having open rearward and forward ends, the rearward end of the tube being located close above said cartridge chamber and forming a discharge end, manually releasable cartridge retaining means on said discharge end of the tube, said retaining means being adapted to be engaged by the rearmost cartridge in the tube, a removable retainer on the forward end of the tube, longitudinal expanding spring means in said tube retained by said retainer, a longitudinally movable cartridge abutment in said tube, said cartridge abutment being urged toward the discharge end of said tube by said spring means and engageable with the foremost cartridge in the tube, and clamp means for securing said base in place on the barrel.

2,345,004
FASTENER

Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.

Application February 27, 1941, Serial No. 380,919
1 Claim. (Cl. 45—138)

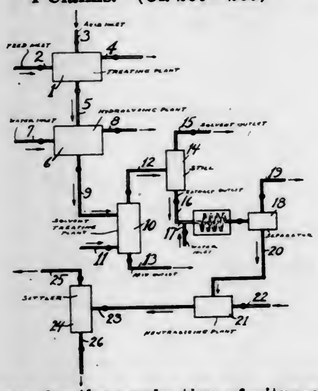


A sheet metal spring stud fastener having a head part formed from one end portion of a metal strip and a stud part formed from the other end portion of said strip, said stud part comprising two legs resiliently connected together only at the entering end of said stud part, one of said legs including an end of said strip, said end being substantially spaced from the other leg and thus being free to move substantially in and adjacent to the under surface plane of said head part and terminating at or adjacent to said plane, and tongues separated from said legs and curved toward each other to provide snap fastener engagement with the wall of an opening or socket when the stud part is inserted therein.

2,345,005
NITROGEN BASES

Chester L. Read, Westfield, and Amiot P. Hewlett, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application October 4, 1939, Serial No. 297,884
4 Claims. (Cl. 260—269)



1. Process for the production of nitrogen bases from a mineral oil of the motor fuel to gas oil boiling range containing the same, which comprises treating said mineral oil with a mineral acid, separating the resulting acid liquor containing dissolved nitrogen base salts, hydrolyzing said acid liquor to precipitate therefrom tarry and similar substances, solvent treating the acid liquor free from tarry materials with a solvent selected from the class consisting of phenols, cresols, and nitrobenzene, under conditions to form a solvent extract phase and a spent acid phase, separating the solvent extract phase and removing the solvent therefrom, mixing the residual extract with a solvent for the nitrogen base salts selected from the class consisting of alcohols and water under conditions to form an oil phase and a solvent phase containing said nitrogen salts, separating said solution of nitrogen salts and neutralizing the same with an excess of an alkaline agent to liberate the nitrogen bases as an oily phase, and separating the latter from the spent alkaline phase containing salts.

2,345,006
METHOD OF MAKING ESTERS

John Ross, Robert Louis Brandt, and Joseph Henry Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

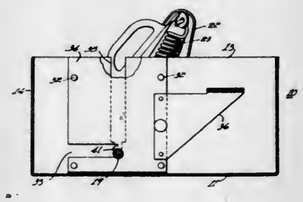
No Drawing. Application July 29, 1939, Serial No. 287,244
12 Claims. (Cl. 260—410.5)

1. The process of preparing esters which comprises reacting an organic hydroxy compound having at least six carbon atoms with a carboxylic acid halide in the presence of an amphoteric metal halide, while dissolved in a low-boiling inert solvent, and at a temperature not greater than 70° C.

2,345,007
ELECTRIC SWITCH

John W. Samzelius, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 11, 1942, Serial No. 454,361
10 Claims. (Cl. 200—168)

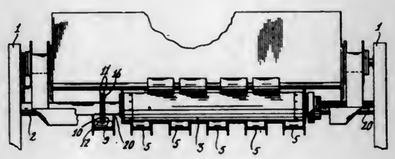


1. In an enclosed switch structure, in combination, a switch cabinet having an open ended slot in one side wall thereof, a plurality of separately mounted switch members, a switch operating shaft, and a unitary mounting plate for the switch members, said mounting plate having an open ended slot disposed in one side thereof substantially at right angles to the slot in the cabinet to retain said shaft in position in the cabinet.

2,345,008
WRITING MACHINE

John A. Schmidt, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio

Application November 27, 1941, Serial No. 420,703
17 Claims. (Cl. 197—127)



4. In a writing or imprinting machine, a platen roll, a rotary disc mounted in concentric axially spaced relation with the end of the platen roll for unison rotation, and a plurality of aligned frictional rollers, a part of which have contact engagement with the platen roll and at least one of which has contact engagement with the periphery of the disc.

2,345,009
COMPRESSED COMPOSITION AND PRODUCTS AND THE LIKE

Charles H. Schuh, Ridgewood, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

No Drawing. Original application October 25, 1935, Serial No. 46,742. Divided and this application December 15, 1937, Serial No. 179,867
6 Claims. (Cl. 260—750)

1. A self-sustaining, light weight, compressed, substantially non-metallic, cellular, thermal insulating composition of substantially uniform physical character, comprising as to its principal components finely divided, substantially water-insoluble particles and finely pulped fibers, the average individual fiber of which is about 0.08 inch in length, said fibers maintaining said particles in a fine, substantially uniform, continuously bonded, microcellular structure having a multiplicity of microscopic voids and having said particles, fiber and voids in substantially uniform volumetric distribution and said fibers arranged in substantially all directions; the proportion of said particles to fiber in said composition being such that the structure of said composition is substantially free of layers of cleavage perpendicular to the direction of compression and of parallel matting of the fiber characteristic of cardboard.

2,345,010
AZO DYE

George W. Seymour and Victor S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

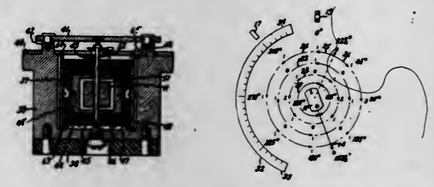
No Drawing. Application March 26, 1941, Serial No. 385,244
8 Claims. (Cl. 260—158)

1. Process for the production of an azo dye, which comprises coupling a diazotized 6-methoxy-2-amino-benzthiazole with a 3-acyl-amino-1-dihydroxyalkyl-amino-benzene.

2,345,011
PULL-OFF DEVICE FOR TELEMETER INDICATORS

Frederick R. Sias, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

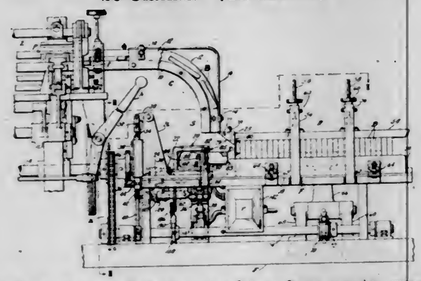
Application January 14, 1943, Serial No. 472,317
6 Claims. (Cl. 171—95)



1. A pull-off arrangement for a moving magnet instrument having a scale, one end of which is referred to as the zero end of the scale, said arrangement comprising in combination with the movable magnet of the instrument a permanent magnet mounted in such a position as to attract the movable magnet of the instrument to a position beyond that corresponding to the zero end of the scale and a magnetizable element composed of low coercive force magnetic material mounted in such a position as to attract the movable magnet of the instrument still further beyond the said zero scale end position,

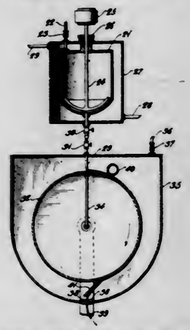
the relative strengths of the magnets and the dimensions of the magnetizable element being chosen to make the maximum reaction between the magnetizable element and the movable magnet approximately $\frac{3}{5}$ of the maximum reaction between the said permanent magnet and the movable magnet of the instrument.

2,345,012
STACKING APPARATUS
George S. Sillars, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application June 23, 1942, Serial No. 448,168
26 Claims. (Cl. 214—7)



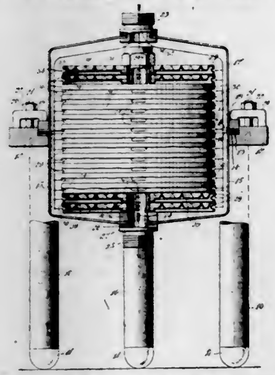
2. In apparatus for stacking box-parts, means for delivering box-parts, a support upon which they are delivered, means for positioning the box-parts upon the support, a member movable by the box-parts for controlling the positioning means, means whereby the controlling member is rendered effective by a portion only of the box-parts, and a stacking member movable in engagement with the box-parts upon the support.

2,345,013
PROCESS FOR CONDUCTING EXOTHERMIC POLYMERIZATION REACTIONS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,724
13 Claims. (Cl. 18—57)



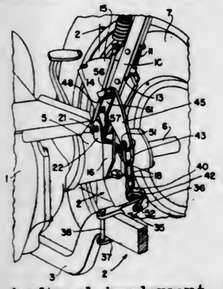
1. A continuous process for the production of polymerization products in thin films from material which polymerizes exothermically comprising supplying said material in substantially unpolymerized state to a moving surface, causing said material to form a thin film on said surface, raising the temperature of said surface to initiate the requisite exothermic polymerization reaction, subsequently in the movement of said surface lowering the temperature thereof to retard the said reaction, and then stripping the resulting polymer film from said surface.

2,345,014
FILTRATION UNIT
Alfred L. Stamsvik, Grove City, Pa., assignor to Stamsvik Manufacturing Corporation, Pittsburgh, Pa.
Application October 20, 1941, Serial No. 415,718
7 Claims. (Cl. 210—185)



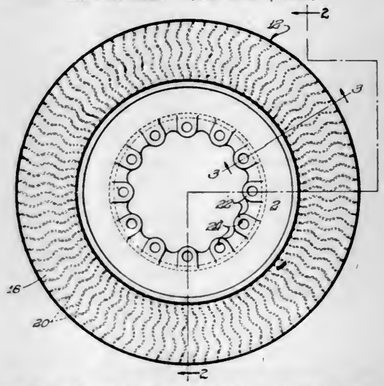
1. A filter unit of the character described, comprising an annular ring supported upon a plurality of legs; a housing comprising two halves, an upper and a lower, said halves each having a flange at their junction, said flanges resting upon said annular ring; a gasket placed between said flanges; a locking ring placed over the flange of the upper half of the housing; clamping means whereby said flanges are securely tightened against said annular ring; an inlet pipe connection on top of the upper half of the housing; a stand-pipe, the lower end of which forms the outlet connection, fastened in the centre of the lower half of said housing; a plurality of pressed metal filter discs arranged upon said central stand-pipe, said filter discs being pressed from one piece of sheet metal and having concentric, discontinuous rings and grooves of raised metal and a solid outer edge with a plurality of apertures as well as an inner, central edge with smaller apertures leading to said central stand-pipe; a plurality of thin cloth filter pads, one between every two of said filter discs, and a nut capping said central stand-pipe whereby said filter discs are held rigidly together.

2,345,015
LEVER
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 17, 1940, Serial No. 340,926
8 Claims. (Cl. 97—243)



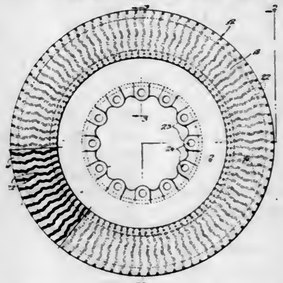
1. In an agricultural implement, the combination of supporting means, a tool beam movably connected therewith, a lifting member pivotally connected with said supporting means, an arm pivotally connected with said lifting member at a point spaced from the pivot axis thereof and operatively connected with said tool beam, and means fixing said arm to said lifting member in either of two optional positions to vary the position of the outer end of said arm relative to said tool beam and, simultaneously therewith, the effective lever arm with which said lifting member acts to raise said tool beam.

2,345,016
BRAKE ROTOR
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 16, 1942, Serial No. 431,069
13 Claims. (Cl. 188—218)



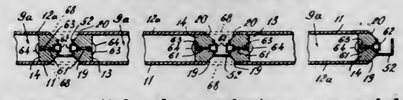
1. In a brake rotor, a support member comprising a bell-like portion having means for connection to an associated rotating member, said support member also comprising an annular support plate connected at the inner perimeter thereof to the outer perimeter of said bell-like portion, annular friction plates at opposite sides of said support plate, and spaced, radially disposed blades joining said friction plates to said support plate, each of said blades being in the form of waves, said waves being proportional in size to their distance from the center of the rotor.

2,345,017
ROTOR
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 30, 1942, Serial No. 441,079
12 Claims. (Cl. 188—264)



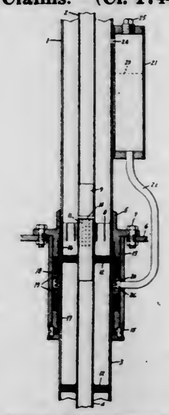
1. In a rotor, spaced annular friction plates, a support member therebetween, spaced blades connecting each plate to said member, transverse ribs on said blades extending from said member to the respective plates, and means on said member for attaching said rotor to an associated rotating member, the ribs on each side of each blade being alternately arranged with respect to the ribs on the adjacent side of the adjacent blade.

2,345,018
BUILDING CONSTRUCTION
Walter Dorwin Teague, Annandale, N. J., and Raymond R. Spilman, Bronxville, N. Y.; said Spilman assignor to said Teague
Application October 13, 1941, Serial No. 414,700
3 Claims. (Cl. 20—4)



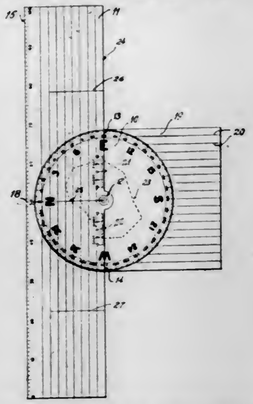
1. As an article of manufacture, a panel for a prefabricated building having in the edges thereof a plurality of spaced preformed recesses, fastening members mounted in the panel and having threaded ends terminating within said recesses, and protected by the walls thereof.

2,345,019
ROTATING COUPLING
Arthur J. Van Alstyne, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 29, 1942, Serial No. 441,054
8 Claims. (Cl. 174—21)



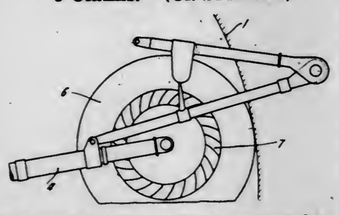
1. In a gas-filled high frequency transmission line having spaced inner and outer conductors, the combination of a fixed section of said line and a rotating section adjacent thereto, and means for maintaining electrical conductivity between said sections and for preventing the escape of gas from said line, said means comprising, a contact making member secured to one of said inner conductors and rotatably engaging the other of said inner conductors, a sleeve attached to one of said outer conductors and surrounding a portion of the other of said outer conductors, a plurality of bearing surfaces on said other outer conductor cooperating with the internal surface of said sleeve to facilitate rotation between said sections, packing material surrounding said other outer conductor between said bearing surfaces, and resilient means for maintaining said packing material in engagement with both said sleeve and said other outer conductor in the vicinity of said bearing surfaces, whereby the leakage of gas from said transmission line is prevented.

2,345,020
NAVIGATIONAL INSTRUMENT
Louis Allen Warner, Baltimore, Md.
Application April 19, 1941, Serial No. 389,427
6 Claims. (Cl. 33—75)



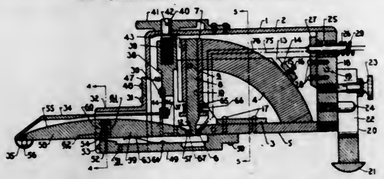
1. A navigator's plotting instrument for measuring distances and directions, comprising an elongated substantially rectangular transparent member having a length equal to several times its width and having a plurality of transverse mutually parallel lines inscribed thereon adapted to be used for transversely aligning said elongated member with the meridians or parallels on a chart, a graduated substantially circular transparent compass card having a radius smaller than the width of said substantially rectangular elongated member and having a radial meridian line, and a central pivot for said substantially circular compass card mounted for pivoting said substantially circular compass card to one of the elongated edges of said elongated member, one of the said transverse lines of said elongated member extending substantially from said pivot substantially across the narrow dimension of said elongated member, said elongated member being provided on the elongated edge thereof on which said compass card is pivoted with a deviation scale for deriving the deviation error for a particular compass system, and said compass card being provided with a deviation characteristic graph plotted in polar coordinates about the center of said circular compass card as a pole and said graph being positioned to register and read against said deviation scale.

2,345,021
RETRACTABLE WHEEL MOUNTING FOR AIRCRAFT
Charles Raymond Waseige, Rueil, France; vested in the Alien Property Custodian
Application August 4, 1939, Serial No. 288,461
In France September 10, 1937
5 Claims. (Cl. 244—102)



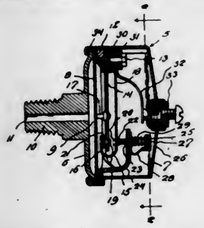
1. The combination with a retractable landing gear including a landing wheel for aircraft, of means responsive to the lowering motion of said landing gear for setting said landing wheel into rotation.

2,345,022
TRACER MECHANISM
Donald E. Williamson, Ann Arbor, Mich.
Application February 29, 1940, Serial No. 321,531
11 Claims. (Cl. 73—51)



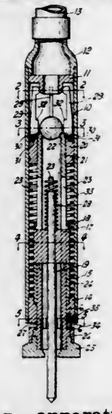
1. In a mechanism of the character described, the combination which comprises a tracer point, a holder for said tracer point, a mounting means for said holder, said mounting means including a resilient means connected to said holder, a coil of wire mounted on said tracer point holder for movement in unison with said tracer point, a coil of wire which is stationary relative to the portion of said mounting means which carries said resilient means, said coils being connected in series so as to produce opposing voltage when subjected to a common extraneous magnetic field, extending supporting means for said mounting means, and means for adjusting said tracer point and said extending supporting means relative to each other.

2,345,023
PRESSURE SWITCH
Thomas H. Yarbrough and John Paul Wheat, Waco, Tex.
Application September 14, 1942, Serial No. 458,280
1 Claim. (Cl. 200—83)
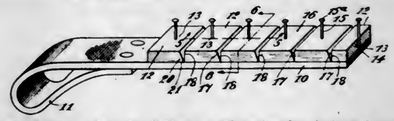


In an automatic pressure switch for an ignition system of an internal combustion engine, a base, a diaphragm coacting with said base and providing a pressure chamber, a casing clamped to the base for securing the diaphragm to the latter, a threaded nipple formed on the base and connecting the chamber to a lubricant pressure system of an engine and electrically grounding the base to the engine, a contact member mounted in said casing and influenced by said diaphragm, contact points arranged on opposite sides of the contact member, a second contact member mounted in the casing and insulated from the first contact member and having a hook-shaped portion, contact points secured to said hook-shaped portion for coacting with the contact points carried by the first-named contact member, a terminal carried by said casing and adapted to be connected into an ignition system of the engine, a contact finger connecting said terminal to the second mentioned contact member, a bracket mounted in said casing, an adjusting screw carried by said bracket for the adjustment of the second-named contact member relative to the first-named contact member, a spring member carried by the bracket and having a bifurcated portion to engage the adjusting screw for sustaining the latter against accidental movement, said casing having an opening to permit a tool to extend therein to engage the adjusting screw.

2,345,024
PERCUSSION TYPE MOTOR ASSEMBLY
Clyde E. Bannister, Tulsa, Okla.
Application July 23, 1941, Serial No. 403,657
6 Claims. (Cl. 255—4)



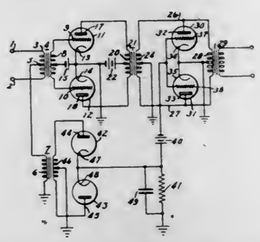
1. Earth-boring apparatus for drilling a downwardly-progressing hole and comprising a pressure-fluid cylinder, a reciprocating piston therein, a percussion-type bit connected to the piston for reciprocation therewith, means for conducting pressure-fluid to the cylinder to actuate the piston therein, and means adapted to engage the bottom of the hole for at least partially supporting the cylinder when the bit is in its return stroke.

2,345,025
SECURING MEANS FOR ADHESIVELY HELD PARTS
George Beiter, Long Island City, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application July 3, 1943, Serial No. 493,443
5 Claims. (Cl. 144—297)



1. A device for holding adhesively joined members, comprising a flexible supporting member, a plurality of blocks secured to one side surface thereof, each block having its side spaced from the adjacent side of the adjacent block, and nails, one for each block passing through the blocks and supporting member, said nails being adapted to hold adhesively joined members together, and adapted to be withdrawn from said members by the angular movement of one block in respect to its adjacent block, and each block having a flat surface to distribute the nail head pressure when the same is applied to the block to transfer it to the joined members when the block is applied thereto.

2,345,026
AUTOMATIC LEVEL CONTROL
John R. Boykin, Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 2, 1942, Serial No. 441,567
5 Claims. (Cl. 178—44)



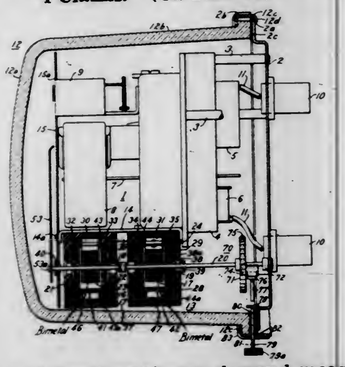
1. In a circuit, a balanced input line, a transmission channel including an impedance network coupled to said line, an output circuit for said network, a pair of variable impedance elements shunting said network, the effective impedance of said elements being variable upon application of control potentials, means for deriving potentials from current flow due to unbalance in said line, and means for applying said potentials to said variable impedance elements for varying the impedance thereof inversely with the magnitude of said potentials.

2,345,027
PERFORATION CLEANER FOR PIPE
William G. Bradford, Whittier, Calif.
Application March 19, 1941, Serial No. 384,158
1 Claim. (Cl. 166—18)



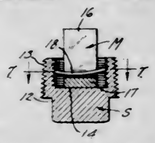
In combination with a pipe having vertically spaced perforations in the sides thereof, a cleaner pin for each perforation comprising a single strand of spring wire secured at one end to the exterior of the pipe, the free end portion of the spring wire pin being bent inwardly for disposition through the adjacent perforation in the pipe, the free end of each pin extending into the bore of the pipe to provide a tool engaging portion whereby the portion of the wire pin extending through the performation may be oscillated to dislodge any accumulations in said perforation.

2,345,028
MEASURING INSTRUMENT
William M. Bradshaw, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 10, 1941, Serial No. 401,718
4 Claims. (Cl. 171—34)



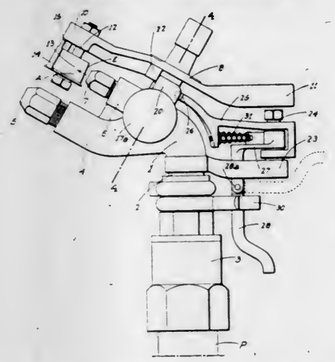
1. In a thermal maximum demand measuring device for measuring the maximum demand of a variable electrical quantity, measuring means including a thermomotive actuating unit, said thermomotive unit including bimetallic spring means designed to deflect normally in accordance with the temperature thereof, means for heating said bimetallic spring means in accordance with an electrical quantity to be measured, and unidirectional means associated with said thermomotive unit for permitting deflection of said bimetallic spring means in a predetermined direction but preventing deflection of said bimetallic spring means in the reverse direction, whereby said bimetallic spring means retains its extreme deflection in said predetermined direction, an enclosure for said measuring means including separable base and cover members, and means operable to release said bimetallic spring means for movement in said reverse direction, said bimetallic spring means operating only by its resiliency to return promptly in said reverse direction to a new deflection if the value of the quantity being measured is less than the value represented by the deflection of said bimetallic spring means immediately prior to a releasing operation thereof, said releasing means having an operating member extending exteriorly of said enclosure substantially at the junction between said cover and base members.

2,345,029
MAGNETIC PLUG
Thomas E. Brooks, Clarinda, Iowa, assignor to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa
Application November 30, 1942, Serial No. 467,427
7 Claims. (Cl. 209—215)



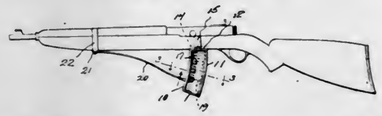
1. In a magnetic plug, a supporting member having a threaded socket therein, a horseshoe magnet received in said socket, and a retainer bar between the poles of said magnet for movement in the slot thereof formed by said poles and said retainer bar having its ends engaging the threads of said socket whereby rotation of said magnet in one direction causes said retainer bar to travel toward the bottom of said socket, engage the cross-piece of the magnet and cause the cross-piece to engage the bottom of the socket.

2,345,030
SPRINKLER
William A. Buckner, Fresno, Calif., assignor to Buckner Manufacturing Company, Fresno, Calif., a copartnership consisting of William A. Buckner and Harry Cleason
Application December 29, 1941, Serial No. 424,691
15 Claims. (Cl. 299—69)



1. A rotary sprinkler comprising a sprinkler head mounted for rotation and having a nozzle projecting therefrom and provided with a jet opening, an impulse arm mounted for oscillatory movement on the head and having a predetermined neutral position, a cam finger on the arm, a disc mounted to turn on an axis on the head, a spring tending to turn the disc, means on the disc engageable with the cam finger, means whereby water issuing from the jet opening will swing the impluse arm outward with the cam finger moving the disc against the resistance of the spring, the disc and spring functioning to act against the cam finger and return the arm to neutral position after each outward swing.

2,345,031
MULTIPLE CLIP MAGAZINE FOR RIFLES
James H. Carithers, Bentonville, Ark.
Application March 3, 1942, Serial No. 433,215
1 Claim. (Cl. 42—6)



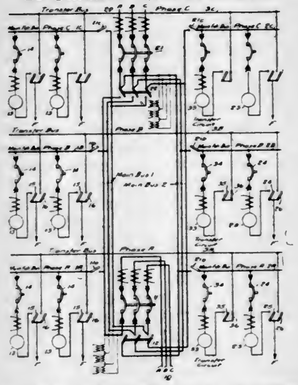
In a rifle, a magazine carried by the rifle and provided with a transverse slot in the top and a vertical slot in the wall thereof, a cartridge clip, including a plurality of chambers, slidably mounted in the magazine, and adapted to be successively positioned in registry with said transverse slot, and a resilient element one end of which is secured to the rifle, the opposite end being successively engageable in said chambers, through the vertical slot in the wall of the magazine, for singly ejecting the cartridges through said transverse slot.

2,345,032
DRIER FOR YARNS OR CORDS
Martin Castricum, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 17, 1943, Serial No. 491,158
4 Claims. (Cl. 34—154)



1. A drier comprising a long heated tube having a hard smooth outer surface over which yarns or cords will slide freely, guide means at one end of the tube for guiding yarns or cords to the tube and at the opposite end of the tube for guiding them therefrom so that when the yarns or cords are drawn forward under tension they will contact the outer surface of the tube and travel lengthwise thereof in long spiral paths in drying engagement with the tube.

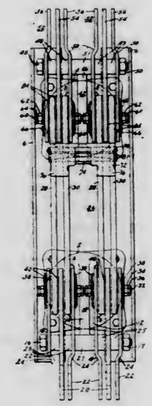
2,345,033
METAL-CLAD SWITCHGEAR
Glen L. Claybourn, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1942, Serial No. 430,703
15 Claims. (Cl. 175—298)



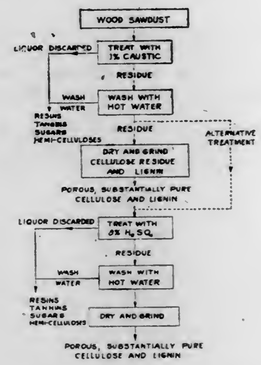
1. In metal-clad switchgear, in combination, a three-phase main bus, a housing enclosing said bus, an incoming line circuit breaker disposed at each end of said bus, metal enclosures for said breakers, three single-phase buses extending transversely to the main bus, a separate housing for each single-phase bus, the housings for two of the single-phase buses extending from said breaker enclosures, switching means for connecting each single-phase bus to one phase of the main bus, a transfer bus for each phase of the main bus, said transfer buses being disposed in generally parallel relation to the single-phase buses, and switching means for connecting each transfer bus to the single-phase bus of the corresponding phase.

2,345,034
CIRCUIT INTERRUPTER
Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1939, Serial No. 300,368
27 Claims. (Cl. 200—162)

1. In a switch, a blade member movable into and out of engagement with a contact member, said members being of a good electrical conducting material, one of said members being split to receive the other of said members, at least one of said members having limited area contact portions projecting from at least one surface thereof towards the confronting surface of the other member when said members are in engagement, with said contact portions on said one surface projecting different distances and arranged so that said contact portions engage said other member only when the switch is substantially closed.



2,345,035
MANUFACTURE OF STORAGE BATTERIES
Robert A. Daily, Muncie, Ind., and William C. Pritchard, Lawton, Okla., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 21, 1943, Serial No. 495,598
5 Claims. (Cl. 136—26)



4. An expander for addition to the negative plate paste for use in a Faure type storage battery plate consisting of comminuted, cellular, substantially pure uncondensed cellulose with some lignin, said addition agent being made from wood sawdust that has been leached at room temperature with a caustic solution ranging in concentration from 1% to 10% and then leach-

ing with sulphuric acid solution in concentrations of from 3% to 35% and at temperatures ranging from the boiling point of the solution to room temperature respectively.

2,345,036

MERCERIZING PENETRANT

Arthur De Castro, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application July 18, 1941, Serial No. 403,070
6 Claims. (Cl. 8—127)

5. A mercerizing bath comprising 98% to 99.7% of aqueous caustic soda and 2% to 0.3% of a mercerizing penetrant, said penetrant being composed of 90% to 97% of a lower phenol and 10% to 3% of a dialkylated phenol in which the alkyl groups each contain from 4 to 6 carbon atoms.

2,345,037

SPOT WELDING METHOD

William G. De Gray, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.

Application October 20, 1942, Serial No. 462,710
7 Claims. (Cl. 219—10)



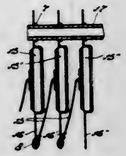
7. A method of welding relatively thin metal plates flat-wise against each other which comprises first applying an electric arc to the opposite surface of one of the plates at a heat high enough to oxidize and remove the material of the plates and form registering openings extending entirely through the plates, then reducing the heating value of the arc to a fusing temperature and filling the registering openings entirely with extraneous welding metal in the presence of a flux, said method being carried on continuously and completely with the arcing electrode located at one side of the joint.

2,345,038

BLOCKING-LAYER RECTIFIER COMPRISING A COOLING PLATE

Cornelis de Lange and Charles Louis Boucher, Eindhoven, Netherlands; vested in the Alien Property Custodian

Application May 29, 1941, Serial No. 395,874
In the Netherlands June 12, 1940
8 Claims. (Cl. 175—366)



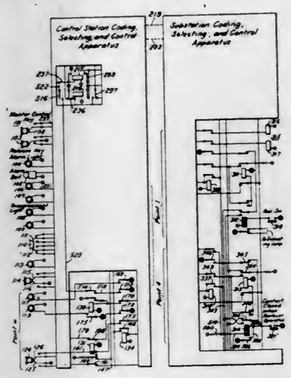
1. A rectifier unit comprising a cooling plate having a cup-shaped portion, a plate-shaped blocking-layer rectifier cell disposed within said cup-shaped portion, means comprising said cup-shaped portion fixedly clamping said cell in the cup-shaped portion, and means independent of said first means to support the rectifier unit at a point of the cooling plate outside the cup-shaped portion.

2,345,039

CONTROL AND SIGNAL SYSTEM

Willard A. Derr, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 18, 1941, Serial No. 415,604
4 Claims. (Cl. 177—353)



1. In a combined signalling and remote control system, a plurality of control points at a control station and a plurality of corresponding control points at a remote station, a supervisory control system interconnecting the control and remote stations, a plurality of circuit breakers and automatic reclosing means therefor at the remote station, position indicating means at the control station for each of a plurality of said circuit breakers, means including said supervisory control system and certain of said control points at the control and remote stations controlled by the open and closed positions of said circuit breakers for causing said position indicating means to indicate the positions of said circuit breakers, signalling means associated with other of the control points, each of said signalling means comprising a code control relay at the remote station, a signal relay, a signal device responsive to the signal relay, and a release device at the control station, means responsive to the momentary operation of a different one of said automatic reclosing means at the remote station for energizing said code control relay, circuit means controlled by said code control relay for closing a holding circuit for said code control relay, means including said supervisory control system responsive to the actuation of said code control relay for actuating the signal relay of the associated point at the control station, means including said supervisory control system responsive to the actuation of the release device for releasing the associated code control relay at the remote station, and means including the supervisory control system responsive to the release of the code control relay for releasing the associated signal relay at the control station.

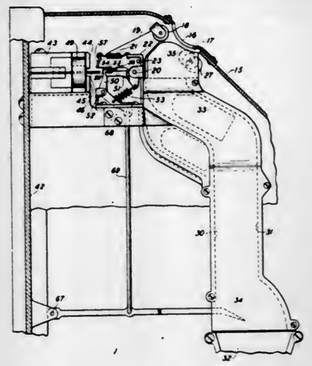
2,345,040

COIN SIGNALING DEVICE

Thomas L. Dowey and Clarence A. Lovell, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 26, 1942, Serial No. 467,009
9 Claims. (Cl. 194—1)

1. In a coin collector, a vibratory member adapted to vibrate at a definite frequency when plucked and biased to a normal position, coin operated means for moving said member to an advanced position, means for latching said member in said advanced position, other coin operated means for



releasing said member from said latching means to permit the vibration of said member, and means for translating the vibrations of said member into a signaling current.

2,345,041

ESTERS OF SULPHOTRICARBALLYLIC ACIDS

Walter P. Ericks, Cos Cob, and Edmund R. Meincke, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 8, 1940, Serial No. 333,934
1 Claim. (Cl. 260—481)

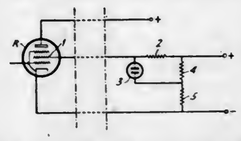
In the production of alkyl sulphotricarballylates, the steps which consist in dehydrating a compound selected from the group consisting of monoalkyl aconitate and monoalkyl sulphotricarballylate to form the corresponding anhydride and then condensing the anhydride so produced with an alcohol.

2,345,042

FAULT INDICATOR DEVICE FOR AMPLIFIER TUBES

Hans Joachim Fründt and Wilhelm Schönfeld, Berlin, Germany; vested in the Alien Property Custodian

Application November 13, 1940, Serial No. 365,560
In Germany September 18, 1939
2 Claims. (Cl. 250—27)



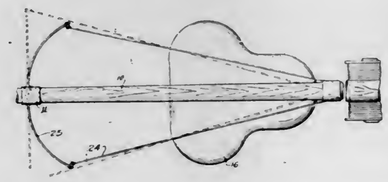
2. In an electronic tube circuit of the character described wherein it is desirable to indicate the operation of a tube having a cathode and grid circuit, a bridge circuit comprising, a voltage divider formed by two resistances connected in series across a source of direct current and forming two legs of the bridge, a series resistance unit connected in series with the cathode and grid circuit of the tube across said source of direct current whereby said series resistance unit and said cathode and grid circuit form the other two legs of the bridge, and means responsive to an unbalancing of the circuit connected between the juncture of said two resistances and the juncture of said resistance unit and said cathode and grid circuit whereby the stoppage of the electron flow through the tube causes a voltage to be impressed across said last-named means of sufficient magnitude to operate said means.

2,345,043

FISHING CATAPULT

Charles G. Hall, Los Angeles, Calif.

Application March 11, 1941, Serial No. 382,763
7 Claims. (Cl. 43—19)



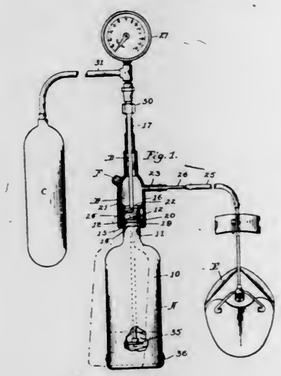
1. A fishing catapult as described comprising a rod, a guide track on said rod, a float having track engaging shoes and a line pulley, a line for said rod adapted to pass over said pulley, and means to project the float from said guide track.

2,345,044

HYDRATOR CAP

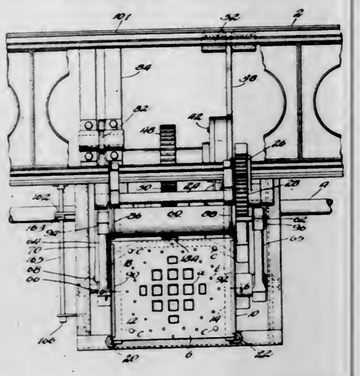
Charles W. Hall, Los Angeles, Calif.

Application October 6, 1941, Serial No. 413,863
1 Claim. (Cl. 285—210)



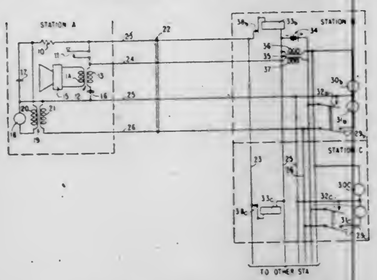
A hydrator cap for engaging the neck of a flask to sustain the latter, comprising, a resilient neck engaging socket having a thin walled hollow body fully open at its lower end and provided with an integral long freely flexible stem extending upwardly from said body, said body having an inner annular gripping groove in its lower end, an annular abutment shoulder above said groove and an inhaling fluid conducting duct connected with and leading outwardly from the side of said body, and said stem having an embracing resilient tip and tapering upwardly toward its tip to weaken its swinging resistance and provide swinging space within and a free dangling support for the flask by said stem.

2,345,045
APPARATUS FOR MAKING PIES
Lloyd J. Harriss, Kenilworth, and Bernard Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss
Application August 27, 1941, Serial No. 408,452
17 Claims. (Cl. 107—1)



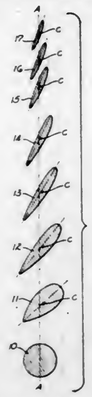
1. In combination with an intermittently moving conveyor system for preparing a pastry, a device for supplying a dough sheet component to said pastry, said device comprising a carrier for said dough sheet component, carrier moving means for moving said carrier from a receiving position for said dough sheet component to a discharging position, a driving mechanism and means operatively associated with said driving mechanism for actuating said carrier moving means during intervals when the conveyor is at rest.

2,345,046
INTERCOMMUNICATING SYSTEM
Roswell H. Herrick, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application March 12, 1942, Serial No. 434,339
9 Claims. (Cl. 179—1)



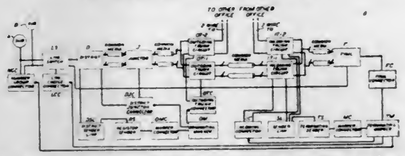
1. In a loudspeaking intercommunicating system, a pair of stations each including transmitter and receiver elements, a four conductor line extending between said stations, the first and second conductors of said line defining a signal channel for transmitting signal currents between said stations in one direction, the second and third conductors of said line defining a second signal channel for transmitting signal currents between said stations in the other direction, and the second and fourth conductors of said line defining a circuit for energizing the transmitter provided at one of said stations.

2,345,047
PROPELLER
Howard David Houghton, West Los Angeles, Calif., assignor to Aviation Patents, Inc., Los Angeles, Calif., a corporation of California
Application August 25, 1939, Serial No. 291,882
5 Claims. (Cl. 170—162)



1. An aeronautical propeller blade adapted for rotational attachment to a hub to turn about an axis of pitch-changing rotation in response to positively-applied control forces and which blade is inherently balanced to minimize the control forces necessary to effect changes in pitch, said blade being characterized by a design in which the blade is relatively thick, in which the axis of pitch-changing rotation of the blade lies within the confines of the blade throughout the major portion of the length of the blade, in each cross section of which major portion the centroid is spaced toward the leading edge of the blade from said axis, and in each cross section of which major portion the aerodynamic center of the blade is closer to the leading edge of the blade than is the centroid, said aerodynamic center and said centroid being so spaced from said axis that under a selected flight condition and when the pitch angle is at or near the average of the pitch angles at which pitch-changing is effected the centrifugal torque about said axis tending to decrease the blade pitch and the aerodynamic torque about said axis tending to increase the blade pitch substantially balance each other with respect to torque factors within the confines of the blade configuration.

2,345,048
COMMUNICATION SYSTEM
Francis A. Hubbard, Maplewood, and William H. Matthies, Hackensack, N. J., and Oscar Myers, Mount Vernon, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1941, Serial No. 418,900
41 Claims. (Cl. 179—18)



1. In a communication system, lines, broadband high frequency transmission media constituting a plurality of carrier channels, each

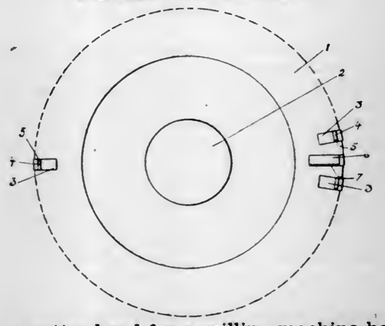
channel adapted for use in interconnecting calling and called lines, control means common to all of said lines, means responsive to the initiation of a call over one of said lines for connecting the calling line to said control means, and means including said control means for selecting one of said channels and for rendering the selected channel effective to constitute a communication path in a connection between the calling line and a called line.

2,345,049
ELECTRIC COOKER
Grant W. Hunter, Kalamazoo, Mich.
Application July 27, 1942, Serial No. 452,471
3 Claims. (Cl. 219—19)



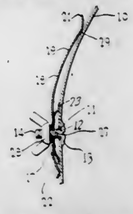
2. In an electric cooker, the combination with a base, of a pair of pointed rod-like electrodes mounted on said base in laterally spaced relation and insulated from each other, detachable rod-like extension electrodes pointed at their upper ends and having longitudinal bores at their lower ends detachably engaging the upper ends of said electrodes mounted on said base and forming an electrical contact therewith, said electrodes and end extensions being adapted to piercingly receive a plurality of frankfurters in stacked relation thereon with the electrodes engaging the frankfurters adjacent the ends thereof, and current supply connections for said electrodes.

2,345,050
CUTTERHEAD FOR MILLING MACHINES
Karl Jansen, Mannheim, Germany; vested in the Alien Property Custodian
Application August 20, 1941, Serial No. 407,518
In Germany December 23, 1939
4 Claims. (Cl. 29—105)



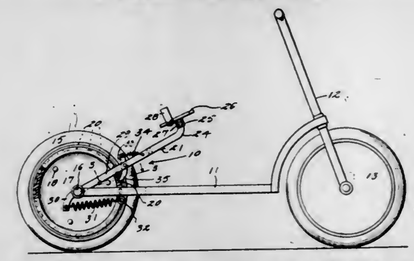
1. A cutter head for a milling machine having a number of cutters, a plurality of said cutters having cutting edges disposed in a plane and at substantially equal distance from the axis of rotation of said cutter head, one of said cutters having a cutting edge broader than the cutting edges of the other cutters and protruding slightly beyond the plane in which said other cutters are located.

2,345,051
HOLDING DEVICE
Adolph Jensen, New York, N. Y.
Application March 23, 1943, Serial No. 480,144
3 Claims. (Cl. 24—3)



1. The combination of a resilient clip adapted to bear against the hard surface of a head piece, a spacing member through which the clip is passed, and a screw device having a head behind the surface and passing through the clip and spacing member to hold the clip to the outer surface.

2,345,052
SCOOTER
Joseph F. Jordan, Hot Springs National Park, Ark.
Application January 8, 1942, Serial No. 426,077
1 Claim. (Cl. 280—254)

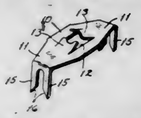


A scooter comprising a platform, a wheel mounted thereon at the front end thereof, said platform having a bifurcation at its rear end, an axle means extending across said bifurcation and mounted on the platform, a rear wheel accommodated in the bifurcation and journaled on said axle means, a relatively large disc fastened to one side of the rear wheel having a marginal flange extending laterally away from said rear wheel provided with peripheral recesses, an operating lever having a forked end providing portions on opposite sides of the rear wheel in the bifurcation and journaled on said axle means, spring means connected to the platform and to the lever below its axis to maintain the forward end of the lever elevated, a pawl carried by the lever and engageable with said recesses through depression of the lever to rotate the rear wheel, an extension on said lever, and a pedal, connected to said extension.

2,345,053
FASTENING DEVICE
Charles H. Judd and Charles Giammatteo, Cleveland, Ohio, assignors to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 28, 1942, Serial No. 467,224
4 Claims. (Cl. 85—36)

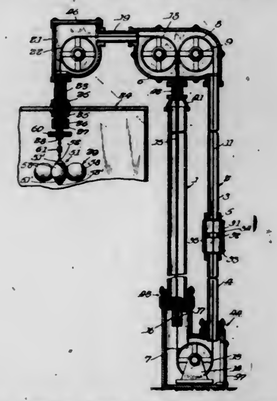
1. A fastener comprising a body of sheet material provided with an opening for the passage of a bolt, and two comparatively narrow portions at opposite ends bent at right angles to the body,

each bent portion being bifurcated to provide a pair of attaching legs, the legs of each pair being tapered at their inner edges more abruptly than



at their outer edges to spread when driven into wood or similar material, the said body having a bolt opening and carrying thread engaging means about the opening.

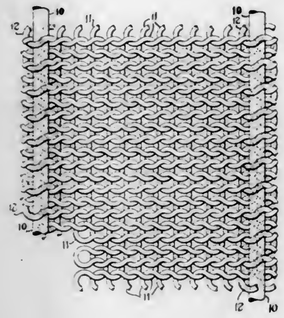
2,345,054
LIQUID LEVEL INDICATOR
Edward A. Korevec, Joliet, Ill., assignor of one-half to Leo M. Herkert, Joliet, Ill.
Application July 18, 1942, Serial No. 451,487
4 Claims. (Cl. 73—321)



2. In a liquid level indicating device of the kind described for containers, the combination of an endless graduated reading tape, a pair of spaced tape wheels between which said tape extends, a housing for said tape having a window therein through which a portion of the graduations on said tape are visible, a driver tape passing over a tape wheel positioned adjacent one of said first mentioned tape wheels and connected at one end to said reading tape, with the adjacent portion extending substantially parallel to said reading tape, the opposite end of the driver tape extending into said container, float means and counterweight means secured adjacent to one end of the driver tape, and a counterweight secured to the other end of the driver tape and to the reading tape for actuating said tapes.

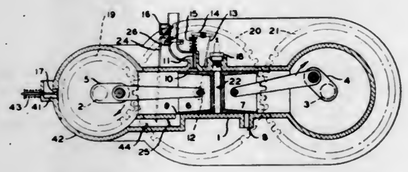
2,345,055
KNITTED ELASTIC FABRIC AND METHOD FOR PRODUCING THE SAME
Samuel C. Lilley, Hamden, and Edward E. Foster, Southport, Conn., assignors to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts
Original application June 11, 1942, Serial No. 446,580. Divided and this application May 13, 1943, Serial No. 486,768
8 Claims. (Cl. 66—190)

1. A method for producing knitted elastic fabrics which includes: fabricating together a plurality of laterally-spaced-apart elastic strands and a plurality of interknitted relatively-inelastic strands including a plurality of heat-shrinkable gripping-strands of artificial resin; at least one of the said heat-shrinkable gripping-strands having a multiple number of reaches extending crosswise of a given elastic strand and interknitted on the respective opposite sides thereof with other relatively-inelastic strands occupying the spaces be-



tween the laterally-spaced-apart elastic strands; and then subjecting the heat-shrinkable gripping-strands to the action of heat to cause the same to contract to grip the said elastic strands and couple the same to the knitted fabric with a high degree of resistance to longitudinal slippage with respect thereto.

2,345,056
INTERNAL COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application December 4, 1941, Serial No. 421,608
20 Claims. (Cl. 123—51)



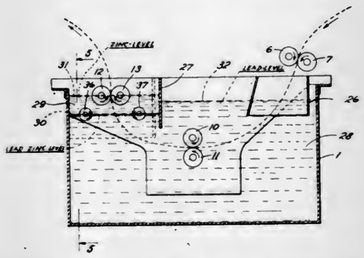
6. In an internal combustion engine having a cylinder with open ends, a crankshaft located at each end of said cylinder, a piston connected to each of said crankshafts, said crankshafts being geared together with a ratio of two-to-one to cause one of the pistons to make four strokes in said cylinder while the other piston makes two strokes to produce one compression stroke every revolution of one of the crankshafts and every other revolution of the other crankshaft, said maximum compression occurring at a time when the faster traveling crankshaft is on or at near dead center and the slower traveling crankshaft is considerably past dead center, said pistons being shaped to form a combustion chamber between them, an ignition chamber having a communication with the combustion chamber covered and uncovered by the slower traveling piston so that said ignition chamber communicates with said combustion chamber only when the compression is near its maximum or the desired ignition time, and an engine driven injection nozzle timed to inject fuel into the combustion chamber on the compression stroke.

2,345,057
SHOE
Edward Gioseph Marinetti, East Providence, R. I., assignor of one-half to Arnold W. Jones and Company, Inc., Providence, R. I., a corporation of Rhode Island
Application January 27, 1941, Serial No. 376,049
1 Claim. (Cl. 36—50)



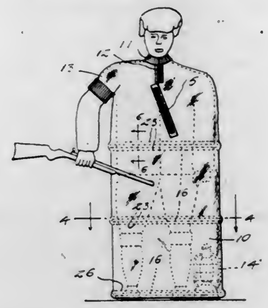
In a shoe, an upper parted at the front to provide the usual wings, each having the usual row of eyelets along each edge of such opening, a single split tongue having its lower end permanently secured to the vamp and projecting upwardly underneath said wings and having eyelets along each outer edge thereof, and a separable slide fastener extending centrally thereof intermediate said eyelets detachably joining said split portions together.

2,345,058
METHOD OF GALVANIZING
Elwin A. Matteson, Youngstown, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Original application November 25, 1939, Serial No. 306,156. Divided and this application September 1, 1942, Serial No. 456,891
2 Claims. (Cl. 117—114)



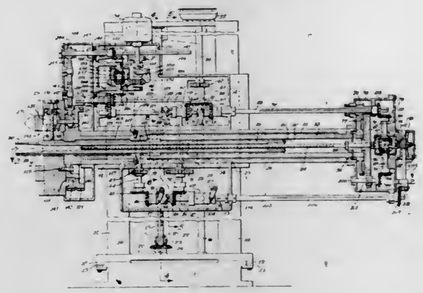
1. In the galvanizing of metal sheets or strips, a process which includes the steps of passing a sheet or strip into a bath of molten lead having a pool of molten zinc floating thereon at a point removed from the point of entry of the sheet or strip into the lead bath, removing the sheet or strip from the bath through the pool of zinc, and removing dross from the lead-zinc level of the bath by causing the dross to move in a horizontal direction generally parallel to and on both of the side surfaces of the sheet or strip as it passes through said lead-zinc level.

2,345,059
SLIP-OVER HOOP COAT
Willie M. Moats, Grafton, W. Va.
Application March 18, 1943, Serial No. 479,623
3 Claims. (Cl. 2—85)



1. A coat of the class described, having means to accommodate extension of one arm of the wearer therethrough, said coat having hoop means around the same, said hoop means together with the portions of the coat adjacent the same being arranged for collapse and disposition for support from the shoulder adjacent the other arm of the wearer, said hoop means consisting of split hoops, and discontinuous means around the garment removably mounting said hoops.

2,345,060
CUTTING MACHINE
Henry Earl Morton, Muskegon Heights, Mich.
Application January 2, 1941, Serial No. 372,797
10 Claims. (Cl. 29—26)

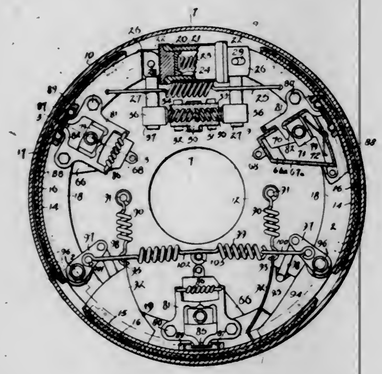


1. In a cutting machine, cutter carrying means having and being supported about an axis of rotation, screw means threadedly connected to said cutter carrying means and supported for rotation about said axis, driven means operatively connected to said cutter carrying means for rotation therewith, drive means operatively connected to said driven means and movable about an axis spaced from said first axis for rotating said cutter carrying means about said first axis at a predetermined speed, driven means operatively connected to said screw means for rotation therewith, drive means operatively connected to said second driven means and driven by said first drive means about an axis spaced from said first two axes for rotating said screw means about said first axis at said speed, and a support for said two drive means and stationary with respect thereto.

2,345,061
ORGANIC COMPOUND AND PROCESS FOR PRODUCING THE SAME
Gilbert De Wayne Miles, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application February 27, 1942, Serial No. 432,643
12 Claims. (Cl. 260—400)

1. As a new composition of matter, a polyvalent metal salt of a carboxylic acid and of an organic-substituted, polybasic, oxygen-containing, inorganic acid, said acid groups being connected through the polyvalent metal.

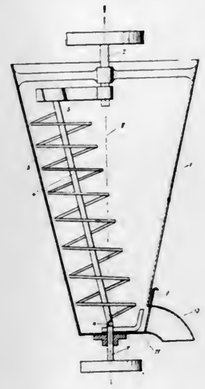
2,345,062
AUTOMATICALLY ADJUSTABLE VEHICULAR BRAKE
Edward J. Nachtwey, Green Bay, Wis.
Application March 26, 1941, Serial No. 385,344
12 Claims. (Cl. 188—79.5)



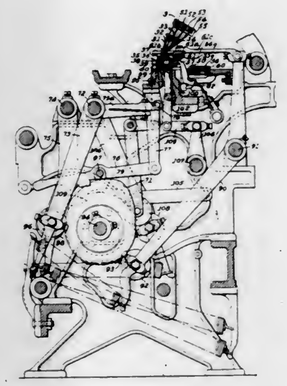
1. In a vehicular brake, a drum, a shoe mounted in close proximity thereto, adjusting means operatively connected to said shoe, a portion of said adjusting means being movable with said shoe upon the occurrence of wear, means connected to said shoe for moving it toward said drum, a second portion of said adjusting means being wedge shaped and constructed to positively hold said first portion in an advanced position, thermally controlled means associated with said adjusting means and arranged to arrest its motion whereby adjustment is interrupted during periods of substantial drum expansion due to temperature rise.

2,345,063
MIXING APPARATUS, ESPECIALLY ADAPTED FOR MIXING PULVERIZED MATERIALS
Johannes Ewardus Nauta, Overveen, Netherlands; vested in the Alien Property Custodian
Application October 31, 1940, Serial No. 363,778
In the Netherlands November 13, 1939
6 Claims. (Cl. 259—40)

1. In an apparatus for mixing and discharging pulverized and substantially dry materials, such as flour, a stationary mixing receptacle formed with an outlet at the lower end, a shaft extending longitudinally of the receptacle, the lower end of the shaft being supported for rotation in the axial line of the receptacle, the upper end of the shaft being supported for rotation at a point wholly outside the axial line of the receptacle, a helicoid conveyor blade fixed on the shaft and arranged to convey the pulverized material upwardly in the receptacle in the rotation of the shaft, driving means to rotate the shaft on its own axis, and an independent means to revolve the shaft on the axis of the receptacle.



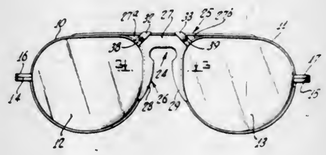
2,345,064
FLAT KNITTING MACHINE
Max Nebel, Chemnitz, Germany; vested in the Alien Property Custodian
Application November 13, 1941, Serial No. 418,869
In Germany August 10, 1937
10 Claims. (Cl. 66—91)



1. In a flat knitting machine, a needle bar, frame needles firmly arranged in said bar, thread guides for supplying ground thread and plush thread to the needles, jack sinkers having a throat for the ground thread and, above and in front thereof, a throat for the plush thread for sinking the plush thread and forming loops therefrom that are longer than the ordinary loops from the ground thread, dividing sinkers whose upper edge lies below the throat of the jack sinkers and each of which has a throat for the ground thread for dividing the ground thread in forward direction and a nib located above said throat for the ground thread, presser tools that

are horizontally movable to and fro and means for moving said parts, said thread guide for the ground thread terminating just above the upper edge of the dividing sinkers and said guide for supplying plush thread terminating just below the upper edge of the jack sinkers, said ground thread guide moving toward the sinker concerned with normal lead and said plush thread guide with less lead, said needle bar moving without horizontal pressing motion but otherwise performing its normal motion, particularly in upward and downward direction, said jack sinkers carrying out the normal forward motion for the sinking operation, said dividing sinkers retarding the dividing operation and beginning with it only when the plush thread is engaged by the needle hooks which thread, by the downward motion of said needle bar, is divided by the needles on the upper edge of the dividing sinkers while said presser tools horizontally move up to the needles and close the hooks thereof, whereupon after completion of the pressing operation and of the downward dividing of the plush thread the return motion of the jack and dividing sinkers begins and the loops formed from the ground and plush threads are released for the knocking over operation.

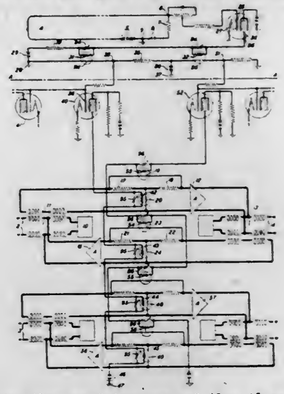
2,345,065
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application August 12, 1941, Serial No. 406,459
7 Claims. (Cl. 88—41)



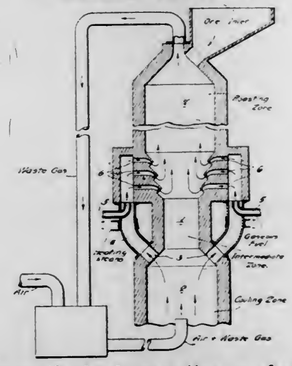
1. In eyeglass frame construction, in combination, a pair of metallic rims, a flat metallic bridge member connected to the top portions of said rims, said rims curving downwardly and inwardly from the innermost points of connection of said metallic bridge member to said rims forming a pair of pockets with said metallic bridge member, and a non-metallic bridge member positioned below said metallic bridge member, said non-metallic bridge member having a pair of grooves formed in the outer edges thereof adapted to receive the inner edges of said rims and having sections extending outwardly from the upper portion thereof into the pockets between said rims and said metallic bridge member.

2,345,066
GAIN CONTROL SYSTEM
Harry W. Nylund, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1942, Serial No. 446,484
10 Claims. (Cl. 178—44)

1. In combination, a plurality of circuits each including an individual thermistor of an indirectly heated type, a heating circuit in which are connected electrically in series heaters for each of the thermistors and means for adjusting the characteristics of the thermistors to impart substantially identical response characteristics to each whereby current of given magnitude in the heating circuit will give rise to substantially equal changes in the resistances of the thermistors of the plurality of circuits.



2,345,067
METHOD OF AND APPARATUS FOR OPERATING SHAFT FURNACES FOR ROASTING AND THE LIKE
Bernhard Osann, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian
Application August 14, 1940, Serial No. 352,513
In Germany August 17, 1939
7 Claims. (Cl. 75—7)

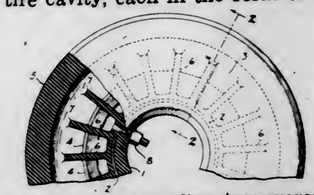


1. The method of operating a shaft furnace having an upper roasting zone and a lower cooling zone subsequently traversed by the material to be treated in counterflow to the furnace gases, which comprises supplying into the furnace near the roasting zone a current of firing gas, supplying a current of air from below the cooling zone, withdrawing gas from the furnace at a place between the cooling zone and the roasting zone, admixing the withdrawn gas to said firing gas and reintroducing it together with said firing gas into the roasting zone.

2,345,068
VEHICLE TIRE
Paul O. Pfeiffer, Akron, Ohio, assignor to General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application August 29, 1940, Serial No. 354,640. Divided and this application August 22, 1941, Serial No. 407,873
11 Claims. (Cl. 152—165)

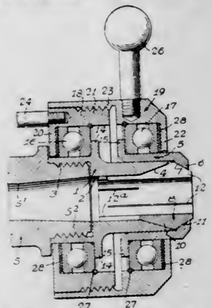
1. A rubber tire in the form of a circumferentially continuous unspliced tube which has a rela-

tively stiff interior base wall, a thickened exterior tread wall and flexible side walls, a valve stem attached to the tire through which air may be introduced into the tire to inflate the same, and a series of load supporting tension members within the tire cavity, each in the form of a flexible



elastic rubber web extending transversely across the tire cavity and spaced inwardly from the tread wall, each web being disposed in a plane intersecting the tread and base of the tire and having opposite edge portions integrally joined to the opposite side walls of the tire.

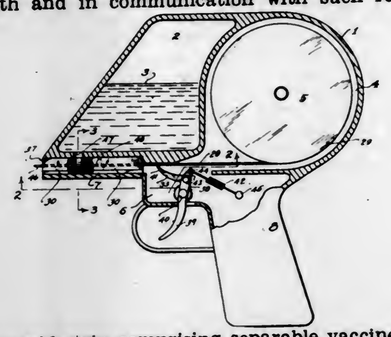
2,345,069
COLLET CHUCK
Ellsworth B. Phillips, Los Angeles, Calif.
Application May 15, 1942, Serial No. 443,118
6 Claims. (Cl. 279—52)



1. A collet chuck comprising: a collet mandrel adapted to mount on and extend from a rotatable element of a machine tool, said collet mandrel having a tapered bore diverging toward its extended end; a collet including segmental tapered portions fitting said bore and yieldable means connecting and tending to spread said segmental portions; a collet constrictor rotatably and telescopically mounted on said collet mandrel and overhanging the outer end of said bore to bear against the outer or larger end of said collet and urge the collet into said bore; a pair of complementary shell members including coacting means for moving said shell members axially with respect to each other upon relative rotation of said shell members; antifriction bearings mounting said shell members upon said collet mandrel and constrictor respectively, said shell members operable through said bearings and collet constrictor to urge said collet into said bore to thereby constrict said collet segments; and means for restraining said shell members against rotation under urge of said rotatable element.

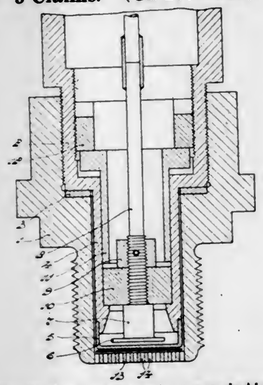
2,345,070
VACCINE INJECTOR
Edward Powell, Portland, Oreg.
Application November 3, 1942, Serial No. 464,360
9 Claims. (Cl. 128—215)

1. A vaccine applicator, including a casing having a vaccine reservoir, an applicator strip, and means for feeding the applicator strip beneath and in communication with such reser-



voir, said strip comprising separable vaccine receiving penetrating points.

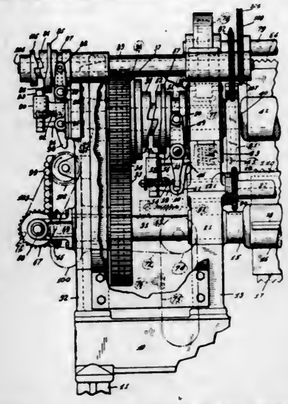
2,345,071
PRESSURE OBSERVER
Maximilien Felix Reynst, Herre Rinia, Willem Hendrik Stigter, and Cornelis Dorsman, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application February 26, 1941, Serial No. 380,745
In the Netherlands January 13, 1940
5 Claims. (Cl. 177—351)



1. A device for measuring variations in pressure of a fluid within a container, comprising a housing provided with a bore exposed to the fluid, means comprising a portion of said housing to secure the same to the container, and a pressure-actuated mechanism comprising a casing positioned within and spaced from the surface of said bore adjacent to said securing means and a pressure-actuated diaphragm member closing one end of said casing and adapted to be acted upon by the fluid, said casing being secured to said housing at a portion remote from said diaphragm and outside the vicinity of said securing means to thereby preclude distortion of said diaphragm by stresses applied to the securing means of the housing and of the casing.

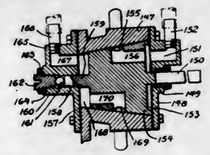
2,345,072
CUTOFF MACHINE TRIPPING MECHANISM
John R. Rosenleaf and Emmett D. Benham, Enterprise, Kans., assignors to The J. B. Ehrsam & Sons Manufacturing Company, Enterprise, Kans., a corporation of Kansas
Application September 2, 1941, Serial No. 409,214
21 Claims. (Cl. 164—66)

1. A cut-off machine comprising a pair of knife-carrying rotors, a plurality of knives carried by one of said rotors, a single knife carried by the other of said rotors, and means for driving



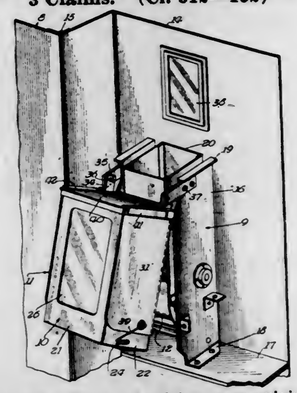
said rotors, including means for selectively disconnecting said last-named rotor from said driving means and reconnecting the same in timed relation to cause said single blade to cooperate with any one of said plurality of blades.

2,345,073
APPARATUS FOR OPERATING THERAPEUTIC DEVICES
Walter Rosett, Forest Hills, N. Y., assignor of one-third to Blanche B. Rosett, New York, N. Y., and one-third to Arthur Rosett, New Orleans, La.
Application April 10, 1942, Serial No. 438,380
3 Claims. (Cl. 251—104)



1. In a distributing valve, a body having a tapered bore formed therein, a plurality of ports circumferentially disposed in said body and communicating with said bore, all said ports lying in a plane at right angles to the axis of said bore, a rotor for said body forming a working fit in said bore and having a distributing port whose circumferential length is equal to the circumferential distance from the center of one of said ports to the adjacent edge of the next adjacent port, means connecting said distributing port to a source of pressure, a second distributing port lying in the plane of said first distributing port and having its extremities circumferentially spaced apart from said first distributing port distances substantially equal to the length of said first distributing port, means connecting said second distributing port to a source of sub-atmospheric pressure, means to rotate said rotor whereby the pressure delivered to one of said ports is cut off after a succeeding port begins receiving pressure, an end plate secured to one end of said body and having a drive shaft for said rotor passing therethrough, a stuffing box engaging said drive shaft, a second end plate secured to the other end of said body and having a stub shaft extension of said rotor journaled therein, a threaded passage communicating with the end of said stub shaft, a set screw in said threaded hole and adapted to engage said stub shaft to regulate the depth of engagement of said rotor in said tapered bore, sealing means engaging said end plate and said set screw, and a lock nut for locking said set screw in an adjusted position and at the same time sealing said set screw against the leakage of fluid pressure.

2,345,074
DISPENSING MACHINE
Edgar Haskell Sargent and Anastasius Garrick Alex, Evanston, Ill.
Application April 23, 1941, Serial No. 389,852
3 Claims. (Cl. 312—152)

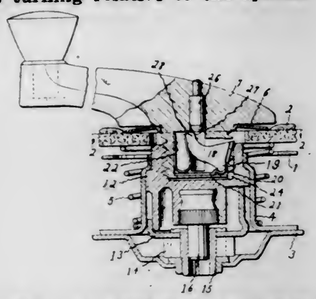


1. In a dispensing machine comprising a door-equipped housing and a discharge chute disposed in the housing and communicating with the housing interior, the combination of a vertically elongated box-like holder disposed in the housing and consisting of a back, a pair of sides connected to, and extending forwards from, the side margins of the back, and a flat rectangular bottom frame extending inwards from the lower edges of the back and sides and having an upstanding marginal flange with the back and side portions thereof fitting against, and fixedly secured to, the lower margins of the back and sides, the front of the holder being open and the lower portion of the holder being pivotally mounted so that upon opening of the door the holder is adapted to swing back and forth between a normal operative position wherein it is above, and vertically aligned with, the chute and a charging position wherein it hangs downwards in an inverted position, and a box for the articles to be dispensed provided with an opening in the top thereof and adapted when the holder is in its charging position to be inserted into the holder via the open front in such manner that the top thereof abuts against the frame of the holder and further adapted upon swinging of the holder into its normal operative position to assume an inverted position over the chute.

2,345,075
HANDLE ASSEMBLY
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 16, 1942, Serial No. 434,930
4 Claims. (Cl. 287—53)

1. A handle assembly comprising a handle, a rotatable spindle, cooperating means on said spindle and handle whereby the handle is secured to the spindle by rotating the handle relative to the spindle, a diametrically extending recess in the handle, a spring pressed dog mounted

in the recess, a plurality of circumferentially spaced recesses in the spindle one of which is adapted to interengage the dog to lock the handle against turning relative to the spindle whereby



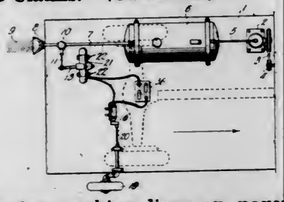
the spindle can be rotated by turning said handle in either direction, and a plunger carried by the handle engageable with the dog for retracting the dog preparatory to disconnecting the handle from the spindle.

2,345,076

APPARATUS FOR MARKING PAVEMENTS AND THE LIKE

Audley V. Spencer, Jefferson City, Mo.

Application March 22, 1941, Serial No. 384,684
5 Claims. (Cl. 91—12)



1. A device for marking lines on pavements, including in combination a vehicle adapted to be moved along the pavement to be marked, a supply of paint, means for spraying paint upon the pavement to be marked, a valve for controlling the supply of paint to said spraying means, a lever for controlling said valve, an armature connected to said lever, a pair of electromagnets for alternately actuating said armature, a beyond-dead-center spring for holding said lever in valve opening and valve closing position, a source of potential, electrical circuits for alternately energizing said electromagnets, said electrical circuits including a rotary controller and an adjustable brush, means for rotating said controller as a function of the movement of said vehicle, and means for adjusting said brush.

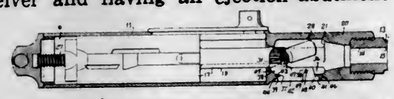
2,345,077

CARTRIDGE-EJECTING MEANS FOR FIREARMS

Carl G. Swebilius, Hamden, Conn., assignor to The High Standard Manufacturing Corporation, New Haven, Conn., a corporation of Connecticut

Original application October 15, 1940, Serial No. 361,208. Divided and this application October 31, 1941, Serial No. 417,250
1 Claim. (Cl. 42—25)

A self-loading repeating firearm including in combination: a reciprocating breech-bolt; an extractor carried by the said breech-bolt; a receiver having a mechanism-receiving chamber therein in which the said breech-bolt reciprocates and having a magazine-receiving passage leading downwardly from its said chamber, the said receiver having a downwardly-facing shoulder located in its said chamber in position to overlie the upper end of the said magazine-receiving passage, the said receiver also having a slot in its side wall in substantial registry with the downwardly facing shoulder and extending between the mechanism-receiving chamber therein outwardly to its outer face; a plate-like ejector installed in the slot in the side wall of the said receiver and having an ejection-abutment ex-



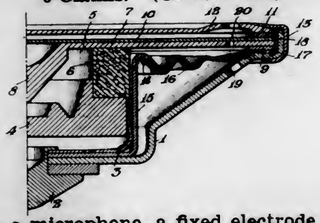
tending into the mechanism-receiving chamber of the said receiver in position to be engaged by a cartridge as the same is moved rearwardly by the extractor carried by the said breech-bolt, the said ejector being formed with a substantially-vertical detent-receiving recess; and a substantially-vertical spring-pressed plunger mounted in the portion of the said receiver located above the shoulder therein and having a lower portion entering the recess in the said ejector to releasably hold the same in place in the slot in the said receiver and in position to be retired by an instrument inserted upwardly into engagement with it through the magazine-receiving opening in the receiver.

2,345,078

CARBON MICROPHONE

Albert Ueberschuss, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian

Application March 24, 1941, Serial No. 384,829
In Germany February 20, 1940
6 Claims. (Cl. 179—122)



1. In a microphone, a fixed electrode, a movable electrode, a diaphragm secured to said movable electrode for operating the same, a protective casing for said parts comprising a protective diaphragm in front of said operating diaphragm and a flexible pressure compensating diaphragm in the rear thereof, said compensating diaphragm having a peripheral portion which extends past the edge of said operating diaphragm and is sealed to the edge of said protective diaphragm, and an outer casing surrounding said protective casing.

2,345,079

PROCESS FOR THE PRODUCTION OF ACONITIC ACID

Emil K. Ventre, Herbert C. Henry, and Fred L. Gayle, Baton Rouge, La., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application October 10, 1942, Serial No. 461,638
3 Claims. (Cl. 260—537)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

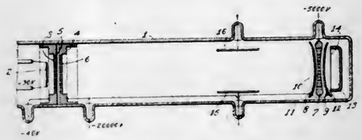
1. The process of extracting aconitic acid from its alkaline earth salts comprising treating the alkaline earth aconitates with an excess of dilute sulfuric acid to form calcium sulfate as a precipitate in a solution containing aconitic acid and some free sulfuric acid, filtering to remove the calcium sulfate, evaporating the filtrate to a concentration in excess of 17° Bé. at 28° C. and to such degree that it contains about 0.5–1.5 percent free sulfuric acid, and then extracting the aconitic acid from the concentrate by a crystallization process.

2,345,080

ARRANGEMENT FOR PRODUCING FILTERS

Manfred von Ardenne, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian

Application March 24, 1941, Serial No. 385,034
In Germany February 19, 1940
7 Claims. (Cl. 164—85)



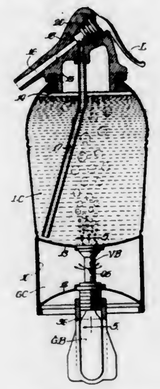
1. An arrangement for producing filters, whereby fine perforations are made in a foil by means of ion rays, comprising a source of ions, an electrostatic multiple lens for forming a plurality of overlapping ion beams, and a second electrostatic multiple lens arranged to produce a plurality of ion beams from each of said first mentioned beams and project them on the foil to be perforated.

2,345,081

SIPHON CONSTRUCTION

Lawrence T. Ward, Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application July 29, 1940, Serial No. 348,239
7 Claims. (Cl. 225—18)



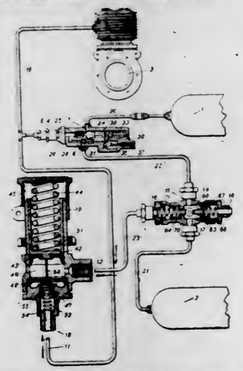
4. A siphon vase construction comprising a vase, a liquid chamber and a gas chamber therein, means for introducing gas to said gas chamber and to said liquid chamber comprising a valve body member extending completely through said gas chamber and serving as a tie means for the upper and lower walls thereof, said valve body member having a piercing pin and being threaded for engagement with a bulb holder operable to connect a bulb in gas-tight relation to said piercing pin and to effect piercing of the bulb by said pin, said valve body member including a passageway therethrough with a pair of check valves in said passageway both opening away from said bulb and toward said liquid chamber, said valve body member having an opening intermediate said check valves communicating with said gas chamber.

2,345,082

PLANT FOR DISTRIBUTING AIR UNDER PRESSURE AND IN CONSTITUTING PARTS THEREOF

Charles Raymond Waseige, Rueil-Malmaison, France; vested in the Alien Property Custodian

Application March 6, 1941, Serial No. 382,106
In France March 6, 1940
4 Claims. (Cl. 230—2)



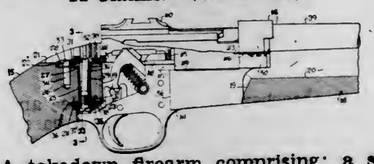
1. A compressed gas distributing plant, more particularly for use on board aircraft, comprising at least one gas compressor, at least two gas circuits adapted to be supplied by said compressor at substantially different pressures and called high pressure circuit and low pressure circuit, a high pressure reservoir and an unloader system in said high pressure circuit, said unloader system being mounted between said compressor and said reservoir and provided with an outlet passage, said system being arranged to automatically connect the delivery of the compressor and said passage in response to the pressure in said reservoir reaching a predetermined value, and connecting means between said outlet opening and the low pressure circuit.

2,345,083

TAKEDOWN FIREARM

David M. Williams, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware

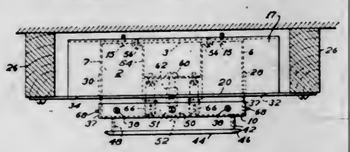
Application January 21, 1943, Serial No. 473,111
11 Claims. (Cl. 42—75)



1. A takedown firearm comprising: a stock-unit formed with a vertical passage and provided with recoil-abutment means; a substantially-vertical flexible tensioning-member mounted in the said stock-unit adjacent the said vertical passage therein, one portion of the said flexible ten-

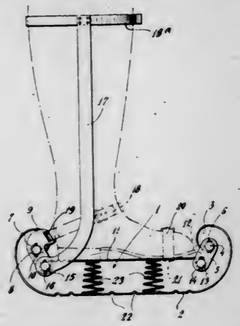
sioning-member being anchored in the said stock-unit and another portion thereof being yielding in a direction forwardly of the said stock-unit; and a barrel-unit having recoil-abutment means engaging with the recoil-abutment means of the said stock-unit and fitting within the passage in the said stock-unit, the said barrel-unit having a forwardly-facing coupling-abutment engaging with the forwardly-yielding portion of the said flexible tensioning-member to flex the same forwardly when the recoil-abutment means of the said barrel-unit is engaged with the recoil-abutment means of the said stock-unit.

2,345,084
METER MOUNTING
Arthur A. Young, Manchester, N. H., assignor to Anchor Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application March 24, 1941, Serial No. 384,928
7 Claims. (Cl. 175—224)



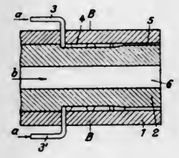
1. In a mounting for a meter of the detachable type, a receptacle including a cover having an opening surrounded by a projecting ring member, a meter supporting socket proportioned to fit removably within said ring member in frictional engagement therewith and including a diametrically disposed bridge member, and means accessible through the opening in said cover for releasably securing said bridge member to said receptacle.

2,345,085
SHOCK ABSORBER FOR PARACHUTE JUMPERS
Joseph Albert, Brooklyn, and Arthur Ginsburg, New York, N. Y.
Application May 16, 1942, Serial No. 443,194
1 Claim. (Cl. 267—1)



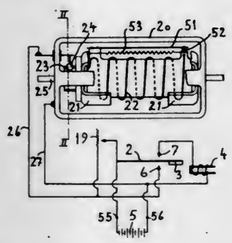
A shock absorber for use on each leg and shoe of a parachute jumper; comprising a base spring rolled front and rear over steel bars; an upper plate rolled at each end over steel bars front and rear; a vertical shaft on each side attached to said upper plate; face plates front and rear connecting the adjacent bars and held in place by means of cotter pins inserted through the holes at the ends of the bars; cushioned springs inserted between said upper plate and said base spring: a circular steel spring attached to said vertical shafts; said base plate having corrugated grooves at the bottom; and straps on the front and rear of the shock absorber for attachment to the shoe.

2,345,086
APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL SAUSAGE SKINS
Oskar Walter Becker, Heidelberg, and Emil Braun, Weinheim, Baden, Germany; vested in the Alien Property Custodian
Application May 9, 1938, Serial No. 206,948
In Germany January 11, 1936
3 Claims. (Cl. 18—14)



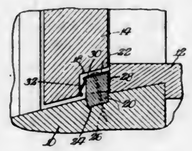
1. An apparatus for the production of artificial sausage casings from a swollen fibrous mass comprising a stationary tubular housing, a stationary core located within said housing and forming therewith an annular space, means for feeding said fibrous mass to the said annular space, means for subjecting said fibrous mass to such a pressure within the annular space that the mass is in a partially de-swollen state and means for positioning the fibers of said mass during their passage through said annular space, said means comprising stationary directing elements located on the walls of said annular space and extending in different directions.

2,345,087
MOTOR FOR SOUND RECORDING APPARATUS
Palle-Finn Beer and Peter Vilhelm Ingefrid Pedersen Anneberg, Copenhagen, Denmark; vested in the Alien Property Custodian
Application September 11, 1939, Serial No. 294,402
In Denmark September 12, 1938
2 Claims. (Cl. 172—239)



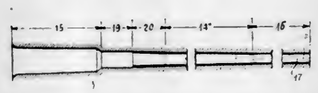
1. A constant speed drive mechanism comprising an electric motor of the impulse driven type having a rotary armature coil, a commutator connected to said coil, a source of direct current, and an electromagnetic vibrator driven from said source and connected between said source and motor whereby impulses of constant frequency are supplied to said coil through said commutator.

2,345,088
WEATHER SEAL CONSTRUCTION
Forrest F. Bell, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application April 9, 1941, Serial No. 387,598
6 Claims. (Cl. 20—69)



5. In a window having a sill, a sliding sash, and a stool, a sealing construction consisting of supporting means mounted on the sill adjacent the stool, and a spring metal leaf attached to said supporting means and extending outwardly and downwardly therefrom and from the stool at such an angle as to shed water, the sash having a rabbet cut in the lower edge thereof, and the spring metal leaf being resiliently engageable with the side of said rabbet, and the space between said leaf and said supporting means forming a downwardly opening cul-de-sac catching foreign matter which may work in from the outside between said sash and the sill.

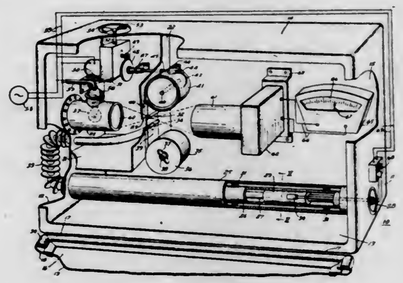
2,345,089
GUN BARREL
Woldemar Born, Stuttgart, Germany; vested in the Alien Property Custodian
Original application March 21, 1939, Serial No. 263,256. Divided and this application January 4, 1941, Serial No. 373,181. In Germany September 28, 1935
3 Claims. (Cl. 42—76)



1. In a firearm, for co-operation with a projectile that is adapted to be deformed from a larger initial calibre to a substantially smaller calibre during ejection, a barrel having a cylindrical muzzle end portion, a conical portion located immediately in front of the bullet space and having a relatively high taper, and an intermediate conical portion connecting said two first named portions, said last named portion having a relatively low taper, said muzzle portion being rifled and the lands of said rifling extending into and being tapering off in said intermediate conical portion, and the remainder of said intermediate conical portion being smooth.

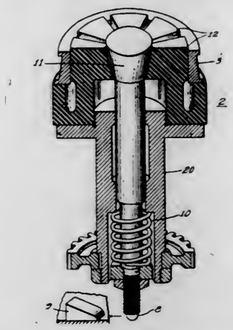
2,345,090
MERCURY DETECTING METHOD AND APPARATUS
Porter H. Brace, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 10, 1940, Serial No. 328,940
6 Claims. (Cl. 23—232)

5. The method of detecting both free mercury vapor and mercury compounds in air which comprises passing the air through a porous lime material at elevated temperatures of the order of 500° C. so as to convert substantially all of the



mercury compounds to free mercury vapor, and then determining the proportion of mercury vapor in the air.

2,345,091
ELECTROMAGNETIC TESTING MACHINE CHUCK
Porter H. Brace and Clifton S. Williams, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 3, 1941, Serial No. 391,646
2 Claims. (Cl. 279—2)

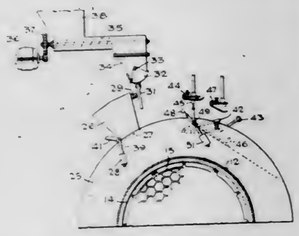


1. A rotary chuck for accommodating a magnetizable specimen in an electromagnetic testing machine, comprising in combination, a rotatable spindle, a chuck body of elastically deformable, electrically insulating, non-magnetic material having a base portion firmly mounted on said spindle and resiliently movable jaws integral with said portion for clamping the specimen to be tested, and an actuating member for moving said jaws relative to said portion in order to engage and disengage the specimen, said jaws having clamping surfaces spaced from said spindle and actuating member, and said chuck body being arranged so as to separate the specimen electrically and magnetically from said spindle and member.

2,345,092
AUTOMATIC LEVEL CONTROLLING MECHANISM
Harold R. Breslau, Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland
Application October 29, 1940, Serial No. 363,340
10 Claims. (Cl. 263—32)

1. In combination, a rotary kiln having a feed

chamber disposed at the inlet end of the kiln and rotatable with it, said chamber being adapted, when filled to a predetermined level with material to be treated, to preheat that material by heat exchange with the hot gases flowing from the firing zone of the kiln, and arranged to discharge preheated material into the kiln; a source of material to be fired; a storage reservoir for said material, said reservoir being disposed adja-



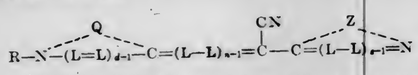
cent the inlet end of the kiln; means carried by the kiln for causing periodic delivery of charges of material from said reservoir into said feed chamber during the rotation of the kiln; and automatic means controlled by the level of material in the feed chamber for controlling the delivery of material from said source to said reservoir to keep said reservoir filled when the material in said feed chamber is below a predetermined level.

2,345,093
DYE INTERMEDIATE
Leslie G. S. Brooker and William Waldo Williams, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 21, 1940, Serial No. 353,501
14 Claims. (Cl. 260—306)

1. A process for preparing a benzothiazolium aryl quaternary salt comprising treating a N-aryl-2-thiobenzothiazolone with an alkyl-p-toluenesulfonate.

2,345,094
ORGANIC CYANINE BASE
Leslie G. S. Brooker and Robert H. Sprague, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application April 18, 1941, Serial No. 389,224. Divided and this application January 26, 1942, Serial No. 428,212
12 Claims. (Cl. 260—240)

1. A process for preparing a cyanine base comprising hydrolyzing, in the presence of an acid hydrolysis catalyst, a cyano base of the following general formula:



wherein *d* and *e* each represents a positive integer of from 1 to 2, *n* represents a positive integer of from 1 to 4, L represents a methine group, R represents an organic radical selected from the group consisting of alkyl and aryl groups, and Q and Z each represents the non-metallic atoms necessary to complete a heterocyclic organic nucleus.

2,345,095
ALKYLATION OF HYDROCARBONS
Frank H. Bruner, Beacon, Louis A. Clarke, Fishkill, and Richard L. Sawyer, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 4, 1939, Serial No. 271,746
12 Claims. (Cl. 260—683.4)

11. The method which comprises reacting an isoparaffin with an olefin in the presence of a liquid catalyst composed of water sufficiently saturated with boron trifluoride such that alkylation of the isoparaffin with the olefin is the principal reaction of the process.

2,345,096
CATALYTIC CONVERSION OF HYDROCARBONS
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 29, 1941, Serial No. 390,960
13 Claims. (Cl. 260—668)

1. A process of raising the aromatic content of hydrocarbons, which comprises maintaining at about 750–1200° F. a gel type catalyst containing 1–10 mol per cent of copper oxide and 81–60 mol per cent of aluminum oxide coprecipitated with 18–30 mol per cent of chromium oxide, and contacting a vaporized naphtha with such catalyst while supplying a butane hydrocarbon and hydrogen in mol ratio of 1–10 and 0.1–10 respectively to 1 of the naphtha, and maintaining superatmospheric pressure.

2,345,097
PROCESS FOR TREATING FATTY OILS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application December 11, 1940, Serial No. 369,552
13 Claims. (Cl. 167—81)

1. A process for treating fatty oils to recover valuable constituents therefrom, which comprises contacting a fatty oil at a temperature above room temperature with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 1 to 6 carbon atoms, esters of aliphatic and alicyclic monohydroxy alcohols containing from 1 to 6 carbon atoms with aliphatic monocarboxylic acids, said esters containing from 2 to 8 carbon atoms, aliphatic and alicyclic aldehydes containing from 3 to 6 carbon atoms and aliphatic ketones containing from 3 to 6 carbon atoms, cooling the mass to form two layers, separating the solvent layer from the oil layer and subjecting the oil layer to distillation at a pressure below 0.1 mm. to recover valuable constituents therefrom.

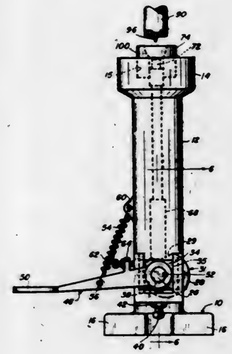
2,345,098
PROCESS OF SAPONIFYING VITAMIN-CONTAINING FATTY MATERIAL
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 26, 1941, Serial No. 404,156
11 Claims. (Cl. 167—81)

1. In a process of saponifying a fat-soluble vitamin-containing fatty material, the improvement which comprises saponifying the fatty material in the presence of a fixative material selected from the group consisting of sugars, sugar derivatives and edible gums.

2,345,099
PROCESS FOR TREATING FISH LIVERS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 26, 1941, Serial No. 404,157
8 Claims. (Cl. 260—412.1)

1. In a process of removing oil from raw fish livers, the step which comprises conjointly treating the livers with a mixture of an organic solvent for the oil and a water-miscible lower aliphatic acid.

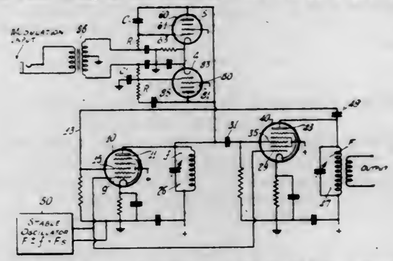
2,345,100
DRILL BIT SHARPENING MECHANISM
Earl I. Cotton, Lucerne, Wash.
Application March 16, 1943, Serial No. 479,322
4 Claims. (Cl. 76—5)



1. In a drill bit reshaping mechanism in which a bit is pressed into a female die and a member is pressed against the bit to extrude it from the die following the shaping operation, means for supporting and moving said member comprising: a shaft journaled for rotation laterally of the axis of the bit to be pressed, means for rotating said shaft on occasion, a cam on said shaft on the axis of said bit to be pressed and a cam follower bar between said cam and the boss, said cam having a cupped face adapted to receive an end of said cam follower bar in a manner to transfer force applied thereto directly to the rotatable shaft and its journals.

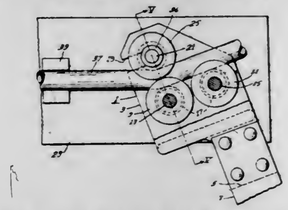
2,345,101
FREQUENCY MODULATOR
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 27, 1942, Serial No. 436,437
9 Claims. (Cl. 179—171.5)

2. In a wave generator system, a source of oscillations of constant frequency, a first means for heterodyning and converting currents, a second means for heterodyning and converting currents, coupled to the output of said first means and to said source of oscillations, a coupling between the output of said second means and the



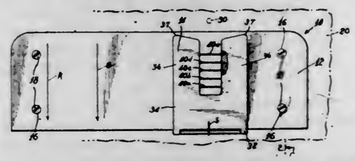
input of said first means and a coupling between said source and the input of said first means so that self-sustained oscillations are produced.

2,345,102
PIPE BENDING TOOL
Winfred O. Dick, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 8, 1942, Serial No. 450,107
2 Claims. (Cl. 153—45)



1. A tool for bending tubular members comprising, in combination, a base, a vertically arranged post secured to said base, a forming roller rotatably and slidably mounted about said vertically arranged post, clamping means secured to said base for positioning a tubular member tangential to said forming roller, a bending arm having a forked extremity, a supporting roller and a bending roller rotatably mounted within the fork, a slot in each of the extremities of the fork and means engageable within the slots and with said post for locking said bending arm to said post for angular movement thereabout and operatively positioning said supporting and bending rollers with respect to said forming roller, whereby said rollers are disposed to bend a tubular member about said forming roller upon angular movement of the bending arm.

2,345,103
GAUGE
Sylvia Dietz, South Norwalk, Conn.
Application November 26, 1942, Serial No. 467,027
5 Claims. (Cl. 112—136)



1. A gauge comprising an elongated bed plate and a wing member secured to the bed plate for pivotal movement over against the bed plate and

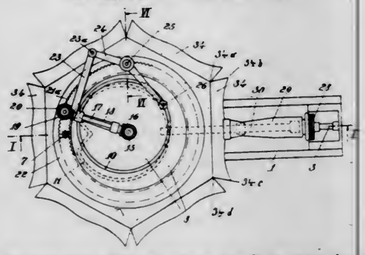
up and away therefrom, the wing member having a pair of spaced legs, and a plurality of guide members laterally spaced along the length of said legs extending across the space therebetween.

2,345,104

APPARATUS FOR MOVING TOOL MEANS IN AN IRREGULAR PATH

Walter Hugo Dittrich, Burgstadt, Germany; vested in the Alien Property Custodian

Application April 22, 1940, Serial No. 331,044
In Germany May 5, 1939
6 Claims. (Cl. 112—2)



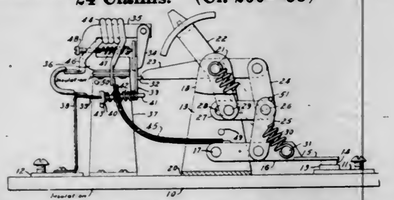
1. Apparatus for moving tool means in an irregular path relative to an element to be operated on by the tool means comprising, a frame, a control member rotatably mounted on said frame, means driving said control member to rotate the same, cams carried by said control member, tool means mounted on the frame for movements radially of said control member, an annular member for supporting an element to be operated on by said tool means surrounding said control body and rotatable on said frame, gear teeth carried by said annular member, a pinion driven by the driving means meshing with said gear teeth, means moved by one of said cams for moving said pinion circumferentially of said annular member, and means moved by the other cam for moving the tool means radially of said annular member.

2,345,105

CIRCUIT BREAKER

Hiller D. Dorfman, Forest Hills, and Lloyd W. Dyer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 9, 1941, Serial No. 392,664
24 Claims. (Cl. 200—88)



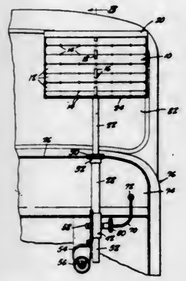
1. In a circuit breaker, the combination of relatively movable contacts, releasable operating mechanism to open the contacts automatically, a latch operable to release the operating mechanism, a trip device having one member of a toggle operatively associated therewith, and a thermally responsive element acting conjointly with the toggle member to form a somplete toggle, the thermally responsive element acting in response to predetermined circuit conditions to operate the toggle and effect release of the operating mechanism.

2,345,106

AUTOMOTIVE VEHICLE GLARE SHIELD

Fritz H. Erps, Silver Cliff, Colo.

Application October 16, 1942, Serial No. 462,303
6 Claims. (Cl. 296—97)



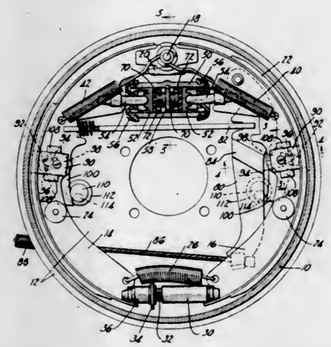
1. In an automotive vehicle, the combination of a support, a first vertical tube secured to said support, a second tube slidable in said first tube, a rod slidable in said second tube, a foldable glare shield secured to the upper end of said rod and to the upper end of the second tube, a flexible member attached to said rod and movable through said first and second tubes to shift the second tube and the rod to extended positions with respect to the first tube and with respect to each other to unfold the shield and to fold the shield upon nesting the second tube and the rod inside the first tube, a circular housing for coiling said flexible member upon retraction of said rod and second tube, and rotary means engaging said flexible member to impart movement thereto.

2,345,107

BRAKE

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 24, 1939, Serial No. 305,844
3 Claims. (Cl. 188—152)



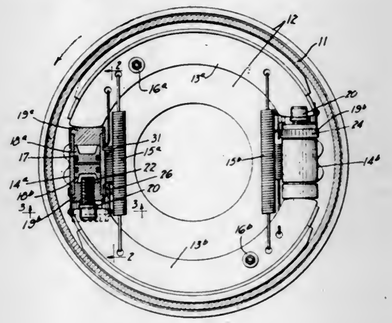
1. A brake comprising a drum, primary and secondary shoes, an anchor between the shoes at one side of the drum, articulating means connecting the shoes at the other side of the drum, an adjustable stop associated with each shoe and having a part engaging the drum when the brake is applied and which sets the stop to compensate for wear of the shoe, a strong spring yieldingly holding the secondary shoe against the anchor in a position determined by its stop, a weaker spring urging the primary shoe toward the anchor into a position determined by its stop, and a hydraulic applying device acting on the shoes at their anchored ends and provided with means forming a hydraulic check cushioning the movement of the primary shoe against the anchor in reverse braking, said primary shoe having a part engaging the inner face of the anchor and positioning that end of the primary shoe radially of the drum.

2,345,108

BRAKE

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 9, 1942, Serial No. 438,261
8 Claims. (Cl. 188—79.5)



1. An automatically adjustable brake comprising a rotatable brake drum, a non-rotatable support, a shoe mounted on the support, means for shifting the shoe to apply against the drum, means for adjusting the released position of the shoe to compensate for shoe wear, a ratcheted member for actuating the adjusting means, and a bell-crank lever having a pawl for controlling the ratcheted member and having a bi-metal element urged to move the pawl by motion of the shoe shifting means in a shoe applying direction except when the bi-metal element is heated more than a predetermined amount.

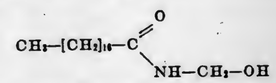
2,345,109

PROCESS FOR MANUFACTURE OF THIOUREA CONDENSATION PRODUCTS

Charles Graenacher, Riehen, Richard Sallmann, Bottmingen, and Otto Albrecht, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application January 19, 1939, Serial No. 251,848. In Switzerland January 22, 1938
8 Claims. (Cl. 260—402.5)

7. Process for the manufacture of condensation products, which comprises condensing thiourea with the formaldehyde derivative of the formula



in the presence of an acid and of a diluent.

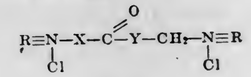
2,345,110

PROCESS FOR IMPROVING FIBROUS MATERIAL AND THE MATERIAL TREATED BY SUCH A PROCESS

Charles Graenacher, Riehen, Richard Sallmann, Bottmingen, Otto Albrecht, Munchenstein, and Jost Frei, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application May 26, 1939, Serial No. 276,026. In Switzerland May 31, 1938
14 Claims. (Cl. 8—116)

1. A process for improving fibrous materials which comprises treating the materials with a product of the formula



wherein

represents the radical of a tertiary amine selected from the group consisting of trimethylamine and pyridine, X represents a bridge selected from the group consisting of —CH_2— and —CH_2CH_2O—, and Y represents a bridge selected from the group consisting of —NH— and —OCH_2—OCH_2—, X representing —CH_2— when Y is —OCH_2OCH_2 and Y representing —NH— when X is —CH_2CH_2O—, drying the thus treated materials and heating them to a temperature of at least 100° C.

2,345,111

PROCESS OF PRODUCING HIGHER POLYENALS

Christoph Grundmann, Dessau, Germany; vested in the Alien Property Custodian

No Drawing. Application October 17, 1940, Serial No. 361,592. In Germany October 20, 1939
4 Claims. (Cl. 260—601)

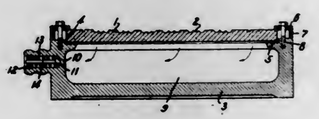
1. A process for producing higher molecular polyenals which comprises condensing acetaldehyde in the presence of a catalyst consisting of 1 to 10%, as compared to the acetaldehyde, of a secondary amine salt of a weak organic acid, at a temperature near the boiling point of acetaldehyde, said secondary amine being selected from the group consisting of secondary aliphatic amines and secondary amines containing a saturated heterocyclic ring.

2,345,112

METHOD OF MOLDING PLASTIC LAYERS

František Gründěl, Napajedla, Bohemia and Moravia; vested in the Alien Property Custodian

Application May 28, 1941, Serial No. 395,688
In Bohemia and Moravia May 11, 1940
6 Claims. (Cl. 18—56)



1. In the manufacture of articles made of plastic material, a method for producing raised patterns on the surface of the articles, comprising the steps of using a form made of porous material and which has the desired pattern provided in the face thereof, applying a layer of plastic

material on the face of a portion only of the form, making impervious to the air the area of the form not covered by the layer and subjecting to the effect of suction the side of the form opposite to that on which the pattern is provided, whereby the layer of plastic material is drawn tightly against the patterned face of the form by the suction and an exact impression of the pattern is left in the plastic layer.

2,345,113

PROCESS OF PRODUCING BUTADIENE

Herbert Guggemos and Alfred Treibs, Munich, Germany; vested in the Alien Property Custodian

No Drawing. Application August 10, 1940, Serial No. 352,072. In Germany August 26, 1939

16 Claims. (Cl. 260—681)

1. A process for the production of butadiene, which comprises heating to a temperature between 550° C. and 650° C. in the vapor phase a diester product of a monocarboxylic acid and a butylene glycol wherein the carbon atoms bearing the hydroxyl groups are separated by a carbon atom free of hydroxyl groups, said diester product containing at most only such quantities of free butylene glycol and butylene glycol monoester that the free hydroxyl groups introduced into the product thereby are only 0% to 4% of the total quantity of free hydroxyl groups and acylated hydroxyl groups in such product.

2,345,114

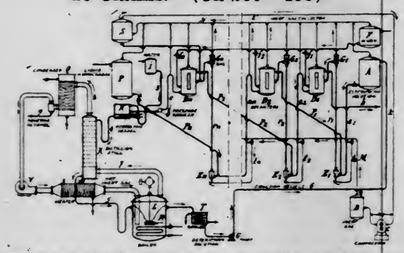
ESTERIFICATION OF OLEFINS

Henri Martin Guinot, Niort, France; vested in the Alien Property Custodian

Application January 8, 1941, Serial No. 373,691

In France January 23, 1940

10 Claims. (Cl. 260—460)



1. In a method for esterifying the olefinic component in a hydrocarbon substance containing saturated and olefinic components by means of an esterifying solution, the steps which comprise admixing said substance in liquid phase with the esterifying solution; contacting the esterifying solution and the hydrocarbon substance with an ascending jet of inert gas under pressure in a confined zone surrounding said gas jet, to produce an upwardly moving emulsion; collecting said emulsion at a higher level than the original contact point of the solution and substance with the gas jet; causing the resulting emulsion to settle into two layers with simultaneous release of inert gas; and separating the layers.

2,345,115

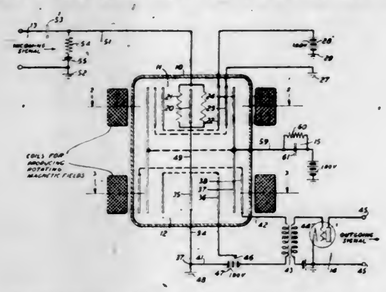
WAVE TRANSMISSION SYSTEM

Nathan I. Hall, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 22, 1941, Serial No. 394,597

14 Claims. (Cl. 178—44)

5. In combination, in electron discharge apparatus, a plurality of discrete targets arranged in a curvilinear path, a network including a capacitor individual to each target, and means to generate and move two double-ended electron beams on a common transverse axis over said targets in the same direction such that one beam



is in advance of the other and such that the longitudinal axes of individual beams and targets are normal to each other to charge successively said individual capacitors to different magnitudes for each 360-degree rotation of said two electron beams.

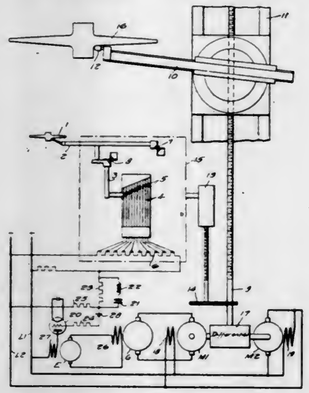
2,345,116

MACHINE TOOL TRACER REGULATOR

Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 24, 1940, Serial No. 347,155

12 Claims. (Cl. 90—13.5)



1. A position regulator comprising a follow-up member, means for driving said follow-up member, a pilot member, means coacting with the pilot member for controlling the means for driving the follow-up member, said coacting means including a resistor having spaced multiple flexible shunt contacts tapped thereon for progressively shunting portions of said resistor, and lever means between said contacts and pilot member for progressively operating said contacts in accordance with the contour of said pilot member, electric circuit means including said resistor, a condenser, and an electric tube which includes a grid, said resistor effecting changes in the potential of said grid in accordance with the successive movements of said pilot member and said condenser effecting changes in the potential of said grid in accordance with the rate of changes of resistance of said resistor so as to accurately control said follow-up member.

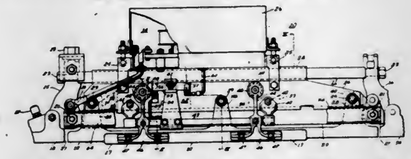
2,345,117

TROLLEY CONDUCTOR DEVICE

Raymond P. Hanna, Wilkinsburg, and Angus G. Scott, Mount Lebanon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 24, 1941, Serial No. 416,342

15 Claims. (Cl. 246—252)



1. A series contact device for use in an overhead trolley conductor system comprising, a body portion having means to secure adjacent ends of a trolley conductor thereto, a substantially rigid metallic runner member supported by the body member in insulated and spaced relation relative to the conductor, circuit means connecting the runner member and conductor, a lateral contact member positioned along one side of the runner member in spaced and insulated relation relative thereto for engagement by a current collector traversing the runner member, and auxiliary contact means operatively connected for operation in response to movement of the contact member and connected in series circuit relation therewith.

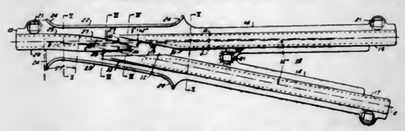
2,345,118

TROLLEY FROG

Raymond P. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 28, 1942, Serial No. 428,515

3 Claims. (Cl. 191—38)



1. The combination in a trolley frog having main and branch runner members inclined at a major angle, of a main runner portion inclined to the branch runner member at an angle less than the major angle substantially coextensive with the branch runner member and having additional material along the base thereof adjacent the end on the side nearer the branch runner member, and an additional main runner portion common to the branch runner member and said main runner portion having an end portion inclined toward the branch runner member.

2,345,119

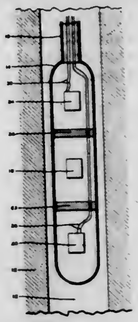
SUBSURFACE PROSPECTING

Donald G. C. Hare, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

Application June 26, 1940, Serial No. 342,423

6 Claims. (Cl. 250—83.6)

1. The method of investigating the formation around a bore hole which comprises lowering through the hole a source of gamma rays and neutrons, detecting the gamma rays scattered in the formation and returned to the hole to determine the density and atomic number of the formations surrounding the hole and simultaneously and separately detecting the neutrons



scattered in the formation and returned to the hole to determine the presence in the formation of substances containing hydrogen.

2,345,120

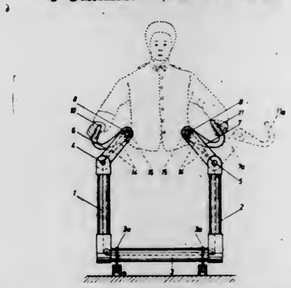
STEERING COLUMN ARRANGEMENT FOR AIRPLANES

Johann Haseloff and Erich Wessel, Dessau, Germany; vested in the Alien Property Custodian

Application October 23, 1940, Serial No. 362,426

In Germany June 13, 1939

6 Claims. (Cl. 74—491)



1. An arrangement of the character described comprising a shaft mounted for rotation, two spaced columns carried thereby for rotation therewith and projecting radially therefrom in the same direction to provide a range of vision between them, an arm pivoted on each column, and a control member rotatably mounted and carried by each arm.

2,345,121

METHOD FOR THE MANUFACTURE OF CONDENSATION PRODUCTS

Winfrid Hentrich, Rodleben, near Dessau-Rosslau, Anhalt, and Alfred Kirstahler, Dessau, Anhalt, Germany; vested in the Alien Property Custodian

No Drawing. Application November 21, 1939, Serial No. 305,458. In Germany November 23, 1938

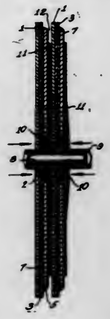
1 Claim. (Cl. 260—556)

A water-soluble capillary active compound, the condensation product of ethylene oxide with an imide of the formula

$$CH_3.SO_2.NH(G)SO_2.C_{18}H_{37}$$

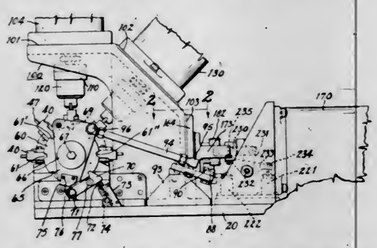
the condensation taking place in the approximate molar ratio of 1:12 and (G) is the residue derived from the 12 mols of ethylene oxide.

2,345,122
DRY RECTIFIER
Heinrich Herrmann, Nuremberg, Germany; vested in the Alien Property Custodian
Application October 23, 1940, Serial No. 362,462
In Germany October 17, 1939
7 Claims. (Cl. 175—366)



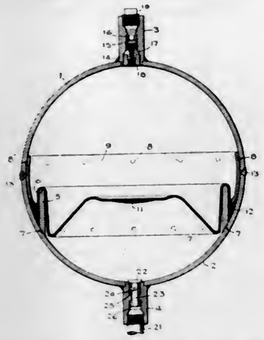
4. A rectifier comprising a base plate, a semi-conductor layer carried by the base plate, a first sprayed metal layer placed over an outer portion of the semi-conductor layer, an insulating layer over the central portion of said semi-conductor layer and extending in a thin coating over said sprayed metal layer, and a second sprayed metal layer over said thin insulating coating and making contact with the first-mentioned sprayed metal layer.

2,345,123
MACHINE FOR MAKING T'S OF METAL TUBING
John Q. Holmes and Basil S. Sample, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 14, 1941, Serial No. 388,396
9 Claims. (Cl. 153—2)



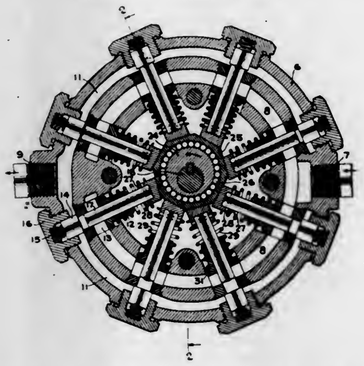
1. A machine for progressively enlarging an opening in the side of a tube comprising, in combination, a conveyor provided with a plurality of workholders each for supporting a tube having an opening previously formed therein, means for intermittently moving the conveyor in order to move the workholders progressively into a plurality of operating stations, devices located respectively at the operating stations for progressively shaping the tube so that the preformed opening becomes a larger circular opening defined by outwardly projecting arcuate flanges, then an elongated opening formed by spreading said arcuate flanges, and finally a still larger circular opening, each of said forming devices including a forming punch, means for actuating said punches toward and away from the tubes and means for rotating the punch at the last operating station while said punch is entered within the tube.

2,345,124
ACCUMULATOR
Matthew W. Huber, Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company, a corporation of New Jersey
Application December 1, 1941, Serial No. 421,219
4 Claims. (Cl. 138—30)



3. A hydraulic accumulator of the type in which the hydraulic liquid reacts against a cushion of trapped compressed gas, comprising in combination, a shell composed of separately formed sections having edge portions which meet substantially on a plane of junction; an annulus mounted within one of said sections, and forming with a portion of said section an annular channel-like seat which is near to but spaced from said junction plane; a flexible diaphragm mounted with its margin in said seat; a second annulus overlying said margin and serving to clamp the same in said seat, said second annulus being connected with at least one of said sections; and a weld at the junction plane serving to connect said sections together.

2,345,125
HIGH PRESSURE PUMP
Matthew W. Huber, Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company, a corporation of New Jersey
Application October 9, 1942, Serial No. 461,465
2 Claims. (Cl. 74—50)



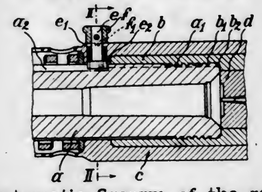
1. In a pump, the combination of a rotary shaft with eccentric; a block swiveled on the eccentric and having a plane thrust face parallel with the axis of the shaft; a cylinder mounted with its axis approximately radial to said shaft but offset from a true radial line in a direction opposed

to the direction of rotation of the shaft; a plunger working in said cylinder, and having a plane thrust surface on its end in contact with the plane face on the block, the plunger thrust surface being at an angle to a plane normal to the plunger axis; and means for maintaining the plunger and block in coactive relation.

2,345,126
MANUFACTURE OF RESINOUS PRODUCTS DERIVED FROM ACRYLIC ACID
Thomas Sefton Ireland, Penketh, Warrington, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 28, 1940, Serial No. 321,352. In Great Britain March 9, 1939
11 Claims. (Cl. 260—83)

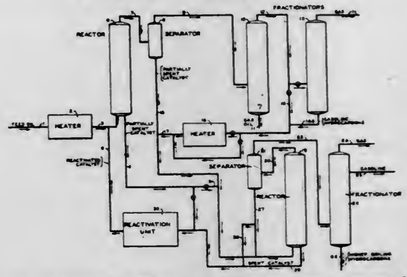
1. Process for the manufacture of polymerised alpha-haloacrylic acid ester compositions which comprising a polymerisable ester of a saturated comprising a polymerisable ester of a saturated alcohol with an alpha-haloacrylic acid substantially free from autoxidation products, a stabilizer for the polymeric alpha-haloacrylic ester consisting of a monomeric compound soluble to the extent of at least 0.1 per cent in the monomeric ester and selected from the class consisting of polyhydric alcohols wherein the hydroxyls are attached to a saturated aliphatic hydrocarbon radical, partial esters thereof with short chain saturated aliphatic monocarboxylic acids and partial ethers thereof and subsequently polymerising the composition.

2,345,127
GUN HAVING SLIDING AND INTERCHANGEABLE BARREL
Karl Kehne, Berlin-Tegel, Germany; vested in the Alien Property Custodian
Application February 20, 1939, Serial No. 257,508
In Germany October 7, 1935
2 Claims. (Cl. 42—75)



1. An automatic firearm of the reciprocating exchangeable barrel type comprising a firearm casing, a breech casing slidable therein, a removable barrel, bayonet joint coupling means on said barrel and breech casing whereby said barrel is removably mounted, and a guide member in said firearm casing settable into normal and unlocking positions projecting different amounts from said casing, said guide member having a cylindrical guide shoe with opposed parallel flats, and said barrel having therein a guide groove of a width corresponding to the flattened portion of the guide shoe, said groove extending longitudinally forwardly of the barrel from near its rear end for a length corresponding to the travel of the barrel in firing and being engaged by said guide shoe only when the guide member is set in normal position, a transverse groove joined at one end to said longitudinal guide groove, said transverse groove being of length corresponding to the turning movement to operate the bayonet joint, and an additional longitudinal groove joined to the other end of said transverse groove and extending through to the rear end of said barrel, said transverse and additional longitudinal grooves being of a depth corresponding to the projection of the guide shoe when set in unlocking position and of widths for cooperation with said guide shoe to guide the barrel in coupling and uncoupling said bayonet joint means.

2,345,128
CONVERSION OF HYDROCARBONS
Karl J. Korpi, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 7, 1942, Serial No. 453,976
8 Claims. (Cl. 196—52)

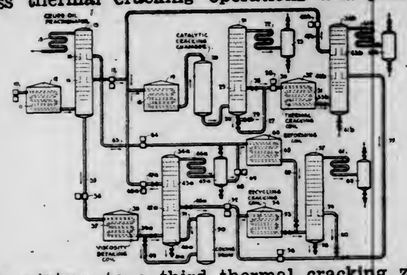


1. A process for the catalytic conversion of hydrocarbons to produce gasoline which comprises passing feed oil higher boiling than gasoline to a catalytic reaction zone, subjecting the oil therein to the action of an active cracking catalyst in solid granular form under conditions of elevated temperature such that substantial conversion of higher boiling hydrocarbons into gasoline hydrocarbons occurs, obtaining from said catalytic cracking reaction a cracked hydrocarbon mixture containing gasoline hydrocarbons and hydrocarbons higher boiling than gasoline, also obtaining from said reaction partially spent catalyst which has been in contact with feed oil in said reaction zone for not in excess of about 5 minutes between reactivations and which is at elevated temperature, separating gasoline hydrocarbons from said hydrocarbon mixture and separately subjecting said gasoline hydrocarbons to the action of said partially spent catalyst, without intervening reactivation and without substantial cooling of the catalyst under less drastic temperature conditions than prevail in the cracking zone such that substantial reforming of the gasoline hydrocarbons is secured.

2,345,129
CONVERSION OF HYDROCARBON OILS
Wayne E. Kuhn, Scarsdale, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 10, 1941, Serial No. 387,814
8 Claims. (Cl. 196—49)

1. In the conversion of hydrocarbon oils, the process that comprises subjecting a straight-run condensate stock to catalytic cracking, fractionating the resultant cracked products to separate higher boiling constituents from lower boiling products, passing such higher boiling constituents to a single-pass thermal cracking zone wherein the oil is subjected to conditions of temperature and pressure to effect thermal cracking, separating the resultant thermally cracked products into vapors and residue, fractionating the separated vapors to separate intermediate constituents from higher boiling and lower boiling constituents, directing intermediate constituents so obtained to the catalytic cracking zone, subjecting a petroleum residual charging stock to thermal cracking in a second single-pass thermal cracking zone, separating the later thermally

cracked products into vapors and residue, fractionating the latter separated vapors to separate intermediate constituents from higher and lower boiling constituents, directing said intermediate constituents to the catalytic cracking zone, combining higher boiling constituents produced in the fractionation of the vapors from said single-pass thermal cracking operations and passing



the mixture to a third thermal cracking zone wherein it is subjected to cracking conditions of temperature and pressure to effect thermal cracking, separating the latter thermally cracked products into vapors and residue, fractionating the latter separated vapors to separate a reflux condensate from lighter fractions and cycling the latter reflux condensate to the third thermal cracking zone.

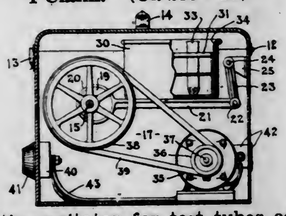
2,345,130

LIQUID AGITATOR

Joseph Roscoe Latham, New Bern, N. C.

Application September 26, 1942, Serial No. 459,769

1 Claim. (Cl. 259—54)



A selective agitator for test tubes comprising a liquid container having means for supporting test tubes at various positions therein, a pair of movable means supporting said container adjacent opposite ends thereof, one of said supporting means being a pivot mounted for a simultaneous movement of translation and oscillation adjacent one end of the container and the other being a crank means mounted for a movement of rotation and adjacent the other end of the container, in combination with means for rotating the crank means whereby one end of said container is moved by said supporting means with a motion of translation principally and the other end with a motion of rotation principally.

2,345,131

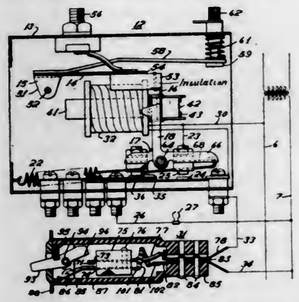
PROTECTIVE DEVICE FOR ELECTRICAL APPARATUS

Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 6, 1942, Serial No. 453,787

9 Claims. (Cl. 175—294)

1. In combination, an electrical apparatus, protective means therefor including a circuit interrupter actuated for controlling a circuit upon a predetermined condition of the apparatus, means for resetting said circuit interrupter to its initial position including an electroresponsive element and a switch for controlling the operation of the electroresponsive element, said switch comprising a pair of circuit controlling members mounted upon a movable support and normally biased from engagement with each other, operating means for actuating said circuit controlling



members into engagement with each other and thermally responsive means heated in accordance with the current flowing through said contact members for moving said support for releasing said circuit controlling members from control by said operating means for effecting the separation of the circuit controlling members.

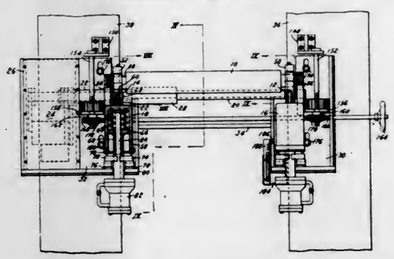
2,345,132

TENSIOMETER

Gerhard P. Lessmann, Forest Hills, and Paul C. Lottes, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 15, 1941, Serial No. 374,506

10 Claims. (Cl. 265—1.6)



1. In a device for tensioning a strip of material as it extends between adjacent work devices, a tensioning roller disposed to bear against the strip and thus subject it to tension by deflecting it from the line between the work devices, a supporting arm adjacent each end of said tensioning roller, means rotatably mounting each end of the tensioning roller on its adjacent supporting arm, a sleeve member, means rotatably mounting said sleeve member in a position displaced from and substantially parallel with said roller, a shaft member substantially concentric with and extending beyond said sleeve member, means securing one of said supporting arms to said sleeve member for rotation therewith, means securing said other supporting arm to said shaft for rotation therewith, separate means for actuating said supporting arms to thereby cause said tensioning roller to apply a transverse deflecting force to the strip and indicating means actuated by said sleeve member and said shaft.

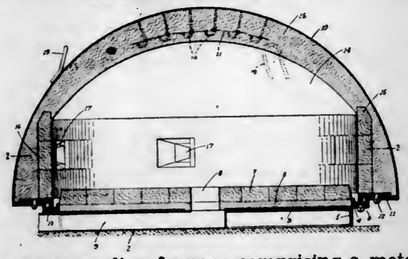
2,345,133

ANNEALING FURNACE

Robert Gilmore Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

Application December 28, 1942, Serial No. 470,353

3 Claims. (Cl. 263—43)



1. An annealing furnace comprising a metallic floor plate of circular configuration, means supporting said plate horizontally, a circular floor of fire resistant material formed on said plate in concentric relation thereto, the floor being of lesser diameter than the plate, an annular upwardly opening trough on the plate in surrounding relation to said floor, means securing the trough to said plate, an initially separate dome-like hood assembly disposed symmetrically above and forming with said floor an enclosed fire chamber, and a depending annular lip on the hood seating in said annular trough in supporting relation to the hood, the trough having a bed of fire resistant material therein.

2,345,134

SODIUM ALUMINATE PRODUCT AND PROCESS OF PRODUCING THE SAME

Frederick K. Lindsay, La Grange, and Benjamin F. Willey, Chicago, Ill., assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application November 27, 1939, Serial No. 306,292

12 Claims. (Cl. 23—52)

1. A process of producing a composition of matter consisting mainly of sodium aluminate and up to 5% of an organic stabilizing agent, which comprises dissolving aluminum hydrate in strong aqueous sodium hydroxide at a temperature not substantially exceeding 120° C. until a clear solution is obtained, whereby to obtain a water-soluble compound of sodium oxide and aluminum oxide having a slight molar excess of Na_2O to Al_2O_3 in the ratio of approximately 11:10 adding up to 5% of an organic stabilizing agent to said solution, and drying the resulting solution under conditions of high surface exposure in the form of a thin film maintained at a temperature not substantially exceeding 200° C.

2,345,135

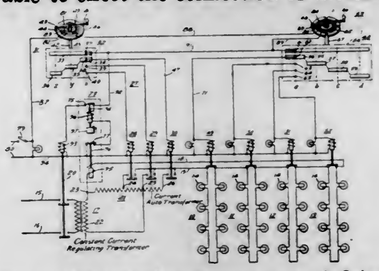
LIGHTING CONTROL SYSTEM

Harry E. Lippman, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 17, 1940, Serial No. 330,091

13 Claims. (Cl. 315—293)

1. The combination with a plurality of lighting circuits and a power source therefor, of transformer means disposed to be connected to the power source for supplying currents of different predetermined values to the circuits, a main switch for connecting the transformer means to the source, means including a plurality of selector relays selectively operable to determine which of said lighting circuits is to be energized, means including a plurality of control relays selectively operable to effect the connection of the selected



circuit to the transformer means and determine the current value to which it is to be subjected, and means for collectively controlling the operation of the main switch and control and selector relays.

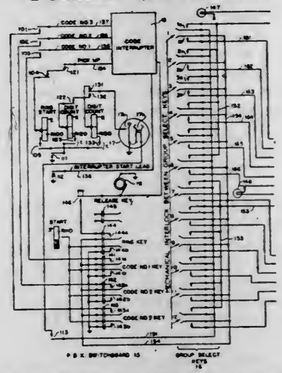
2,345,136

SIGNALING SYSTEM

Clarence Ernest Lomax, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

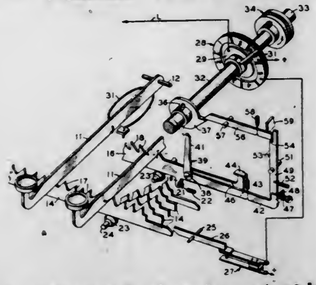
Application April 26, 1941, Serial No. 390,596

4 Claims. (Cl. 177—353)



1. In a signaling system, a control station, a plurality of signals arranged in groups, an automatic switch having a plurality of settings individually corresponding to different signals in each of said groups, a plurality of control paths individually corresponding to said groups and each extending from said station to said switch, a calling device at said station operative to direct said switch to a selected setting wherein said control paths are extended to the signals which correspond to the selected setting, a plurality of group select keys at said stations which individually correspond to said groups, means for producing differently coded signal currents, code select keys at said station which individually correspond to said codes, a circuit jointly controllable by any one of said group select keys and any one of said code select keys for rendering said switch controllable by said calling device, means responsive to the operation of one of said group select keys for selecting the control path individual to the signal group which corresponds to the operated group select key, and a circuit controlled by the operated code select key for transmitting signal current of the selected code over the selected control path to the selected signal.

2,345,137
TELEGRAPH MECHANISM
James W. Long, Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 10, 1942, Serial No. 446,415
7 Claims. (Cl. 178—79)

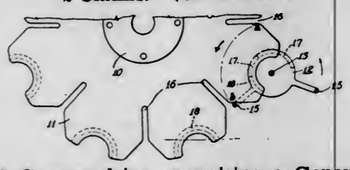


1. In a telegraph keyboard, a set of keylevers, a universal bar invariably operated on the actuation of any one of said keylevers, a frictionally driven rotatable member, a yieldable stop, a blocking member for said yieldable stop, means including said yieldable stop and said blocking member for holding said rotatable member at rest, a pivotable member operable by said universal bar, means including said pivotable member on the operation of said universal bar to operate said blocking member to unblock said yieldable stop to thereby release said rotatable member for rotation, and means operated by said rotatable member during rotation thereof to effect pivoting and disengagement of said pivotable member with said blocking member whereby said blocking member is positioned to again block said yieldable stop.

2,345,138
PROCESS FOR CONDENSATION OF PRIMARY ALIPHATIC ALDEHYDES
Hans Machemer, Burghausen, Germany; vested in the Alien Property Custodian
No Drawing. Application May 18, 1940, Serial No. 336,013. In Germany May 27, 1939
12 Claims. (Cl. 260—494)

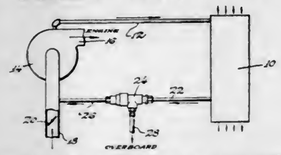
1. The production of glycols and esters thereof by the condensation of aliphatic primary aldehydes with 3 to 6 carbon atoms which comprises heating the aldehyde in the presence of a carbide of an alkaline-earth metal.

2,345,139
GENEVA DRIVE
Archworth Martin, Pittsburgh, Pa.
Application June 13, 1942, Serial No. 446,915
2 Claims. (Cl. 74—436)



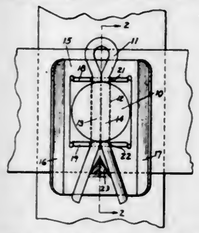
1. A Geneva drive comprising a Geneva pinion having a radially-extending portion provided with a gear-driving tooth and also having an arcuate boss that is coaxial with the pinion and located diametrally opposite to the said tooth, and a gear wheel having radially-extending thrust surfaces positioned to be successively engaged by said tooth, during rotation of the pinion and also having arcuate grooves whose side walls serve as dwell surfaces, curved complementally with the boss and disposed between the thrust surfaces in position to be successively engaged by said boss, the boss having a length of substantially less than 180 degrees and the arcuate grooves being approximately semi-circular, each thrust surface being movable into the path of the tooth only such distance that it will be engaged by the tooth when the boss leaves a preceding groove and will be pushed by the tooth from said path when the boss enters a succeeding groove.

2,345,140
AIRCRAFT HEATING APPARATUS
Henry J. DeN. McCollum and Lynn A. Williams, Jr., Chicago, Ill.; said Williams assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 3, 1942, Serial No. 457,152
3 Claims. (Cl. 237—12.3)



1. In an airplane having a supercharger for supplying a mixture of fuel and air to the engine, the combination of a heater of the internal combustion type, means for conducting a fuel and air mixture from the pressure side of said supercharger to said heater for combustion therein, a conduit for conveying products of combustion from said heater, a three-way connection having one port receiving products of combustion from said last named conduit, a conduit connecting the inlet of said supercharger to a second port of said three-way connection, a conduit connecting the third port of said three-way connection to the atmosphere, valve means controlling flow from the three-way connection to the supercharger inlet conduit responsive to the differential of pressures therebetween, and separate valve means controlling flow from the three-way connection to the atmosphere conduit responsive to the differentials in pressure therebetween.

2,345,141
COMBINED WASHER AND COTTER PIN SPREADER
John McMullen, Buffalo, N. Y.
Application August 23, 1943, Serial No. 499,734
7 Claims. (Cl. 85—50)



1. A combined washer and cotter pin spreader device having an opening through which a bolt is adapted to extend, an outwardly extending flange disposed below said opening and having an aperture through which a cotter pin is adapted to pass, a cotter pin spreader disposed below said aperture in said flange and means struck from said device and engageable by a cotter pin passing through said aperture in said flange to restrain transverse movement of the cotter pin.

2,345,142
PROCESS FOR RENDERING MATERIALS WATER-REPELLENT
Adalbert Müller, Augsburg, Germany; vested in the Alien Property Custodian
No Drawing. Application May 3, 1940, Serial No. 333,249. In Germany April 2, 1940
9 Claims. (Cl. 117—167)

1. Process for rendering porous materials water-repellent and waterproof which comprises treating the same with a stable aqueous emulsion consisting of a continuous phase comprising water and a water-soluble basic salt of a polyvalent element selected from a group consisting of aluminum, zirconium, thorium, uranium and titanium, and of a disperse phase comprising particles including a water-insoluble organic impregnating substance of an acid number between 10 and 25 selected from the group consisting of waxes, fats, oils, resins, fatty alcohols and higher aliphatic hydrocarbons, said basic salt being effective for maintaining the emulsion stable in the presence of the said organic substance of low acid number and in the substantial absence of a protective colloid.

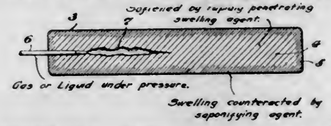
2,345,143
AIRPLANE FLOAT CAPABLE OF BEING EXPANDED AND CONTRACTED
Toyosaburo Nakagawa, Shimonoseki, Yamaguchiken, Japan; vested in the Alien Property Custodian
Application November 20, 1940, Serial No. 366,353
In Japan August 12, 1940
1 Claim. (Cl. 244—102)



An airplane float capable of being expanded and contracted, said float comprising a reel chamber, a rotatable reel mounted in said chamber, an inflatable envelope of elastic material having one of its ends connected to said reel and being capable, in its deflated condition, of being wound upon said reel, an elastic casing of definite length and width and of variable depth, said casing being disposed with its ends parallel to the axis of said reel and communicating, at its rear end, with a slot in the wall of said reel chamber, a first pulley shaft disposed rotatably in said reel chamber opposite said slot with its axis extending parallel to that of the reel, means to drive said first pulley shaft from said reel for rotation in a direction opposite to that of the reel, a second pulley shaft rotatably mounted at the front end of said casing parallel to and in substantially the same plane as said first pulley shaft, and an endless belt carried on said pulley shaft, the free end of said envelope being secured to said endless belt to be guided by the latter when the envelope is wound upon or unwound from the reel.

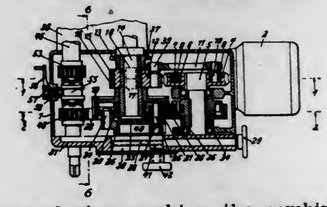
2,345,144
PRODUCTION OF HOLLOW PRODUCTS
Walter Opavsky, Altenhammer, Bayer. Ostmark, Germany; vested in the Alien Property Custodian
Application March 28, 1940, Serial No. 326,533
In Germany March 20, 1939
10 Claims. (Cl. 18—47.5)

1. A process for the production of hollow shaped products from saponifiable thermoplastic cellulose compounds free from sulphur, which comprises treating sheets of such compounds of suitable shape with an agent which reduces the strength of the sheet products from the inside towards the outside, said agent comprising a mixture of at least one saponifying agent and at least one swelling agent for the cellulose compound, thereby producing an article which, from the outside towards the inside, is saponified in



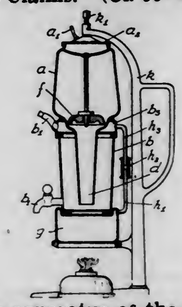
a progressively lesser degree and therefore swollen and weakened in a progressively greater degree, splitting such article in the interior most weakened portion thereof, and separating the surfaces formed by such splitting to form a hollow body.

2,345,145
FEED GEAR
Emil Panthoefer, Siegen, Germany; vested in the Alien Property Custodian
Application March 7, 1940, Serial No. 322,679
In Germany January 26, 1939
11 Claims. (Cl. 90—49)



1. In a planing machine, the combination of a plurality of tool carriers; a feed shaft for each carrier; a feed gear; gearing connecting said feed gear with said feed shafts; a driven shaft adapted to be alternatively driven in opposite directions at the same rate of speed; means actuated by said driven shaft, when it is driven in one direction, to drive the feed gear at a low rate of speed; and means actuated by said driven shaft, when it is driven in the opposite direction, to drive the feed gear at a higher rate of speed, the direction of rotation of the feed gear being the same in both cases.

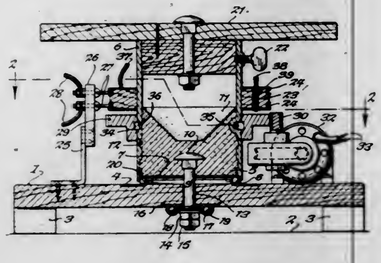
2,345,146
DEVICE FOR EXTRACTING COFFEE AND/OR TEA
Desider Perlusz and Ernest Balázs, Budapest, Hungary; vested in the Alien Property Custodian
Application March 7, 1939, Serial No. 260,412
In Yugoslavia April 20, 1938
8 Claims. (Cl. 99—292)



1. Brewing apparatus of the vacuum type for extracting coffee, tea or the like, wherein water

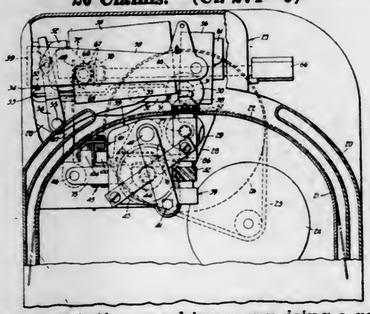
at extracting temperature is passed through a strainer as well as through material thereon to be extracted and into a receptacle for collecting the resultant brew by the action of a vacuum created within the apparatus, comprising three containers detachably superposed in steam-tight relationship, one of said containers being a steam-generating container, a second being a container for the supply of extracting water, and the third being a container for the material-supporting strainer, said strainer and the material thereon to be extracted being initially out of contact with said extracting water, means for passing steam generated in said generating container into the interior of the container for the supply of extraction water whereby the temperature of said water may be raised to extraction temperature and then a vacuum for displacing the heated water from the last-named container into and through the strainer container may be created, and means for collecting the resultant extract or brew.

2,345,147
ROTATABLE DISPLAY SUPPORT
Eleseo Petracca, Buffalo, N. Y.
Application July 23, 1943, Serial No. 495,861
10 Claims. (Cl. 211—1.6)



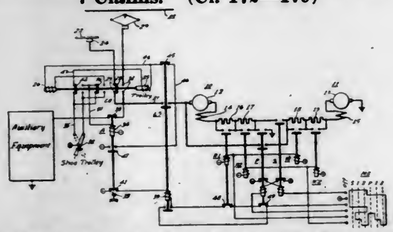
1. A display device comprising a base element, an annular, metal bearing plate disposed flat against one face of said base element and having along its inner edge as annular flange extending away from said base element, a rotatable member abutting endwise towards said base element and having a bearing plate on its end surface adjacent said element, said last bearing plate having a circular peripheral flange extending towards said element and of a diameter greater than the diameter across said first mentioned flange, but telescoping thereover, an anti-friction bearing confined between said flanges, a rod secured to said member approximately concentrically of said flanges and extending through said base element to the opposite face thereof, a flat bearing plate on said opposite face of said base element and through which said rod extends, a bearing element slidable on the free end of said rod towards and from said flat bearing plate and having an annular groove in its face towards said flat bearing plate approximately concentric with said rod, an anti-friction bearing confined in said groove and bearing on said flat plate, means adjustable endwise on the free end of said rod to prevent withdrawal of said rod from said base element and clamp said bearing element and said rolling bearing against said flat bearing plate, and means mounted on said base element and drivingly connected to said rotatable member to rotate it.

2,345,148
SOUND RECORDING AND REPRODUCING MACHINE
Barton A. Proctor, Larchmont, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application June 30, 1942, Serial No. 449,099
20 Claims. (Cl. 274—9)



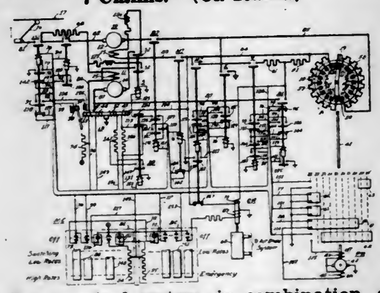
1. In a dictation machine comprising a record-supporting carriage, and mechanism for imparting translatory movement to the carriage including a feed screw; the novel structure which comprises a feed unit associated with the feed screw and including a plurality of thread members movable into and out of engagement with the feed screw, said thread members extending into spaced thread grooves on the screw with one member in operative register with a groove and other members offset from operative register with other grooves by progressively increasing distances equal to an aliquot part of the screw pitch and successive multiples thereof up to the full pitch distance, the arrangement being such that when one of the feed screw grooves and a thread member are in operative register, and said screw and the feed unit are axially shifted relative to each other by a distance equal to said pitch fraction or any multiple thereof, one of the thread members will be brought thereby into operative register with a groove of the screw.

2,345,149
CONTROL SYSTEM
George R. Purifoy, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1942, Serial No. 436,977
7 Claims. (Cl. 172—179)



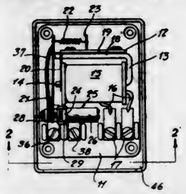
7. In a control system, in combination, a main load circuit, an auxiliary load circuit, a main switch for controlling the main load circuit, an auxiliary switch for controlling the auxiliary load circuit, a pair of power conductors for supplying power to the load circuits, a changeover switch for alternately connecting the power conductors to the load circuits, interlocking means on the auxiliary switch for controlling the operation of the main switch and interlocking means on the main switch and the auxiliary switch for preventing operation of the changeover switch while either of the load circuits is energized through said switches.

2,345,150
MOTOR CONTROL AND BRAKING SYSTEM
George R. Purifoy, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,358
7 Claims. (Cl. 192—2)



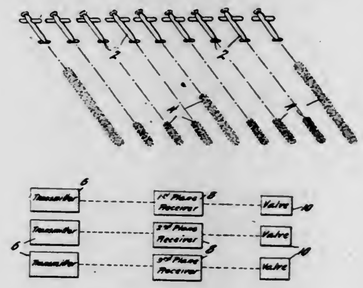
5. In a control system, in combination, a motor for propelling a vehicle having an air-brake system, a power conductor, switching means for connecting the motor to the power conductor and for establishing dynamic braking connections for the motor, a variable resistance accelerator for controlling the motor current during acceleration and dynamic braking of the vehicle, means responsive to the motor current for controlling the operation of the accelerator, electro-pneumatic means responsive to the braking current for governing the air-brake pressure, additional switching means for shunting the accelerator from the motor circuit, and interlocking means carried by said additional switching means for controlling the operation of said electro-pneumatic means.

2,345,151
ELECTROMAGNETIC DEVICE
William R. Ray, Beverly Hills, Calif.
Application June 10, 1940, Serial No. 339,765
3 Claims. (Cl. 200—87)



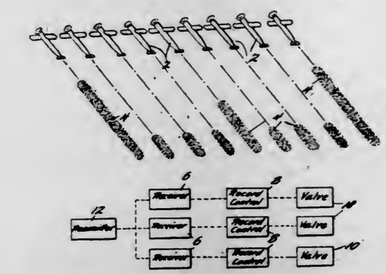
1. In an electromagnetically operated switching device: a core, an energizing coil for said core, an elongated armature mounted for angular movement about one of its ends in directions toward and away from said core and biased in the last-named direction, means limiting the movement of said armature in both of said directions and comprising a member having spaced-apart portions between which the free end portion of said armature extends, said member being so movable that said armature is moved therewith in said directions, to position it with respect to the core, a first contact element carried by the free end of said armature, and a second contact element cooperable with said first contact element and mounted on one of said spaced-apart portions.

2,345,152
SKYWRITING WITH A PLURALITY OF AIRPLANES
John T. Remey, New York, N. Y.
Application November 7, 1940, Serial No. 364,747
18 Claims. (Cl. 40—127.1)



8. Apparatus for forming letters or symbols in the air by means of parallel smoke trails, comprising smoke trail releasing mechanism, means for receiving a signal of a predetermined wave length, and means for amplifying such received signal and operating the smoke trail releasing mechanism for controlling the formation of the smoke trail in accordance with the timing and duration of the received signal.

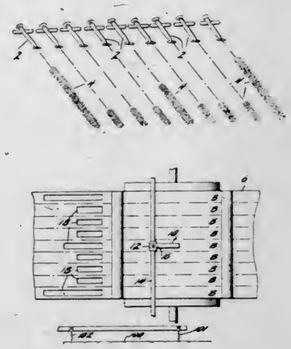
2,345,153
METHOD OF AND RECORDED CONTROL FOR SKYWRITING
John T. Remey, New York, N. Y.
Application November 7, 1940, Serial No. 364,748
16 Claims. (Cl. 40—127.1)



3. In an apparatus for forming letters or symbols in the air by means of smoke trails, an airplane provided with smoke emitting mechanism, for forming an elongated trail of smoke control means, including a movable patterned record, for use in controlling said smoke emitting mechanism, so as to form horizontal elongated smoke trails of controlled length at controlled intervals, and means for receiving and amplifying a wave signal, operatively connected to said record control means.

8. The method of forming letters or symbols in the air, comprising the steps of flying a plurality of airplanes in substantially parallel paths, simultaneously releasing parallel, intermittent smoke trails of controlled length at controlled intervals from the several airplanes, and controlling the length and placement of the several trails by the use of a patterned record in each airplane, said smoke trails cooperating to form individual and successive letters or symbols.

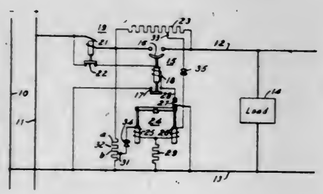
2,345,154
SKYWRITING TIMING APPARATUS AND METHOD
John T. Remey, New York, N. Y.
Application November 7, 1940, Serial No. 364,749
17 Claims. (Cl. 40—127.1)



3. Apparatus for use in forming letters or symbols in the air by means of smoke trails, comprising smoke trail forming means, a movable patterned record, settable timing means for starting said record at a predetermined time, and signal means operatively connected with the patterned record for actuation thereby, for indicating the times to operate the smoke trail forming means.

13. The method of forming letters or symbols in the air by parallel smoke trails, comprising the steps of assigning to each of a plurality of airplanes particular portions of successive letters and symbols, flying said airplanes in substantially parallel paths, releasing smoke trails from said airplanes and controlling the length and placement of the several smoke trails by a patterned record in each airplane, and manually controlling the starting times of the several patterned records so that the several airplanes begin their smoke trail formation at substantially the same time, the smoke trails released by the several airplanes being contiguous and parallel and cooperating to form successive individual letters or symbols.

2,345,155
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM
Maurice E. Reagan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1940, Serial No. 346,269
3 Claims. (Cl. 175—294)

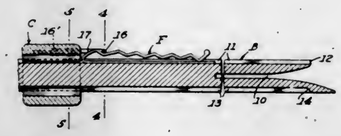


1. The combination with a direct current load circuit and a direct current supply circuit and a circuit breaker having fault responsive tripping means and a closing means for connecting the load and supply circuits together, of a load measuring resistor connected in bridging relation with the main contact members of the circuit breaker, a differential relay having opposed operating windings for controlling the operation of the closing means of the breaker, circuit means for connecting the operating windings of the differential relay to be energized by voltages derived from the supply circuit and the load measuring resistor, respectively, for effecting a reclosure of the circuit breaker in accordance with the resistance of the load circuit, a copper-oxide rectifier connected in series circuit relation with each of the relay operating windings, and a common resistor connected in series circuit relation with both windings, said copper-oxide rectifiers functioning to amplify current changes in the relay windings in response to voltage changes in their respective circuits, and said common resistor functioning to vary the circuit flow in one relay winding in response to and in the opposite sense to a variation of current flow in the other relay winding, whereby the sensitivity of the differential relay to voltage changes is increased to provide increased accuracy of load measurement in effecting a reclosing operation.

2,345,156
LUBRICATING OIL
Stiles Moxley Roberts, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 15, 1941, Serial No. 374,477
10 Claims. (Cl. 252—37)

1. An improved lubricating oil adapted for use in internal combustion engines, comprising a lubricating oil having incorporated therein a small proportion of polyvalent metal salt of an organic ester of a phosphorus acid, said organic ester being selected from the group consisting of alkyl and naphthenyl esters, together with a small proportion of a sulphurized fatty material.

2,345,157
DEVICE FOR APPLYING HAIRPINS TO CURLS OR WAVES
Giovanni Rossi, Milan, Italy; vested in the Alien Property Custodian
Application February 7, 1941, Serial No. 377,912
In Italy February 7, 1940
1 Claim. (Cl. 132—33)



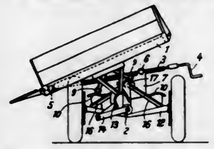
In a hair curler, a rod having a slot in one end for receiving and holding a lock of hair while a curl is being wound on the rod, said rod having a flat bottom groove extending longitudinally along one side from the end which has said slot, said groove extending a greater distance from said end than the slot, a collar slidable on said rod and having a loop-shaped spring clip overlying said slot and adapted to engage a hair pin, a hair pin in said slot, said pin having a straight leg adapted to lie flat on the bottom of said slot and a crooked leg bent to form a hump adjacent the junction of the legs to be engaged by said spring clip and the opposite end portion being outwardly turned to facilitate entry of the hair, said collar serving to press the pin onto a curl wound on the rod, and said pin being automatically released from the spring clip when the pin is pushed out of the end of said slot.

2,345,158
WHEELED UNDERFRAME, ESPECIALLY FOR TRAILERS OF MOTORCARS
Kurt Schröter and Hans Schröter, Wechmar, Gotha-Land, Germany; vested in the Alien Property Custodian
Application January 13, 1941, Serial No. 374,216
In Germany April 14, 1938
6 Claims. (Cl. 280—112)



1. A car comprising, in combination, a body, at least two wheel axles, a carrier disposed on the central longitudinal plane of the car, means swingably supporting said axles upon said carrier, and a compensation device comprising supports rigidly connected with the said axles and having universal joints supporting said body in the vertical longitudinal middle plane of the car, and a vertical pivot rigidly connected to the carrier at its middle, the body being rotatably mounted on said pivot.

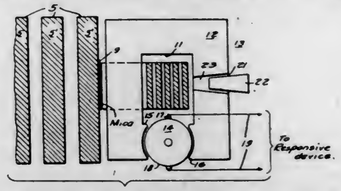
2,345,159
CAR, ESPECIALLY TRAILER, WITH TILTABLE BODY
Kurt Schröter and Hans Schröter, Wechmar, Gotha-Land, Germany; vested in the Alien Property Custodian
Application January 13, 1941, Serial No. 374,217
In Germany May 29, 1937
7 Claims. (Cl. 280—6)



7. A car, comprising, in combination, a wheeled underframe, at least two wheel axles forming parts of said frame and adapted to be swung relatively to one another on a longitudinal middle carrier common to them, a tiltable body, a compensation device connecting said axles with one another and with said body, and a draft member connecting said body with every wheel axle and being able to lift a wheel from the bottom when the said body is tilted.

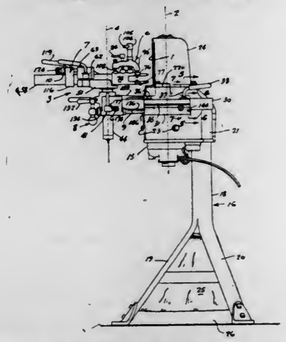
2,345,160
THROUGH-CURRENT PILOT-GENERATOR OR REGULATOR
James G. Stephenson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1942, Serial No. 444,197
4 Claims. (Cl. 171—312)

1. In combination, a heavy-duty direct-current bus-bar, a smaller-sectioned auxiliary bus of similar temperature-coefficient of resistivity, said auxiliary bus being electrically connected in parallel-circuit relation across a considerable length of the heavy-duty bus-bar and being disposed, throughout very nearly all of its length, in close proximity and in good heat-exchanging relation thereto, and a through-conductor current-responsive device comprising a magnetic



circuit of magnetizable material having a window therein, said magnetic circuit having an air-gap therein, means in the air-gap for responding to the strength of the direct-current flux therein, and one or more through-conductors extending only once through said window, only a small portion of said auxiliary bus being bent away from its close proximity to the heavy-duty bus-bar for passing through said window.

2,345,161
BRAKE SHOE GRINDER
Hjalmar Thomason, Los Angeles, Calif.
Application June 30, 1941, Serial No. 400,417
7 Claims. (Cl. 51—96)

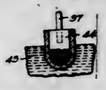


1. In a grinding apparatus, a rotary cutting wheel having a fixed axis, said wheel forming a grinding surface, an angularly movable support for an object to be ground by the wheel, means providing an axis of rotation for said support, and spaced from the grinding surface whereby angular motion of the support causes a cylindrical surface to be ground, about said axis of rotation, a spindle upon which said support is mounted, a common frame for supporting said spindle and the wheel, said frame having a socket for slidably receiving the spindle, said spindle being splined in the socket, and means for adjusting the spindle in relation to the frame, for adjusting the position of the axis of rotation.

2,345,162
HIGH FREQUENCY EXCITATION
Adolph H. Toepfer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,717
3 Claims. (Cl. 250—27.5)

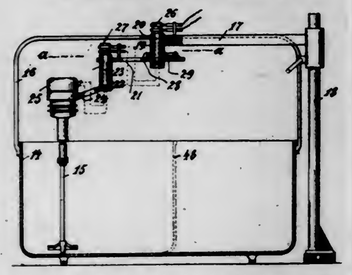
1. An electric discharge device comprising a

cathode of the pool type and an ignition electrode consisting of a conductor enclosed in an



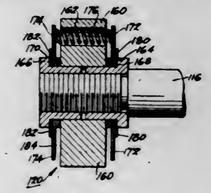
insulating coating of quartz at most, $\frac{1}{32}$'' in thickness in engagement with said cathode.

2,345,163
APPARATUS FOR MIXING, SIFTING, AND KNEADING
Paul Vollrath, Cologne-on-the-Rhine, Germany; vested in the Alien Property Custodian
Application November 30, 1940, Serial No. 368,050
In Germany November 30, 1939
2 Claims. (Cl. 259—102)



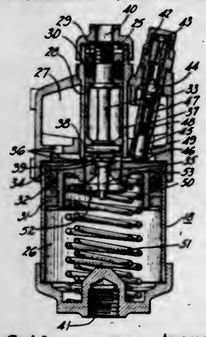
1. In an apparatus for treating material in the mass, a support, a jib arm attached by a vertical pivot at one end to said support, a tool mounted on the opposite end of said jib arm for rotation about a vertical axis, said jib arm being composed of two parts joined by a vertical hinge, means for rotating said tool, and ratchet means for preventing rotation of said jib arm in one direction about its pivotal connection with said support, while permitting rotation thereof in the reverse direction.

2,345,164
HYDRAULIC STEERING STABILIZER
John William White, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 3, 1939, Serial No. 248,991
2 Claims, (Cl. 280—90)



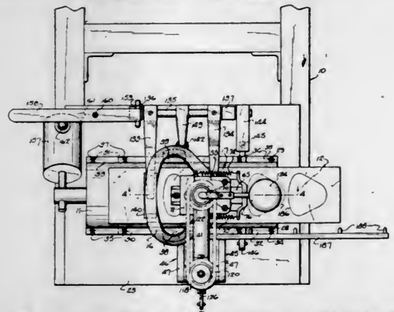
1. In a steering stabilizer for vehicles, a cylinder having a quantity of liquid therein, a rod slidable within the cylinder, valve means carried by the rod comprising an apertured body member, spaced discs adjacent the body member and adapted to close the apertures in the body member under certain operating conditions, and yielding means urging the spaced discs away from the body member, the area of the disc remote from the rod being less than the area of the disc adjacent the rod by an amount equal to the area of the rod.

2,345,165
FLUID PRESSURE CYLINDER
John William White, Van Nuys, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 13, 1942, Serial No. 438,722
7 Claims. (Cl. 60—54.5)



7. In a fluid pressure transmitting device adapted to effect a change in the effective pressure transmitted thereby, small and large diameter chambers, interconnected pistons reciprocable in the respective chambers, a fluid reservoir having a vent to atmosphere, and means operated by the pistons adapted to control said vent.

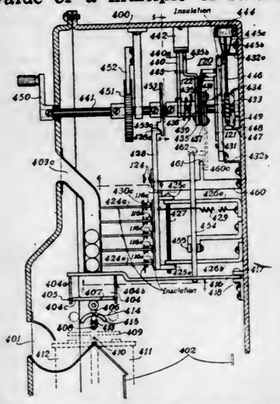
2,345,166
CUTTING MACHINE
Carl B. Williams, Jr., Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 26, 1942, Serial No. 463,326
17 Claims. (Cl. 33—27)



1. In a machine for cutting articles from curved sheets or plates of glass and the like, means for supporting the curved sheet in a substantially horizontal position, a template mounted above said supporting means and having a configuration corresponding to the article to be cut from said sheet, a cutting unit mounted to travel upon said template including a cutting tool engaging the said sheet, and means for mounting said cutting unit for swinging movement transversely of said supporting means and for sliding movement longitudinally thereof.

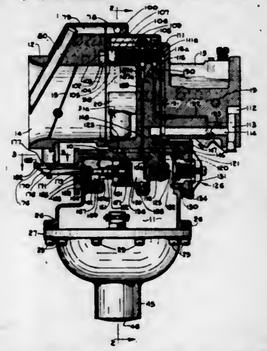
2,345,167
TELEPHONE SYSTEM AND APPARATUS
Bernard D. Willis, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application November 17, 1939, Serial No. 304,906
22 Claims. (Cl. 179—6.3)

1. In a telephone system which includes an exchange provided with registering means operative to make one registration in response to each of a plurality of received signals; a pay-station including means for receiving a plurality of coins of different denominations having either a base value or a multiple of said base value,



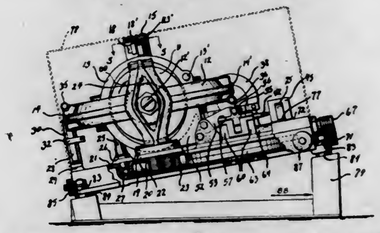
testing means operative to determine the total value of a plurality of coins previously deposited in said coin receiving means, and means controlled by said testing means for transmitting a plurality of signals to said registering means equal in number to the value of the deposited coins divided by said base value.

2,345,168
CHARGE FORMING DEVICE
Emil O. Wirth and George P. Lum, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 20, 1940, Serial No. 346,510
6 Claims. (Cl. 261—23)



1. In a carburetor having an induction passage including an air inlet, means forming a fuel chamber having an air space above the fuel accommodating portion thereof, a yielding wall member forming a part of the fuel chamber and exposed to hydrostatic pressure of fuel therein, said fuel chamber having a fuel inlet, a valve controlling the inlet, means operably connecting the yielding wall member and valve, said yielding wall member being responsive to hydrostatic pressure of fuel in the chamber, means forming a substantially closed compartment on the outer side of the wall member relative to the fuel chamber, and means whereby the upper portion of the fuel chamber and the compartment are vented to the air inlet.

2,345,169
ANGULAR RATE GYROSCOPE FOR AUTOMATIC STEERING
Guido Wünsch, Adam Kronenberger, and Karl Bauer, Berlin, Germany; vested in the Alien Property Custodian
Application January 6, 1940, Serial No. 312,692
In Germany July 2, 1937
16 Claims. (Cl. 74—5)



1. An angular rate gyroscope for control of automatic steering devices of dirigible craft, comprising a base, a support on the base, a gimbal ring within the support, stiff spring means connecting the gimbal ring to said support whereby the gimbal ring has limited turning movement about an axis inclined to the vertical, a rotor bearing frame carried by the gimbal ring and pivoted on an axis substantially normal to said first mentioned axis, centralizing weaker spring means connecting said rotor bearing frame to said base to oppose precession whereby during a change in the angular acceleration of the gyroscope due to a change in the direction of the craft and consequent precession of the gyroscope about said second mentioned axis there also occurs a slight relative turning of the gimbal ring and its support which is proportional to such acceleration, a pick-off device on the base, means connecting the pick-off device to the gimbal ring whereby said pick-off device is responsive to the angular acceleration of the craft.

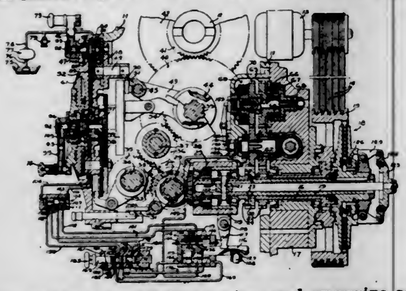
2,345,170
PROCESS OF MAKING ACETYLENIC CARBINOLS
Joseph Zeltner and Michailas Genas, Paris, France; vested in the Alien Property Custodian
No Drawing. Application March 29, 1940, Serial No. 326,804. In France June 16, 1939
5 Claims. (Cl. 260—638)

1. The process of manufacturing an acetylenic carbinol by reacting acetylene with a member of the group consisting of aliphatic aldehydes and ketones in the presence of solid potassium hydroxide in a solvent medium including, the step of effecting the reaction in an acetal as a solvent.

2,345,171
MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM
Joseph B. Armitage and Theodore F. Eserkaln, Wauwatosa, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application February 11, 1939, Serial No. 255,848
42 Claims. (Cl. 90—18)

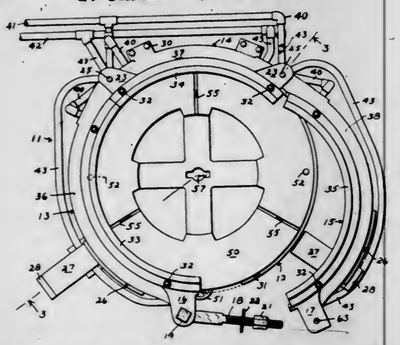
1. In a machine tool having an adjustable speed changing transmission mechanism, the combination with a main driving motor and an auxiliary motor arranged to actuate said transmission mechanism alternatively, of an electrical control system including a switch associated with

means operative to adjust said transmission mechanism, said control system being operative upon initiating an adjusting movement to deen-



ergize said main driving motor and energize said auxiliary motor automatically for effecting slow movement of said speed changing mechanism to facilitate adjustment thereof.

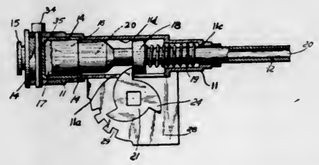
2,345,172
TIRE RETREADING APPARATUS
Thomas P. Bacon, Oakland, Calif.
Application September 29, 1941, Serial No. 412,899
17 Claims. (Cl. 18—18)



6. In apparatus for retreading a pneumatic tire, a full circle mold openable in its plane for engaging solely the tread portion of a tire and extending axially for less than the full tire width, a frame fixedly mounting the mold in a horizontal position, a plate element disposed opposite the under side of the mold and providing a flat bearing face for direct flat engagement with the under side face of a tire in the mold, support members adjustably engaging the frame and arranged to cooperatively support said plate element beneath the mold and coaxial therewith, said plate element providing the entire support of a deflated tire thereon in the mold plane when the mold is open, a plate element similar to the first overlying the mold, a tension means connecting the plate elements to urge them toward each other and against the opposite sides of the tire, and spacing members arranged between the plate elements and the opposed sides of the closed mold and operatively engaging said elements and mold to provide a spacing between the tire-engageable plate element faces which is no less than the tire width when the tire is inflated for use.

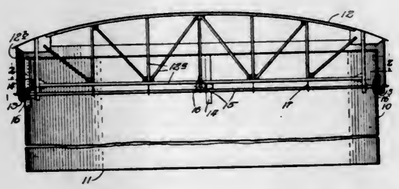
17. In apparatus for use in recapping a pneumatic tire containing an inflated tube for supernormal inflation during recapping, a vulcanizing mold having a heated matrix for peripherally engaging solely the tread portion of a tire in the mold and extending axially for less than the full normal tire width, plate elements disposed opposite the matrix and tire sides and providing mutually opposed flat faces arranged for a direct and line engagement thereof by the sides of the tire while axially spaced from the matrix, a laterally rigid ring member partitioning the interior space of the tire between its sides and having a width equal to the normal axial width of said space for its engagement with the tire interior in lines opposite the bearing lines of the plates, and means cooperative between the plates to positively and releasably engage them with the tire sides at their said bearing lines.

2,345,173
TOY
Edmund W. Baggott, Brooklyn, N. Y., assignor to Ideal Novelty & Toy Co., Long Island City, N. Y., a corporation of New York
Application September 10, 1943, Serial No. 501,745
3 Claims. (Cl. 46—1)



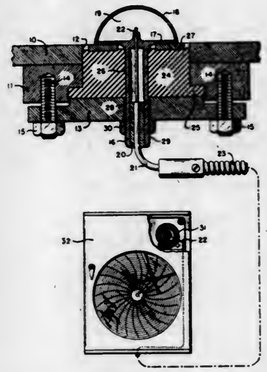
1. A device comprising a recessed outer member which is closed at its rear end, a hollow inner member, said inner member having a longitudinal through-and-through bore and having a part thereof fitting slidably in the recess of said outer member, said inner member being longitudinally slidable relative to said outer member, a spring which rearwardly biases said inner member relative to said outer member, actuating means for moving said inner member forwardly against the biasing force of said spring and for releasing said inner member at a predetermined part of said forward movement, so that said spring can then rearwardly snap said inner member.

2,345,174
LIFTER ROOF
Otterbein A. Bailey, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application December 8, 1941, Serial No. 422,175
1 Claim. (Cl. 48—176)



A storage tank, comprising: a substantially cylindrical shell; a vertically movable roof; a plurality of pairs of rack bars attached to the shell, the two rack bars of each pair being substantially diametrically arranged; and a shaft carried by the roof with pinions on the end connecting each pair of rack bars.

2,345,175
TEMPERATURE RESPONSIVE DEVICE
John G. Booth, Philadelphia, and Louis Gess, Jenkintown, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 18, 1941, Serial No. 374,982
6 Claims. (Cl. 297—3)



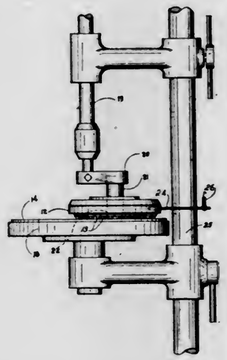
1. In combination, a thermo-sensitive element comprising, a member, a substantially hemispherical wall sealed to said member so as to form a chamber therebetween, a thermo-sensitive fluid contained in said chamber and changeable in pressure in accordance with the temperature of said wall, means communicating with said chamber for transmitting the pressure in said chamber to a pressure responsive device, a container, and adjustable means for mounting said thermo-sensitive element in said container so that only the substantially hemispherical wall extends into said container, said adjustable means including locating means cooperating with the container whereby said element may always be located in the same position in the container.

2,345,176
PISTON RING MEANS
Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application August 3, 1942, Serial No. 453,427
1 Claim. (Cl. 309—45)



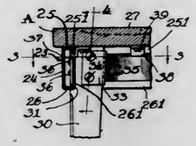
As an article of manufacture a piston ring comprising a strip of resilient piston ring material formed into an annular body, said strip being folded longitudinally of itself to present a generally U-shaped cross section, edges of the strip being formed with staggered overlapping openings extending throughout a part of the width of the strip to define upper and lower rows of circumferentially spaced-apart segments and connecting web portions for each of the segments, said web portions throughout a part of their length being bent over along one edge to provide supporting portions axially extending between the upper and lower rows of segments, each segment in one of the rows including a pair of supporting portions which are integral with two adjacent segments in the other of the rows.

2,345,177
METHOD AND APPARATUS FOR GRINDING BALL SEATS IN STEEL ARTICLES
Ottis R. Briney, Jr., Pontiac, Mich.
Application May 21, 1942, Serial No. 443,868
2 Claims. (Cl. 51—71)



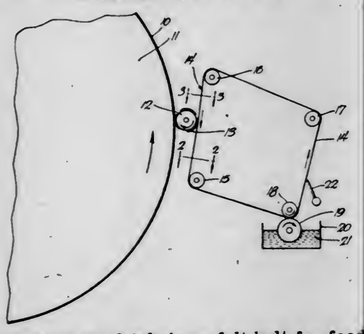
1. Mechanism for polishing ball seats in metal work pieces comprising, a stationary table, a pad thereon, a holder for a plurality of work pieces, abrasive laden balls in the ball seats in the work pieces in said holder, engaged with said pad and constituting the support for the holder, a rotatively driven crank pivotally connected with said holder, a stop adjacent said table and a rod on said holder yieldably engaged with said stop for oscillating said holder about its pivotal connection with said crank.

2,345,178
LEG ASSEMBLY FOR COMPOSITE METAL AND WOOD FURNITURE
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Original application July 18, 1941, Serial No. 402,912. Divided and this application June 9, 1943, Serial No. 490,126
4 Claims. (Cl. 155—196)



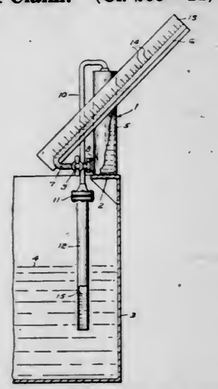
1. A composite metal and wood furniture structure including a horizontal metal channel frame with a vertical web and top and bottom flanges each having opposed upright lips spaced from said vertical web, a wood top member supported on said channel frame, wood legs depending from and fixed against the top and bottom flanges of said channel frame within the corners thereof, and means for securing said wood legs to said channel frame, comprising pairs of vertically spaced bolts extending at right angles to each other and taking through said leg, and spanner clips, one for each pair of bolts having their ends bearing against the upright lips of said channel frame and threaded to receive said bolts.

2,345,179
TREATMENT OF PRINTING FELTS
John W. Close, Lombard, and Clifford H. Hoot, Chicago, Ill., assignors to United Wall Paper Factories, Inc., a corporation of Delaware
Application April 10, 1942, Serial No. 438,362
1 Claim. (Cl. 91—18)



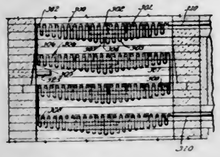
An endless wool fabric or felt belt for feeding to a wallpaper printing roller surfacing fluid comprising a water-dispersion of insolubilizable ingredients, said belt having the border surface layers thereof outwardly of the area of engagement of said belt and roller treated with a rubber-like, water-resistant material so as to immunize said border surface layers against impregnation by said surfacing fluid.

2,345,180
SPECIFIC GRAVITY INDICATOR
Merle Arnold Cook, Boulder City, Nev.
Application May 13, 1942, Serial No. 442,809
1 Claim. (Cl. 265—44)



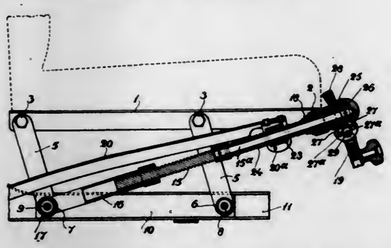
A specific gravity indicator comprising a U-tube embodying an elongated vertical leg of relatively large diameter and having end walls, and an indicating leg in the form of a transparent tube of relatively smaller diameter, the bottom end wall of the vertical leg being flat to solidly rest upon a horizontal support, the indicating leg having a straight long upper portion extending at an inclination entirely across and beyond opposite sides of the vertical leg and a straight shorter horizontal lower end portion extending toward and connected with the lower portion of the vertical leg to communicate with the latter at the adjacent side thereof, the upper end of said indicating leg being open, a control valve in said horizontal lower end portion of the indicating leg, a chart associated with said indicating leg and having calibrations at different points along the length of said inclined long upper portion of said indicating leg, and a straight, vertical pressure pipe parallel with and adjacent one side of said vertical leg and depending a substantial distance below the U-tube, said pressure pipe including a pipe of relatively small diameter having a laterally directed upper end communicating with the vertical leg at the top of the latter, and a tube of relatively larger diameter coupled to the lower end of said pipe and having an open lower end.

2,345,181
APPARATUS FOR ANNEALING
William B. Cooper and Edward J. Seabold, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 6, 1940, Serial No. 328,292
3 Claims. (Cl. 13—25)



1. In a furnace for continuously annealing cold rolled strip steel, of the type comprising a plurality of vertical heating chambers having refractory brick side walls, the combination of a plurality of spaced, horizontal rows of supporting lugs projecting into one of the chambers from the side walls, and electrical heating elements therein, each comprising a resistance ribbon supported in festoon form by one row of lugs with the festoons progressively increasing in length from the ends toward the middle.

2,345,182
ADJUSTABLE SEAT
Frederick Henry Corber, Chester, England, assignor of one-third to Arthur Sam Cheston, one-third to Edward Cyril Edmonds, and one-third to Basil Cheston, all of Birmingham, England
Application February 10, 1942, Serial No. 430,213
In Great Britain March 8, 1941
10 Claims. (Cl. 155—91)



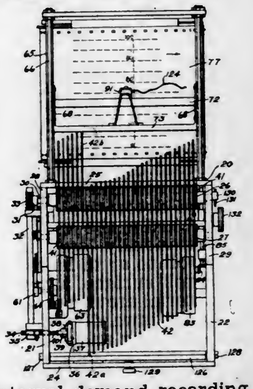
2. A seat comprising a seat top, links at each side of the seat top, pivoted to and supporting the latter, slides connecting the lower ends of the links at each side, members engaging and forming guides for the slides, means for operating the slides and links to vary the height of the seat top, and a radius member for limiting forward and rearward movement of the seat top during such height adjustment.

2,345,183
LIFTING UTENSIL
Rene E. Cyr, Lewiston, Maine
Application October 1, 1943, Serial No. 504,619
1 Claim. (Cl. 294—27)



A lifting utensil of the class described comprising a skeleton one-piece wire frame including a fork-like section having a rearwardly extending loop section, a blade fixed in the front end of the fork-like section, a hollow handle sleeved onto the loop section, and cross rods fixed to the fork-like section behind the blade.

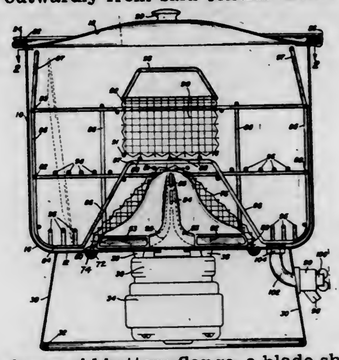
2,345,184
RATIO DETERMINING DEVICE
John J. Shively, New York, N. Y.
Application October 21, 1939, Serial No. 300,674
5 Claims. (Cl. 234—5.5)



5. In an interval demand recording device, in combination, a frame, a rotatable elevating roller journalled therein, said roller having a plurality of circumferential grooves, a plurality of parallel rods of equal length adjacent said roller and adapted to be elevated thereby, a common stop member underlying said rods, means to rotate said roller, means to successively engage said rods with said grooves in driving relation during successive overlapping time intervals and to successively release said rods at the termination of said intervals whereby said rods may be elevated during said periods and thereafter may return by gravity to said stop member, a common bar movably attached to said frame and overlying said rods and adapted to be successively engaged by each of said rods whereby said bar may be continuously supported and positioned by the highest of said rods, a record chart on said frame, means to move said chart, and means controllable by movements of said bar to trace a record on said chart, said record having amplitude proportional to the amplitude of movement of said bar.

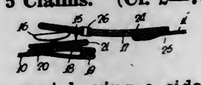
2,345,185
WASHING APPARATUS
Doris A. Edgar, Spokane, Wash.
Application December 23, 1940, Serial No. 371,417
6 Claims. (Cl. 299—63)

1. In a washing apparatus, an impeller comprising a central member mounted for motion about a vertical axis, a horizontal bottom flange on said central member, a plurality of walls projecting outwardly from said central member and



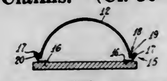
rising above said bottom flange, a blade shell over each said wall and spaced therefrom to form throats having pickup mouths adjacent the said flange.

2,345,186
PLACKET CLOSURE FOR FULL-LENGTH GARMENTS
Jacob Elkes, New York, N. Y., assignor to Jos. S. Cohen & Sons Co., Inc., New York, N. Y., a corporation of New York
Application October 30, 1942, Serial No. 463,930
5 Claims. (Cl. 2—74)



1. In a garment having a side placket in the waist region, a placket closure comprising a fly carried by the section of the garment on one side of said placket and having at least one inwardly-directed button secured to its under side, and an extension carried by the section of the garment on the other side of said placket and adapted to underlie said fly and provided with a buttonhole positioned to receive said button when the placket is closed, said buttonhole being arranged obliquely relative to the length of the fly.

2,345,187
FOOTWEAR
Rita M. Evans, Pelham Manor, N. Y.
Application November 7, 1942, Serial No. 464,860
2 Claims. (Cl. 36—2.5)

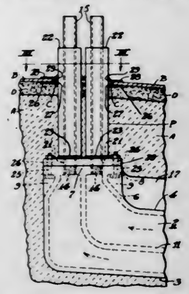


1. Footwear comprising uppers and a sole, a flange on the sole having an upwardly extending inwardly bent portion forming a channel, and a flange along the lower edge of the uppers having a projecting portion for engagement in said channel to fasten the sole and uppers detachably together.

2,345,188
COOLING PLATE FOR BLAST FURNACE INWALLS AND MANTLES
Adolph L. Foell, Cleveland, Ohio
Application March 13, 1942, Serial No. 434,468
8 Claims. (Cl. 122—6)

1. In a metallurgical blast furnace comprising a refractory stack extending above the mantle

thereof, a hollow cooling plate buried within the wall of said refractory stack whereby refractory portions of the said stack are provided between the inner and outer walls thereof and the said hollow cooling plate, the exterior wall of said stack having a pair of passages communicating with said hollow cooling plate, fluid intake and fluid outlet connections for said hollow cooling plate, each of said connections being in alignment with one of said passages and terminating inwardly of the exterior wall of said stack, a protection pipe disposed in each of said passages, an apertured plate secured to the inner end of each of said protection pipes, the apertures of said plates communicating with the bores of the respective pipes to which they are secured, means for securing said apertured plates to said hollow cooling plate, and fluid inlet and outlet conduits extending through said protection pipes into said connections.



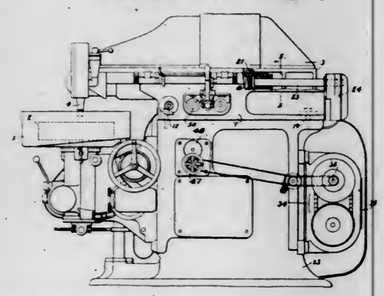
2,345,189

GRINDING MACHINE

Warren F. Fraser, Westboro, Mass.

Original application August 29, 1940, Serial No. 354,634. Divided and this application March 25, 1942, Serial No. 436,130

1 Claim. (Cl. 51—50)



In a grinding machine, the combination of a grinding wheel, a work support, a wheel head including a horizontal spindle on which said wheel is mounted and a slide supporting said spindle, a machine base comprising heavy, stiff upper and lower frame sections, a bracket on which said work support is mounted, vertical guides rigid with said lower frame section on which said bracket is supported for vertical adjustment, said upper section having horizontal ways on which said wheel head slide is mounted for reciprocating movement toward and from said work support and including a horizontal bottom web and stiffening ribs located between the sides of said upper section and integral with said sides and bottom web and extending both longitudinally and transversely of said upper section, means securing said sections together at three supporting points only located at the corners of a triangle and isolating said upper section from said lower section except at said points, two of said points being located at one end portion of the frame and spaced widely apart, while the third point of support is at the opposite end portion of the frame and is located substantially midway between the vertical planes of said ways.

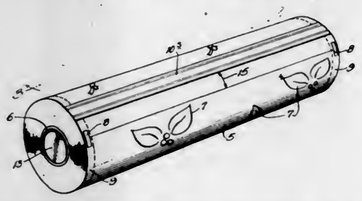
2,345,190

PACKAGING OF WALLPAPERING MATERIAL

Harry Freund, Chicago, Ill., assignor to United Wall Paper Factories, Inc., a corporation of Delaware

Application March 27, 1943, Serial No. 480,781

4 Claims. (Cl. 206—47)



1. A wallpaper package comprising a tubular roll of wallpaper having its decorative surface on the outside of the roll, a roll of border paper and a package of paste material removably positioned in the hollow of said tubular roll of wallpaper, a sample strip of said border paper extending longitudinally of said roll and secured to the surface thereof with the decorative side of the border strip facing outwardly, the width of said border strip being substantially less than the circumference of said roll so as to leave visible a major portion of said roll surface, a wrapper of transparent sheet material around said roll and having end portions folded inwardly over the ends of the roll, and seals overlying and adhesively united to said inwardly folded wrapper end portions at both ends of the package.

2,345,191

TREATMENT OF PIGMENTS

Frederick Gage, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application April 9, 1942, Serial No. 438,213

6 Claims. (Cl. 106—306)

1. A method which comprises forming an aqueous slurry of a finely divided pigment having an average particle size not substantially in excess of one micron, adding tall oil thereto while maintaining the temperature of the slurry above 50° C., agitating the mixture to coat uniformly the particles of pigment with the tall oil, filtering the slurry, and drying the product.

2,345,192

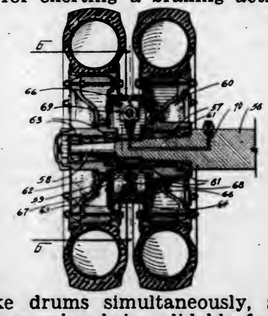
INDEPENDENTLY MOVABLE DUAL WHEEL CONSTRUCTION FOR VEHICLES

Vactor G. Garnett and Edward V. Garnett, Denver, Colo.

Application May 27, 1940, Serial No. 337,482

1 Claim. (Cl. 188—18)

A dual wheel mounting for vehicles comprising, in combination: an inner wheel bearing on, and adjacent the extremity of, said axle; an outer wheel bearing on said axle at the extremity thereof; an inner wheel mounted on the inner wheel bearing; an outer wheel mounted on the outer wheel bearing; a brake supporting structure mounted on said axle between said two bearings; a brake drum on the adjacent face of each wheel in cylindrical alignment with, and facing, each other to form a brake enclosure; braking means carried by said brake supporting structure for exerting a braking action against



both brake drums simultaneously, said brake supporting member being slidable from the extremity of said shaft, and acting to maintain the inner wheel bearing in place, said outer wheel bearing contacting said supporting member to maintain the latter in place; means for preventing rotation of the brake supporting member; and means on the extremity of the shaft for retaining the outer wheel bearing in place thereon.

2,345,193

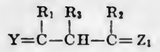
ORGANIC DYE

Béla Gáspár, Brussels-Forest, Belgium, assignor to Chromogen, Incorporated, a corporation of Nevada

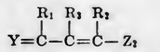
No Drawing. Application May 6, 1939, Serial No. 272,292. In Great Britain May 19, 1938

9 Claims. (Cl. 260—240)

6. The process of producing a dye which comprises boiling in an alkaline medium a compound selected from the groups consisting of N-phenyl pyrazolones, barbituric acids and thiobarbituric acids with a substance selected from the group consisting of substances having the general formulae



and



in which R_1, R_2 and R_3 each stand for a radical selected from the group consisting of hydrogen, alkyl and aryl and one at least of R_1 and R_2 stands for a radical selected from the group consisting of alkyl and aryl, Y and Z_1 stand for a member selected from the group consisting of =O, =N-aryl and (—O-alkyl)$_2$, and Z_2 stands for a member selected from the group consisting of —OH, —ONa, —O-alkyl, O—CO—alkyl, —O—CO-aryl and NH-aryl groups.

2,345,194

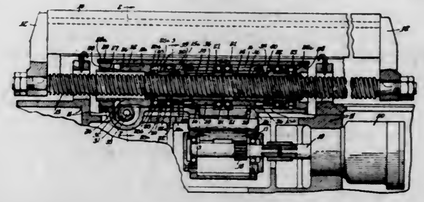
FEED SCREW MECHANISM

Bengt R. Granberg and Alfred G. Ericson, Rockford, Ill., assignors to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois

Application January 9, 1942, Serial No. 426,160

3 Claims. (Cl. 74—441)

1. In a machine tool which includes a base, a slide mounted for reciprocation on said base, a lead screw secured to said slide against rotation, a pair of nuts spaced apart on the screw and provided with gear teeth thereon, and drive gearing including a common pinion engaged with both nuts to rotate them simultaneously in the same direction, the combination of a fixed thrust bearing between the outer end of one nut and the base, an axially movable thrust bearing positioned against the outer end of the other nut, a sleeve disposed around the screw and interposed between said movable bearing and the base, said sleeve having threaded engagement with the base and being provided with gear teeth, and a worm rotatably supported on the base and meshing with said teeth operable to rotate the sleeve for adjusting it axially and thereby shifting the movable nut axially along the screw toward the first nut to take up backlash between the screw and the nuts and place a portion of the screw between the nuts under compression.



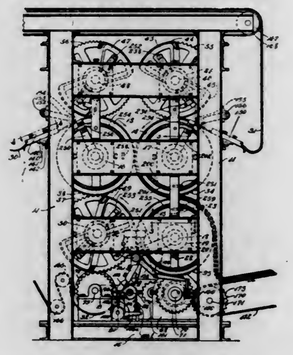
2,345,195

APPARATUS FOR MAKING LAMINATED STRIPS

Urban C. Haren, Akron, and John P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Original application November 7, 1940, Serial No. 364,664. Divided and this application August 1, 1942, Serial No. 453,206

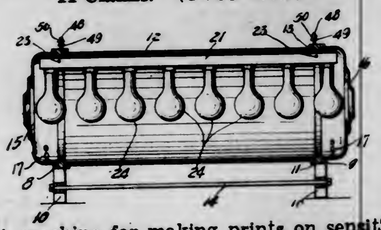
7 Claims. (Cl. 154—1)



1. Apparatus for cutting sheet material and making laminated units thereof, said apparatus comprising a pair of coacting presser rolls adapted to feed strips of material and to press them against each other in laminated relation at a nip of said rolls, and to serve also as platen rolls for supporting the strips while they are being cut to length, and a rotary cutter for each said roll adapted to cut a strip thereagainst, the said cutters being geared so out of step with each other as to act upon respective strips passing about the presser rolls to the laminating nip

of the latter at such longitudinal positions on the strips as to cause the end of one of the strips to reach said nip before that of the other strip, means for intermittently driving said cutters at the same surface speed as that of said presser rolls during a cutting operation and causing them to dwell between cutting operations, and means for adjusting the length of the dwells to control the length of the laminated strips.

2,345,196
BLUEPRINTING MACHINE
Gustave Heyman, Battle Creek, Mich.
Application August 26, 1942, Serial No. 456,450
11 Claims. (Cl. 95—77.5)



1. A machine for making prints on sensitized paper comprising spaced apart end frames, a longitudinally lisposed transparent cylinder having its ends mounted in said end frames, reflectors forming a closure for said cylinder, a gang socket bar extending through said cylinder and connected to a source of electrical energy, said bar being detachably connected to the end frames, a plurality of spaced apart light bulbs connected to said bar, and a light-proof curtain mounted on said frames for encircling said cylinder when the light source is energized.

2,345,197
FISHHOOK AND METHOD OF PRODUCING SAME
Henry Hirsch and William Burl Saul, Toledo, Ohio
Application November 25, 1941, Serial No. 420,396
6 Claims. (Cl. 29—9)



4. Method of producing a multiple fish hook which includes slitting a metal blank to form a plurality of extensions integrally connected to the blank; curvedly bending said extensions to form hook bends; and laterally bending said blank to locate said bends in spaced relation to each other and about the major longitudinal axis of the blank.

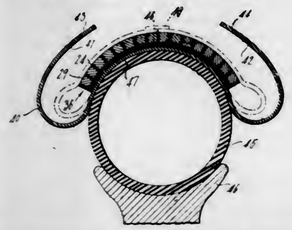
2,345,198
FORGING COMPOUND
Walter D. Hodson, Chicago, Ill., assignor to The Hodson Corporation, a corporation of Delaware
No Drawing. Application August 12, 1941, Serial No. 406,523
3 Claims. (Cl. 252—22)

3. A stable colloidal lubricant composition suitable for use on dies and tools operating on highly heated metal which comprises a light lubricant hydrocarbon oil of at least 50 to 100 seconds Saybolt viscosity at 100° F., from about 10 to 80% of graphite and from about 1.5 to 10% of a heavy metal soap, said oil being maintained in the form of a stable colloidal gel structure by said heavy metal soap with the graphite uniformly and relatively permanently dispersed and suspended therein, the said lubricating composition being capable, on dilution with oil of the same viscosity and on heating and mixing therewith, of maintaining its stability with the graphite uniformly suspended therein.

2,345,199
EMULSIFIABLE LUBRICANT
Walter D. Hodson, Chicago, Ill., assignor to The Hodson Corporation, a corporation of Delaware
No Drawing. Application July 1, 1942, Serial No. 449,315
4 Claims. (Cl. 252—49)

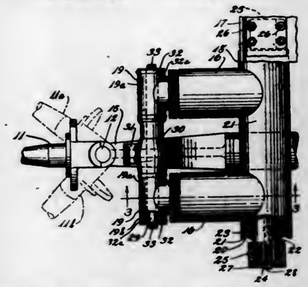
1. A lubricant base composition comprising a stable emulsion of water and a mixture of a glycerine mono-ester of a higher fatty acid and an ethanolamine soap of a higher fatty acid combined in such relative proportions that the former constitutes from 50 to 90% of the said mixture, said base composition being capable of being diluted with water to form a lubricating composition in stable aqueous emulsion form having as its essential lubricant and film-forming constituents the aforesaid glycerine mono-ester and ethanolamine soap.

2,345,200
METHOD OF MANUFACTURE OF INNER TUBES
Alfred N. Iknayan, Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Original application August 3, 1940, Serial No. 350,243. Divided and this application January 31, 1941, Serial No. 376,741
5 Claims. (Cl. 154—15)



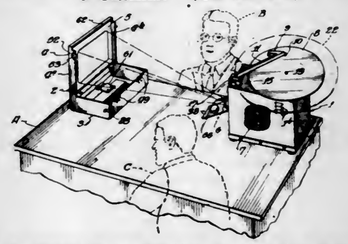
1. The method of producing full-molded puncture-sealing inner tubes for pneumatic tires comprising the steps of forming a grill-like layer of vulcanizable rubber composition, filling the openings of said vulcanizable layer with puncture-sealing composition, applying a layer of rubber composition, which will not vulcanize unless vulcanizing ingredients are added thereto, to the exposed surface of said vulcanizable layer, applying a third layer of rubber composition to the exposed surface of the second named layer, said non-vulcanizable layer being of such composition as to become tacky when subjected to heat and thereafter remain in such tacky condition, applying the opposite surface of the vulcanizable layer to the interior tread region of an inner tube, and inflating and vulcanizing the assembled structure in a conventional inner tube mold of predetermined size.

2,345,201
VEHICLE SUSPENSION AND SPRING
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 30, 1941, Serial No. 424,869
15 Claims. (Cl. 267—21)



1. A vehicle suspension having a wheel structure and an arm structure connected to effect vertical springing by stress on a torsional spring upon swinging movement of the arm structure, in which said arm structure comprises a pair of relatively reciprocatory members and a spring interposed between said members to cushion relative reciprocatory movement of said members upon swinging movement of the arm structure.

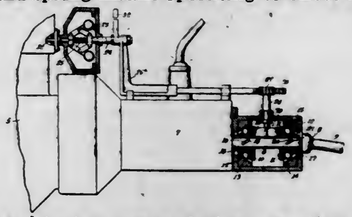
2,345,202
PORTABLE PROJECTION APPARATUS
Robert H. Larson, Geneva, Ill., assignor to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois
Application August 2, 1940, Serial No. 349,943
9 Claims. (Cl. 88—28)



1. A portable projection apparatus comprising, in combination, a picture projector, a carrying case in which it is fixedly and permanently mounted so as to be in readiness for operation when the case is opened, and a detachable cover for said case comprising a wall, a pad of superimposed sheets for use successively as projection screens, clamping means on the wall engaging a marginal portion of said pad and a lip extending from the wall engaging an opposite marginal portion of the pad, together with a part extending at right angles from one edge of said wall to act as a standard for supporting the wall and pad in upright position.

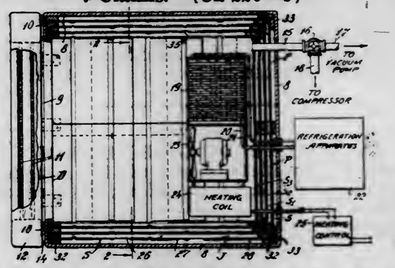
2,345,203
SAFETY BRAKE FOR AUTOMOTIVE VEHICLES
Joseph La Via, Ridgewood, N. Y.
Application November 15, 1941, Serial No. 419,264
3 Claims. (Cl. 188—167)

1. In an automotive vehicle having an engine and a member driven thereby, means for gripping said member to hold the same against rotation in both directions, means including said engine for rendering said gripping means ineffective, said means comprising a governor driven by said engine and spring means operating to effect release



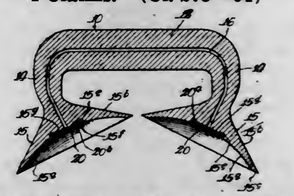
of said gripping means during operation of the engine and governor, and means for rendering said gripping means effective when and only when said engine is not operating.

2,345,204
INTERIOR CHAMBER INSULATION
Erwin Lodwig, Franklin Square, N. Y., assignor to Mobile Refrigeration, Inc., New York, N. Y., a corporation of New York
Application April 2, 1942, Serial No. 437,343
7 Claims. (Cl. 220—9)



1. Apparatus for thermally insulating the wall structure of a chamber subject to variations in interior pressure and temperature comprising, a plurality of spaced substantially parallel superimposed sheets of thin non-corrosive heat reflecting metal covering and extending substantially parallel to and adjacent the inner surface of the wall structure, said sheets forming dead air spaces therebetween, and self-closing vents in said sheets, openable by excess pressure on either side thereof, for permitting equalization of air pressure between the interior of the chamber and the several dead air spaces while preventing the flow of ambient air currents through the sheets.

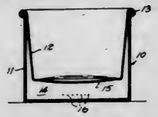
2,345,205
BOWLING BALL ATTACHMENT
Chester M. MacChesney, Chicago, Ill.
Application June 3, 1942, Serial No. 445,550
4 Claims. (Cl. 273—64)



1. An attachment for a bowling ball comprising a handle connected at its ends with a pair of suction cups adapted to be pressed against said ball, said handle and said cups being formed integrally of molded plastic resilient material and having air passages therethrough communicating

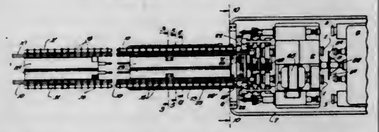
with said cups and provided with a port opening to the atmosphere, and check valves mounted in said cups to control the flow of air through said passages.

2,345,206
ICE MOLD WITH POSITIVE ATMOSPHERIC RELEASE
Logan L. Mallard, Norfolk, Va.
Application December 4, 1941, Serial No. 421,648
10 Claims. (Cl. 62—108.5)



1. An ice mold having a mold cavity and a movable ice-dislodging member located adjacent the mold cavity, means forming a substantially sealed chamber in pressure communication with said member, and means permitting restricted "breathing" or intake of air into and exhaust of air from said chamber, whereby atmospheric air may be drawn into the chamber during an increase in density over a range of temperature drop and when suddenly subjected to a higher temperature and thus caused to expand and exerts pressure on said ice-dislodging member before the air can escape from said chamber.

2,345,207
STOCK FEEDING MECHANISM
Judson H. Mansfield, Rockford, Ill., assignor to Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois
Application July 27, 1940, Serial No. 347,935
18 Claims. (Cl. 29—58)



1. A stock feeding mechanism including an upwardly open guideway for a length of stock, a feed bar mounted for reciprocation parallel to said guideway, a plurality of pivoted fingers extending laterally at intervals from said bar adjacent said guideway and urged yieldingly toward it by gravity, whereby some of said fingers initially rest against the surface of a length of stock and then fall successively past the end of said length into position for driving engagement therewith as the stock is advanced along the guideway, and means for reciprocating the bar.

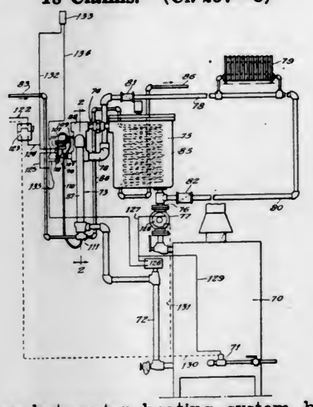
2,345,208
PROCESS FOR MAKING AMINOTHIAZOLINES
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 15, 1942, Serial No. 439,095
9 Claims. (Cl. 260—302)

1. The process of preparing a 2-aminothiazoline which comprises reacting a 2-mercaptothiazoline with an organic compound containing the

$$\diagdown\!\!\diagup \text{NH group}$$

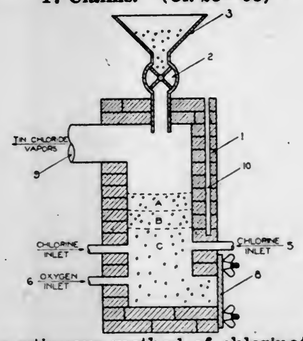
group with the elimination of hydrogen sulfide.

2,345,209
HEATING SYSTEM
Robert E. Moore, Park Ridge, Ill.
Original application October 8, 1941, Serial No. 414,127. Divided and this application May 7, 1943, Serial No. 486,007
18 Claims. (Cl. 237—8)



9. In a hot water heating system having a boiler, a radiator circuit and a service water heating circuit each communicating with the boiler, the combination of a service water pipe in heat exchanging relation to the heating circuit, a valve common to both circuits, and thermostatic means responsive to the flow of water through the pipe for actuating the valve to direct boiler water through the heating circuit and responsive to the temperature of the boiler water to shift the valve to direct boiler water to the radiator circuit when the flow through the pipe is interrupted.

2,345,210
TREATMENT OF TIN ORES
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 27, 1940, Serial No. 371,977
17 Claims. (Cl. 23—98)

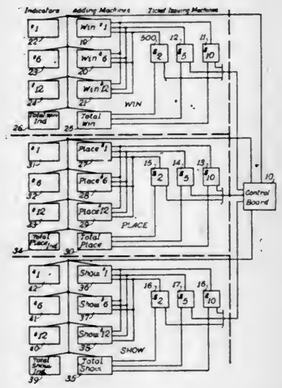


1. A continuous method of chlorinating a tin oxide bearing ore which comprises chlorinating a pervious bed containing said ore with a gaseous chlorinating agent in a reaction zone within a reactor and introducing ore, reducing agent, and the chlorinating agent therein at such a rate that sufficient heat is evolved to maintain the temperature not less than 500° C. within at least a portion of the zone without externally heating said reactor, the amount of chlorinating agent being sufficient to cause formation and volatilization of stannic chloride.

2,345,211
INVESTMENT COMPOSITION
Robert Neiman, Louisville, Ky., assignor to Edmund A. Steinbock, Louisville, Ky.
No Drawing. Application July 16, 1941, Serial No. 402,699
10 Claims. (Cl. 22—188)

1. An investment composition suitable for making molds into which high melting point metals and alloys may be cast and consisting of a refractory filler making up approximately 85% to 97% of the investment, and the balance being a binder consisting of 3% to 10% of magnesia, and to which is added an aluminum compound capable of forming the phosphate when mixed with phosphoric acid and being present in such amount as to contain .02% to 1% of aluminum, this investment being made into a plastic mass with a solution of phosphoric acid of 10% to 40% strength.

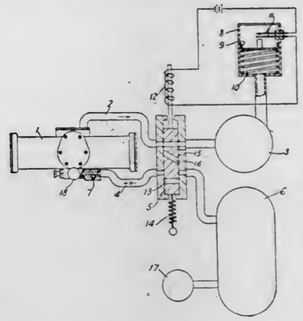
2,345,212
TOTALIZING SYSTEM
Martin L. Nelson, Park Ridge, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application April 22, 1940, Serial No. 330,971
24 Claims. (Cl. 235—92)



22. In a totalizing system, ticket-issuing machines each including means for indexing the sale of a ticket, a register element, means controlled by the machines in which ticket sales are concurrently indexed for causing said register element to register in one continuous operation the total value of the indexed ticket sales, and means responsive to the operation of said last-named means for causing the machines in which ticket sales are concurrently indexed to issue tickets concurrently.

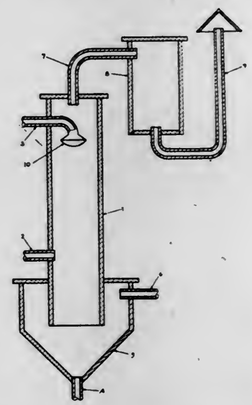
2,345,213
FLUID PRESSURE MOTOR SYSTEM
William Edward O'Shei, London, England
Application April 5, 1943, Serial No. 481,842
In Great Britain March 31, 1942
2 Claims. (Cl. 60—60)

1. A fluid pressure motor system for motor vehicles, comprising a fluid motor operable both by suction and compressed air, means for supplying the motor with operating suction, means for supplying the motor with operating compressed air, a control valve normally rendering the suction supply means operative and the compressed air supply means inoperative and operable to reverse the order of the two supply means whereby the motor will operate by compressed air, a solenoid operable for actuating said valve to so reverse the order, and a suction responsive switch in circuit



with the solenoid and maintaining the circuit open in the presence of a predetermined degree of suction and closing the circuit to operate the solenoid when the suction falls below such degree whereby a uniform speed of operation is provided for the motor.

2,345,214
PURIFICATION OF LIQUID HALIDES
Alphonse Pechukas, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1942, Serial No. 437,187
8 Claims. (Cl. 23—98)



1. A method of purifying a substantially anhydrous stannic halide containing a metallic impurity which comprises precipitating impurities therefore by means of a reactive sulphide.

8. A method of purifying a substantially anhydrous normally liquid distillable halide of a metal of the fourth group of elements containing a metallic impurity which comprises forming a porous bed of solid discrete inert elements, permitting a stream of said halide in liquid state to percolate through the bed and introducing H_2S into the bed to cause precipitation of an impurity from the halide.

2,345,215

MANUFACTURE OF PYRIMIDINE CONDENSATION PRODUCTS

Robert Purrmann, Munich, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application February 5, 1941, Serial No. 377,515. In Germany February 29, 1940

12 Claims. (Cl. 260—251)

1. The process which comprises condensing a 4.5-diamino-pyrimidine with oxalic acid at a temperature of about 200 to about 350° C.

2,345,216

CYCLOPENTANOPOLYHYDROPHENANTHRENE HYDROXY ALDEHYDES AND ESTERS THEREOF

Tadeus Reichstein, Basel, Switzerland, assignor to the firm of Roche-Organon Incorporated, Nutley, N. J.

No Drawing. Application May 16, 1941, Serial No. 393,831. In Switzerland June 17, 1940

5 Claims. (Cl. 260—397.4)

1. Process for the manufacture of hydroxy-aldehydes of the saturated and unsaturated cyclopentanopolyhydrophenthrene-series and the esters thereof, which comprises condensing compounds of this series containing in 17-position a substituent of the formula

$$\overset{20}{\text{—CHOH—}}\overset{21}{\text{CHOH—}}\overset{22}{\text{CHOH—R}}$$

wherein R is a member of the group hydrogen and a hydrocarbon radical, with a carbonyl compound in the presence of an agent capable of splitting off water, condensation taking place between the carbonyl compound and hydroxyls at the positions 21 and 22, esterifying the hydroxyl at the position 20 by treating the condensation products with an esterifying agent, then regenerating the hydroxyls at the positions 21 and 22 by treating with an acid agent, and causing the resultant glycols to split into 20-ol-21-al esters.

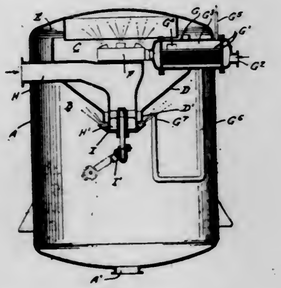
2,345,217

ATOMIZING DEAERATOR

Victor A. Rohlin, Philadelphia, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application June 11, 1942, Serial No. 446,623

3 Claims. (Cl. 183—2.5)



1. An atomizing deaerator comprising a water heating section, a deaerating section in communication with said heating section to receive water therefrom and to discharge steam therein, a vent condenser having a condensing space in communication with said heating space to receive a steam and gaseous mixture therefrom and having an outlet for the discharge of uncondensed residue, means for supplying water to be heated and deaerated to said heating section, conduit means for passing water from said heating section into said deaerating section, a water of condensate discharge connection to said vent condenser having its discharge end in a portion of said deaerating section displaced from said conduit means, means for discharging heated and deaerated water from said deaerating section, means supplying steam to said deaerator at a pressure above the steam pressure in said deaerating section and means for utilizing a portion of the energy of the steam supplied in atomizing the water passing into the deaerating section from the heating section and for utilizing another portion of the energy of the steam supplied in moving a jet of steam past the discharge edge of said discharge connection and thereby impressing a suction on said discharge connection and atomizing the condensate discharged.

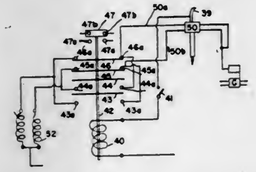
2,345,218

DUPLICATING MACHINE

Oscar E. Rosen, Detroit, Mich.

Application April 8, 1940, Serial No. 328,436

8 Claims. (Cl. 90—13.5)



2. In a tracer controlled duplicating cutting machine in which the feed of the workpiece toward and from the cutter is tracer controlled while the workpiece is being moved past the cutter, means for reversing the latter movement and simultaneously reversing the tracer controlling effect.

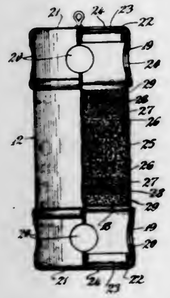
2,345,219

GEOCHEMICAL PROSPECTING

Robert Thomas Sanderson, Sierra Madre, Calif., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application December 30, 1939, Serial No. 311,812

11 Claims. (Cl. 23—232)



10. Apparatus for geochemical prospecting comprising a container, a mass of hydrocarbon sorbent in said container, said container being provided with openings to subject said sorbent to soil gases, a layer of a water removal reagent disposed between said openings and said sorbent, separate layers of reagents for the removal of acidic and basic gases disposed between said first-mentioned layer and said sorbent, and means for suspending said container in a shallow well.

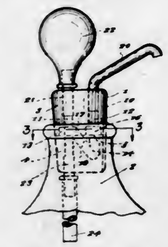
2,345,220

PUMP

Thomas H. Sarchet, Spokane, Wash.

Application February 4, 1942, Serial No. 429,573

1 Claim. (Cl. 215—3)



In a pump, a body tapered downwardly for wedging fit within a bottle neck and consisting of upper and lower sections, the upper section being formed with vertical passages having their lower ends enlarged to form pockets in its lower face spaced transversely from each other, the pocket of one passage being formed with a side extension projecting toward the other pocket, a nipple mounted in the last mentioned passage through the upper end thereof and projecting upwardly therefrom, a bulb carried by the projecting upper portion of said nipple, a discharge nozzle mounted in the other passage through the upper end thereof and projecting upwardly therefrom, the lower section being formed with a vertical passage having its upper end registering with the pocket of the first passage of the upper section, and a V-shaped passage having one arm registering with the second passage of the upper section and its other arm registering with the side extension of the pocket of the first passage of the upper section, and a sheet of flexible material disposed between said sections in adhering engagement with confronting faces thereof and cut to form openings registering with the pockets and also form flap valves in the openings operating in the pockets and normally resting upon the lower section in closing relation to passages thereof.

2,345,221

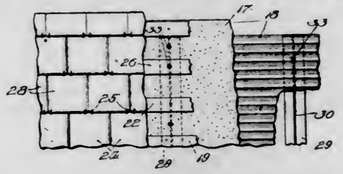
BUILDING MATERIAL AND METHOD OF APPLYING SAME

George E. Swenson, Hastings on Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware

Application September 23, 1938, Serial No. 231,411

4 Claims. (Cl. 108—1)

3. A fabricated insulated building construction comprising in combination a preformed metal structural member, felted fiber insulating board, and on the side thereof remote from the preformed metal structural member substantially parallel spaced strips of metal, and provided over that surface thereof remote from the preformed metal structural member, surfacing material, secured thereto by fastening means extending through the surfacing material, through a metal strip, the insulation board and the preformed metal structural member, the such fastening



means securing the surfacing material, metal strips, insulation board and performed metal structural member together as a rigid insulated building construction.

2,345,222

PRODUCTION OF STEEL

Marvin J. Udy, Niagara Falls, N. Y.

No Drawing. Application May 26, 1941, Serial No. 395,312

5 Claims. (Cl. 75—54)

2. The method of treating iron containing not less than about two and one-half percent of carbon and one percent of elemental silicon to remove elemental silicon and carbon contained therein which comprises subjecting the iron while molten to the action of a mixture of materials comprising iron oxide, elemental silicon-containing material and sodium nitrate.

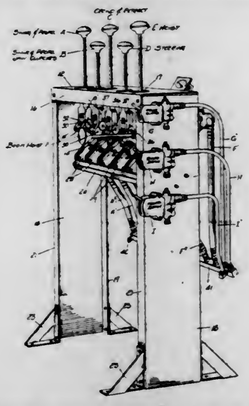
2,345,223

CONTROL APPARATUS

George W. Upp, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application August 21, 1940, Serial No. 353,495

13 Claims. (Cl. 137—144)

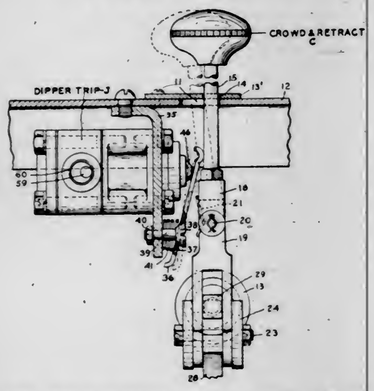


1. A control station comprising a stand having a top and a supporting bar joining said sides at a substantial distance beneath said top, and a plurality of removable angular valve supports connected to said bar and to the top and serving to partially enclose a portion of the stand beneath said top.

9. A control station comprising a support including a top having a slot, a pair of valves arranged one above the other below said top and having stems reciprocable in a plane parallel to said slot, an oscillatory operating handle extending through said slot above said top for simul-

taneously operating said valves, said handle being mounted on a pivot arranged transversely of said slot and having means connecting it to said pair of valves above and below its pivot, said handle having a portion pivoted on an axis parallelling said slot to swing transversely of the slot, and means cooperating with said portion of the handle constructed and arranged to lock the valve in adjusted position when said portion of the handle is swung transversely of the slot.

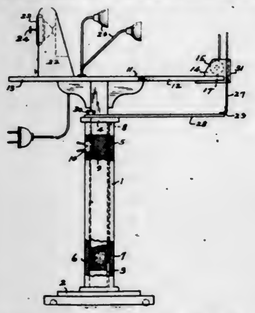
2,345,224
CONTROL SYSTEM
George W. Upp, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application May 6, 1941, Serial No. 392,085
5 Claims. (74—471)



1. The combination with a pair of movable elements; of an operating lever having its body fulcrumed at one end to operate one of said movable elements, said lever having its upper end movable independently of said body on an axis normal to the fulcrum axis and movable laterally of the normal plane of movement of said lever body to operate said other element, and an inclined operating plate for said second element co-extensive with the movement of said lever body, studs extending from the second element and having heads operating in openings in said plate, and coil springs on the studs between said plate and said second element.

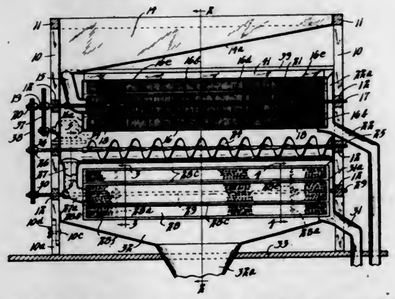
2,345,225
PHOTOGRAPHIC APPARATUS
Charles L. Walsh, Louis Isaacs, and Alfred M. Mercur, Pittsburgh, Pa., assignors to Photographic Equipment, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1942, Serial No. 442,822
1 Claim. (Cl. 95—86)

In a photographic apparatus, the combination of a supporting stand, a table structure vertically adjustable in said stand, means for holding said structure in the adjusted position, automatically operable means exerting an upward pull on said structure for facilitating the adjustment of the latter in said stand, a centralizing frame supported at one end of said structure, a camera carried adjacent to the other end of said structure and having a fixed focus directed toward said frame, illuminating elements mounted on said structure and having a fixed focus directed toward said frame, a numbers indicator mounted on said structure at the lower end of said frame, a supporting arm detachably fixed to said stand, a guide plate fixed to said structure, and a height



measuring element having a hinged connection with said arm and extending through said guide plate.

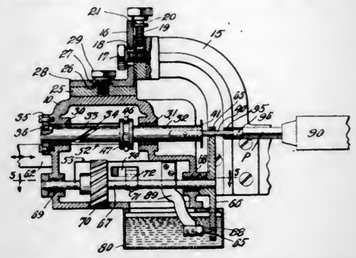
2,345,226
FLAX CLEANING MACHINE
Mathew J. Weiss, Minneapolis, Minn.
Refiled for abandoned application Serial No. 343,023, February 27, 1929. This application May 5, 1941, Serial No. 391,938
6 Claims. (Cl. 209—289)



6. A flax cleaning machine having in combination, a rotatable elongated container having substantially flat wall portions, said wall portions being formed of metal and having pressed therein elongated ribs extending transversely of said container and having flat sides inclined to a plane at right angles to the axis of said container, said ribs thus having sides extending inwardly and said ribs having slits therebetween at their meeting inner edges through which flax seeds are adapted to pass flatwise.

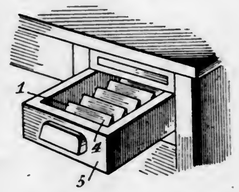
2,345,227
ADHESIVE APPLYING MECHANISM
Stewart J. White, Jersey City, N. J., Roswell H. Simpson, Staten Island, N. Y., and Edward Meola, Jersey City, N. J., assignors to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application February 3, 1943, Serial No. 474,552
11 Claims. (Cl. 91—47)

6. In combination, means for supporting a member to receive adhesive, a container for adhesive, a disk rotatably mounted above the container and having apertures movable into and out of said adhesive as the disk is rotated, means for rotating said disk in a step by step movement, said disk being movable thereby into positions in which the apertures are disposed opposite to and in alinement with said member, means movable through said apertures to carry the adhesive from the apertures to the member, and means



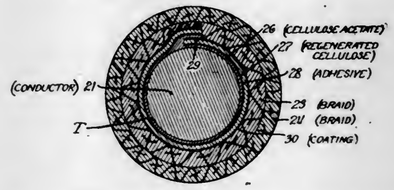
movable through said apertures for removing air therefrom after said adhesive applying means has been actuated through the apertures.

2,345,228
FILING DEVICE
Rosaire Babineau, Pointe-aux-Trembles, Quebec, Canada
Application June 3, 1943, Serial No. 489,511
2 Claims. (Cl. 129—43)



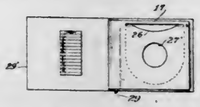
1. A filing device comprising a series of parallel and contiguous blocks, a base to which said blocks are secured, the upper exposed surface of each block sloping rearwardly and upwardly from said base, and a pair of plates applied to the lower surface of said base, respectively at the forward and rear ends thereof, the rear plate being adjustable lengthwise of said base.

2,345,229
INSULATION FOR ELECTRICAL CONDUCTORS
Boris J. Barmack, Chicago, Ill.
Application June 3, 1941, Serial No. 396,442
32 Claims. (Cl. 174—120)



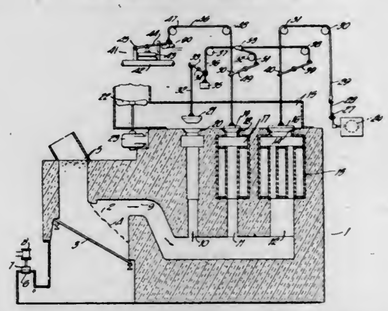
1. In combination, an electrical conductor, a cellulose tape extending lengthwise of the conductor and embracing the latter in the form of an insulating sheath, said sheath having a lapped seam extending longitudinally of the conductor, and an outer thread covering over said sheath impregnated with a saturant applied in a heated condition, said cellulose tape comprising a heat-sealing coating which establishes a heat-seal at said lapped seam from the temperature of the heated saturant.

2,345,230
RECORD HOLDER
Sydney E. Bender, Brooklyn, N. Y., assignor to Ted Shandal, Brooklyn, N. Y.
Application April 24, 1942, Serial No. 440,288
4 Claims. (Cl. 129—20)



1. The method of fabricating a record holder, which comprises applying an adhesive to one face of an elongated, relatively stiff sheet, bending the latter approximately about the middle of its length and folding the two bent parts with their adhesive faces against each other and pressing them together, removing from the relatively stiff folded and united sheet parts a portion of their material to provide an opening which is rounded at one end and oblong at the other, removing from a thinner and flexible sheet, approximating in length said stiff sheet, an elongated portion near one edge thereof to form a slot, and a circular portion below the slot, said slot corresponding in length to the width of the oblong opening in the stiff sheet, adhesively securing said flexible sheet about said folded stiff sheet so that the slot of the former and the opening of the latter register at their respective straight edges.

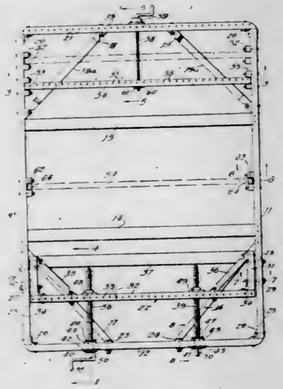
2,345,231
FURNACE
Warren S. Blauvelt, Ann Arbor, Mich., and Nolan A. Curry, Troy, N. Y., assignors to Blauvelt Associates, Inc., Troy, N. Y., a corporation of New York
Application January 31, 1941, Serial No. 376,828
13 Claims. (Cl. 237—8)



1. A furnace of the character described comprising a combustion chamber within which fuel may burn, means defining a plurality of passages communicating with said combustion chamber and through which the gases of combustion may flow, one of said plurality of passages constituting a by-pass, a heat-transfer device included in a first of said plurality of passages and a heat-transfer device included in a second of said plurality of passages, said heat-transfer devices being adapted respectively to supply heat to a first and second medium, a valve operatively associated with each of said plurality of passages, valve-operating means, a first heat-responsive means responsive to the temperature of said first medium and a second heat-responsive means responsive to the temperature of said second medium for controlling respectively the valve associated with said first and second passage and

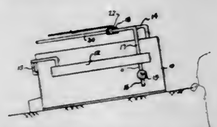
both of said heat-responsive means being operable to control the valve associated with said by-pass passage to close the by-pass valve when either of the other valves are opened and to open said by-pass valve when both of the other valves are closed.

2,345,232
RUG STRETCHER
Charles A. Boushelle, Chicago, Ill.
Application August 7, 1942, Serial No. 453,939
5 Claims. (Cl. 45—24)



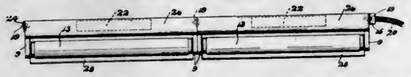
1. A rug stretcher comprising a rectangular frame comprising side rails and end pieces, diagonally extending braces connecting each end piece with the side rails, a cross bar adjacent to one end piece and having rug attaching hooks thereon, stops on the side rails limiting the movement of said cross bar toward the other end piece, a central brace for said cross bar comprising a threaded rod threadedly engaging the adjacent end piece and rotatably secured to the cross bar at the center thereof, an adjustable frame adjacent to the other end piece, means supporting said adjustable frame for sliding movement lengthwise of said side rails, said adjustable frame including a rug attaching bar extending substantially from one side rail to the other side rail, said bar having rug attaching hooks thereon, and means to draw said adjustable frame toward the adjacent end rail, said last named means comprising screws journaled in the adjacent end piece and threaded members on the adjustable frame receiving said screws.

2,345,233
ENGINE COOLING APPARATUS
Gordon Patrick Bradley, Vancouver, British Columbia, Canada
Application January 22, 1943, Serial No. 473,234
In Canada December 23, 1942
3 Claims. (Cl. 123—170)



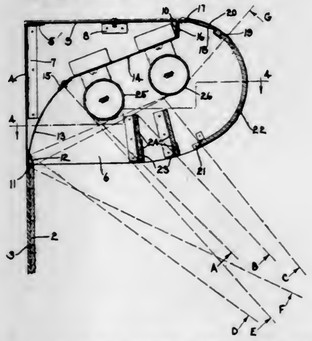
1. Cooling apparatus for internal combustion engines having jackets through which a cooling medium may be circulated, comprising an inlet pipe connected to the jacket of an engine, a portion of said pipe between the ends thereof being elevated above the top of the jacket, an outlet pipe extending from the jacket, pumping means for directing a cooling medium through the inlet pipe, the jacket and the outlet pipe, and a by-pass pipe connecting the elevated portion of the inlet pipe to the outlet pipe, whereby at least some of the cooling medium may pass through the by-pass pipe instead of the jacket.

2,345,234
LIGHTING STRUCTURE
Thomas A. Carter, Jr., Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application May 8, 1939, Serial No. 272,309
8 Claims. (Cl. 240—6)



7. A lighting fixture for elongated fluorescent cylindrical bulbs having end prongs to be engaged with depending socket elements comprising, channel and cover elements of sheet metal, said cover element consisting of an elongated rectangular metal plate having downturned and inturned end flanges, said inturned end flanges carrying downwardly depending socket elements for said bulbs and said cover element carrying between said flanges a choke coil box, and said channel element having openings in the base adjacent to the ends thereof to receive the downwardly depending socket elements carried by said inturned flanges, said channel element also having upstanding side flanges to cover the sides of said cover element.

2,345,235
LIGHTING FIXTURE
Thomas A. Carter, Jr., Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application September 22, 1941, Serial No. 411,831
10 Claims. (Cl. 240—4.2)



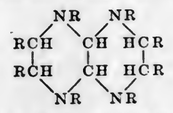
8. A device of the class described comprising a mirror, a light source located above and in front of said mirror so that the upper limit of light rays reflected therefrom will be below the eyes of a person standing before the mirror, a translucent face in front of said light source and extending therebelow, and a translucent louvre below said light source, said face and louvre preventing direct light rays from reaching the face of said person, said face and louvre being both tinted a flesh color.

2,345,236
PROCESS FOR MAKING PIPERAZINE COMPOUNDS
Henry C. Chitwood, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application October 24, 1941, Serial No. 416,353
14 Claims. (Cl. 260—268)

1. Process for making compounds containing the piperazine ring, which comprises subjecting compounds containing the piperazino-piperazine ring system to hydrogenolysis.

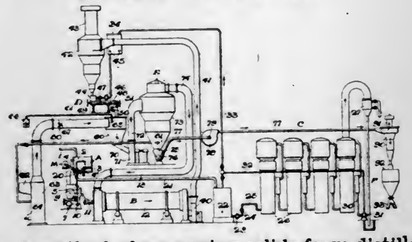
2,345,237
PIPERAZINO-PIPERAZINES
Henry C. Chitwood, Charleston, and Raymond W. McNamee, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application October 24, 1941, Serial No. 416,372
12 Claims. (Cl. 260—268)

1. As new chemical compounds, piperazino-piperazines of the molecular structure:



where R is of the group of hydrogen and monovalent hydrocarbon radicals.

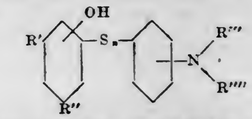
2,345,238
TREATMENT OF DISTILLERY RESIDUES
Leo M. Christensen, Atchison, Kans., assignor to The Chemical Foundation, Incorporated, a corporation of Delaware
Original application July 26, 1938, Serial No. 221,453, now Patent No. 2,225,428, dated December 17, 1940. Divided and this application July 14, 1939, Serial No. 284,562
9 Claims. (Cl. 210—149)



1. A method of recovering solids from distillery slop which comprises filtering the slop on a fixed screen, separately withdrawing the filtrate and screenings, discharging the screenings onto a subjacent vibratory screen and combining the drainings therefrom with the drainings from the first said screen.

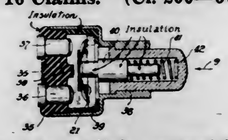
2,345,239
LUBRICATING OIL
Elmer W. Cook, New York, N. Y., and Philip H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 28, 1943, Serial No. 500,426
6 Claims. (Cl. 252—47)

1. A lubricating oil composition comprising a predominating amount of mineral lubricating oil and an effective amount of a compound of the group consisting of those having the general formula:



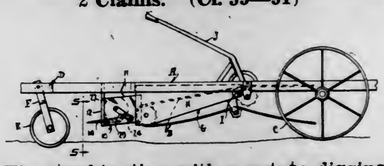
in which R' and R'' are radicals of the group consisting of hydrogen and alkyl radicals at least one being an alkyl radical, R''' and R'''' are alkyl radicals of from 1 to 5 carbon atoms inclusive, and n is a small whole number not greater than 2, and the metal salts of such compounds.

2,345,240
SWITCH
Charles L. Cox, Jr., Sharon Hill, Pa., assignor to Robert Hetherington and Son, Inc., Sharon Hill, Pa., a corporation of Delaware
Application November 5, 1942, Serial No. 464,603
16 Claims. (Cl. 200—67)



2. An electric switch comprising a switch body, two contact members carried by said body and being electrically insulated from each other, a switch membrane for making contact between said contact members, said switch membrane having the shape of a cylinder segment and being supported at a slight distance from said contact members in such a manner that, by pressure on its center, portions of its edge area are flexing into contact with said contact members, and means adapted to exert pressure on the center of said membrane against the concave surface of the membrane, bending thereby said flexible edge portions into contact with said contact members when said switch has to be closed.

2,345,241
POTATO DIGGER
John F. Coyle, Mitchell, Nebr.
Application August 25, 1943, Serial No. 499,940
2 Claims. (Cl. 55—51)

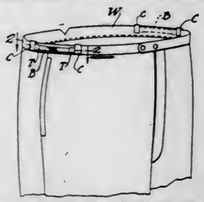


2. The combination with a potato digging implement, of a digging mechanism therefor comprising a pair of side members for attachment to the implement, digging blades secured to the side members, a roller journaled between the side members rearwardly of the blades, and disks journaled at inner side of the side members forwardly of the roller and above the said blades.

2,345,242
GARMENT BELT
James M. Donovan, Chicago, Ill., assignor to Marie A. Donovan, Chicago, Ill.
Application March 20, 1942, Serial No. 435,500
2 Claims. (Cl. 2—237)

2. A supporting belt attachable to a garment waist band including an elastic band and con-

nected thereto a pair of fittings, one at each end of the band and each comprising a terminal secured to the band and, in hinged connection therewith, a spring clip removably attachable over the waist band, the clip being formed with a depending tongue defining to one side thereof a narrow space for accommodation of the waist



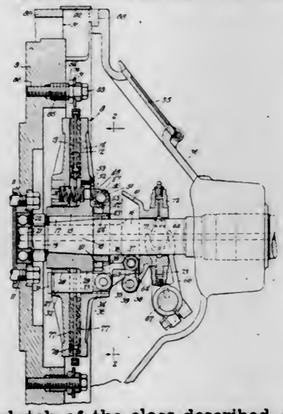
band and the terminal being provided with a toothed lug protruding outwardly toward one side of the waist band for engagement therewith at a point adjacent the clip tongue against which the material of the waist band is compressed whereby to lock the clip fixedly in place thereupon.

2,345,243
AQUATIC FIGURE AND APPARATUS FOR ACTUATING THE SAME
Willard D. Eakin, Northampton Township, Summit County, Ohio
Application May 7, 1942, Serial No. 442,054
14 Claims. (Cl. 46—92)



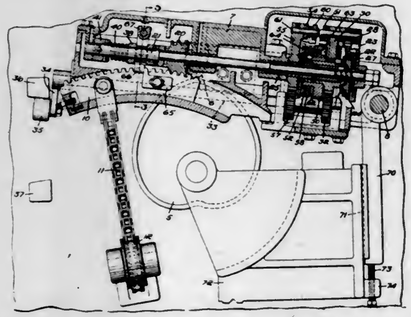
12. An aquatic figure embodying the Cartesian diver principle and comprising a body, a diaphragm actuated by change of pressure of liquid externally contacting the body and contacting the diaphragm, a fixed amount of a gaseous substance cushioning the diaphragm, and means for causing movement of the diaphragm to effect upward movement of a non-gaseous substance in relation to the body.

2,345,244
CLUTCH OPERATING MECHANISM
Clarence M. Eason, Waukesha, Wis.
Original application September 4, 1940, Serial No. 355,331. Divided and this application August 7, 1941, Serial No. 405,745
6 Claims. (Cl. 192—68)



1. In a clutch of the class described, the combination of a pair of cooperating clutch elements, one of which is shiftable, pull pins connected to shift said shiftable clutch element, rocker members pivotally connected at their forward ends to said pull pins, toggle links pivotally connected to the other ends of said rocker members, a shiftable clutch operator operative to oscillate said toggle links, fulcrum projections on said rocker members intermediate the ends thereof, an internally threaded abutment ring against which said fulcrum projections react, and an externally threaded mounting ring over which said abutment ring threads, and along which it is adjustable, said mounting ring transmitting reaction pressure to the other of said clutch elements.

2,345,245
BUILDER MOTION FOR SPINNING AND TWISTER FRAMES
Sven E. Edfors, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application December 10, 1941, Serial No. 422,359
18 Claims. (Cl. 242—43.4)



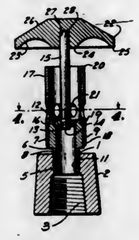
1. In a twister frame, the combination with a ring rail, a spindle rail cooperating therewith, and spindles mounted thereon and adapted to hold thread supporting cores, of mechanism for producing traversing movements of said ring rail to wind thread on the entire lengths of said cores, additional mechanism cooperating with the first mentioned mechanism for gradually reducing the length of said traversing movements and then gradually increasing it again, a counting mechanism actuated by said first mentioned mechanism and mechanical connections between said counting mechanism and said additional mechanism whereby the former controls the operation of the latter.

2,345,246
EXPANSIBLE MANDREL
Paul P. Elka, Minneapolis, Minn.
Application February 11, 1943, Serial No. 475,580
3 Claims. (Cl. 242—72)



1. In an apparatus of the class described, a supporting member, bearing means on said member, a mandrel supported at one end in said bearing means, whereby a hollow core may be fitted onto the mandrel, an axial bore in the mandrel, a plurality of guide openings in the wall of the mandrel, a plurality of jaws mounted in said guide openings, an actuating rod mounted in said bore and having means thereon adapted to engage said jaws to move them outwardly into engagement with a piece of work positioned on the mandrel, when the rod is moved in one direction, telescoping members, one connected to the bearing-supported end of the mandrel and the other to the adjacent end of the actuating rod, said latter telescoping member being axially movable with respect to the mandrel, a crosshead operatively connected to the axially movable telescoping member, spaced guides for receiving the ends of the crosshead, and a pivoted operating lever having one end pivotally connected to the crosshead, whereby when the operating lever is oscillated, the axially movable telescoping member is operated to axially move the actuating rod within the mandrel, thereby to expand or contract the jaws.

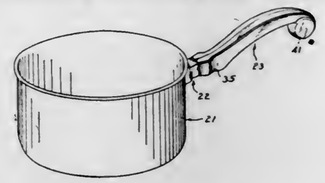
2,345,247
GAS BURNER
Arthur F. Erickson, San Francisco, Calif.
Application March 27, 1940, Serial No. 326,194
1 Claim. (Cl. 158—113)



A burner including, a nipple having an integral head provided with a plurality of relatively fine gas outlet orifices arranged in circular series about an axial opening in the head of said nipple, a Bunsen tube sleeved over said head for support by said head and having a plurality of air inlet openings located above said gas outlet orifices for admitting jets of air into contact with jets of gas discharged through said orifice, a flame deflector having a rim portion extending beyond the periphery of the Bunsen tube and provided with a downwardly facing annular recess forming a secondary mixing chamber encircling a central downwardly facing socket, and a rod-like support extending coaxially through the Bunsen tube and having its lower end fixed within the axial opening in said head and having its upper end projecting from the Bunsen tube and engaged in the socket of the flame deflector to space the flame deflector from the Bunsen tube, said rod-like support cooperating with the Bunsen tube to form an annular primary air mixing chamber and for conducting heat through the mixing chamber to heat said head.

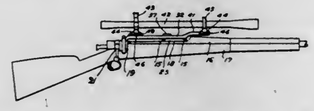
2,345,248
MOUNTING FERRULE AND HANDLE FOR UTENSILS
Simon W. Farber, Brooklyn, N. Y.
Application April 27, 1940, Serial No. 331,929
4 Claims. (Cl. 16—114)

1. In means attached to a utensil for lifting and carrying the same, a combined ferrule and handle mount having a base flange secured to the utensil, a pocket, an angle producing spacing step between the pocket and flange, and a sleeve of considerable length, a handle having a shank interfitting with the sleeve for a major portion of its length, an enlarged finger guard adjacent the shank, a reduced flattened neck portion, a body extending outwardly from said neck, the sides of the body being bowed outwardly and the body being arched upwardly on both its top and bottom and having flat sides and top and bottom, and an enlarged depending knob at the outer end



of the arched body and extending below the same, the sides of the inner portion of the body being tapered outwardly and of the outer portion of the body and the knob being tapered inwardly from top to bottom, a nut fitting in the pocket of the ferrule, and a bolt extending through the shank only of the handle and secured in said nut.

2,345,249
TELESCOPIC SIGHT MOUNT FOR RIFLES
Peter Ferriroli, San Francisco, Calif.
Application April 1, 1942, Serial No. 437,137
4 Claims. (Cl. 33—50)

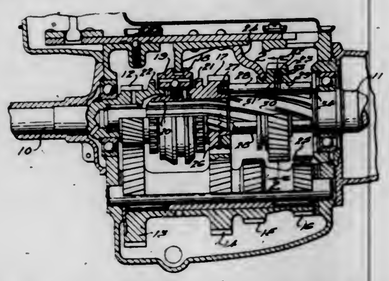


1. In a mount for telescopic rifle sight for rifles having removable rear sight base turnable around a fixed pivot under retaining flanges, a removable base for the mount, end flanges on said mount base fitting under said retaining flanges so that when said mount base flanges engage the undersides of said retaining flanges the top of the mount base is substantially contiguous with the top of the retaining flanges, said mount base having an aperture therethrough engaging the base pivot around which said mount base is turnable into position for engagement with said retaining flanges, a mount bar, a locating stud extended from the mount bar into said pivot aperture of the mount base, and a set screw extended through said mount bar and threaded into said mount base for tightening the mount base and the mount bar against the opposite sides of the both of said retaining flanges, said mount base having a hole in it into which said set screw is threaded, said hole being so aligned with respect to said aperture as to locate said mount bar in alignment with said retaining flanges.

2,345,250
SYNCHRONIZER
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 30, 1941, Serial No. 417,089
7 Claims. (Cl. 74—339)

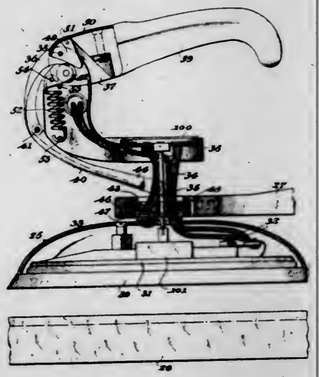
1. In a transmission having axially aligned driving and driven shafts; countershaft gearing adapted to be driven from said driving shaft and comprising a pair of countershaft gears; a first driven gear loose on the driven shaft and in constant mesh with one of said pair of countershaft gears; a clutch element drivingly connected with

the driven shaft and adapted to clutch this shaft with said first driven gear thereby to provide a speed reduction drive from the driving shaft to the driven shaft; a second driven gear splined on the driven shaft and adapted for shift therealong to mesh with the other of said pair of countershaft gears thereby to provide another speed



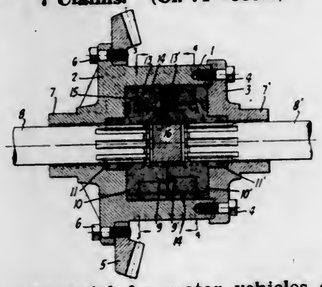
reduction drive from the driving shaft to the driven shaft; means operable to shift said second driven gear into and out of engagement with said other countershaft gear; and means operating as an incident to operation of said shift means for frictionally connecting said first driven gear with said second driven gear prior to engagement of said second driven gear with said second countershaft gear.

2,345,251
IRONING DEVICE
Edwin E. Foster, Austin, Tex.
Application August 29, 1939, Serial No. 292,477
15 Claims. (Cl. 38—30)



1. An ironing device comprising an iron, means for supporting the iron over an ironing surface so that the iron may be moved horizontally, means whereby the iron may be moved vertically relative to the supporting means, a bracket secured to the iron and having a handle pivoted thereto, means in the bracket to counterbalance the iron on the supporting means, and a cam and lever device in the bracket and handle effective on the supporting means and bracket to multiply the force of the weight of an operator's hand to create the ironing pressure, said last-mentioned means including a force transmitting lever pivoted to the bracket and having one end cooperating with the handle and the other end secured to the supporting means.

2,345,252
DIFFERENTIAL
William M. Fountain, San Francisco, Calif., assignor, by mesne assignments, of one-fourth to William F. Wood, Piedmont, Calif.
Application June 24, 1941, Serial No. 399,470
7 Claims. (Cl. 74—389.5)



1. A differential for motor vehicles comprising; two axles in alignment with each other; an eccentric member fixed to each of said shafts; an annular radially outwardly projecting flange integral with each eccentric, concentric with each axle; a wedging eccentric strap mounted on each of said eccentric members adjacent each of said flanges; a concentric drum-like housing enclosing said members, straps and flanges; the diameter of said housing being such as to provide a working clearance between said eccentric straps and said drum.

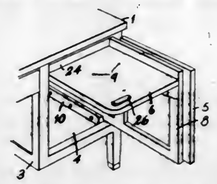
2,345,253
PORTABLE DERRICK
Frank A. Funk, Tulsa, Okla., assignor to American Steel Derrick Company, Tulsa, Okla., a corporation of Oklahoma
Application December 28, 1940, Serial No. 372,057
9 Claims. (Cl. 189—15)



1. A drilling derrick including, a base having a winding drum supported thereon, a derrick tower comprising laterally arranged interconnected sections adapted for connection when in reclining position, a crown pulley carried at the top of the derrick tower, means connecting lower ends of said sections with the base for pivotal movement from said reclining position to an erect position, a travelling block, a drilling line reeved over the crown pulley and travelling block and having one end anchored relatively to the base and the other end connected with the winding drum, a gin-pole supported on the base, a sling connecting the travelling block with the gin-pole, and means for rotating the winding drum to raise said derrick tower from reclining to an erect position on said base.

2,345,254
TYPEWRITER DESK
John B. Graff, Grand Rapids, Mich., assignor to Gunn Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application April 6, 1942, Serial No. 437,814
8 Claims. (Cl. 312—29)

1. The combination in a typewriter desk including a compartment, of a table slide, a slideway for said table slide mounted within said compartment, a table hingedly mounted on said slide to collapse at the inner side thereof, the rear end of the table being provided with a rearwardly directed wedge-shaped tongue, and supporting means for said table when it is in its horizontal

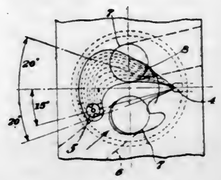


position including a forwardly facing slot adapted to receive a portion of the table when the slide is pushed inwardly with the table in horizontal position, said slots terminating in a forwardly facing V-shaped recess wedgingly receiving said tongue on said table.

2,345,255
DENTAL IMPRESSION COMPOUND
Charles Victor Gross, Penfield, Pa., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
No Drawing. Application June 19, 1940, Serial No. 341,295
6 Claims. (Cl. 18—47)

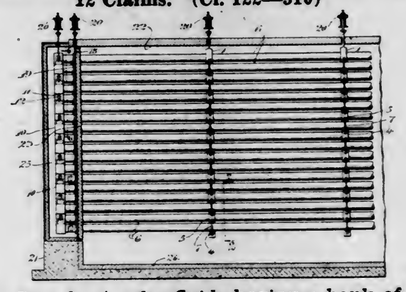
1. A dry composition adapted upon mixing with water to form an impression paste capable of setting to an elastic solid, comprising an algin in the form of a fine powder, powdered calcium borate in the proportion of 1 to 20 percent of the weight of the gum, and a powdered inert filler in a quantity of 3 to 25 times the weight of the gum, said ingredients being intimately mixed together.

2,345,256
INTERNAL COMBUSTION ENGINE OF THE SOLID INJECTION TYPE
Folke Gustaf Hjalmar Hedlund, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Riverside, Conn., Chester A. Adee, Port Washington, N. Y., and George Carlson, New York, N. Y., as trustees
Application July 2, 1941, Serial No. 400,746
In Sweden July 18, 1940
3 Claims. (Cl. 123—32)



1. The method of operating an internal combustion engine of the injection type having a combustion chamber provided with a timed ignition device therein which includes introducing an air charge into said chamber to rotate therein at a rate varying with variations in engine speed, directing a first fuel jet transversely of the rotating air charge toward said ignition device to be ignited thereby when said jet is substantially undeflected due to a relatively low rate of air rotation and directing a second fuel jet transversely of the rotating air charge toward a place in said chamber in advance of said ignition device with respect to the direction of air rotation so as to be carried to said ignition device and ignited thereby only when said second jet is laterally deflected by a relatively high rate of air rotation which simultaneously operates to deflect said first jet laterally away from said ignition device.

2,345,257
TUBE SUPPORT
Walter C. Hensel and Lev A. Mekler, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 29, 1941, Serial No. 421,019
12 Claims. (Cl. 122—510)



1. In a heater for fluids having a bank of tubular fluid conduits disposed within a heated zone of the structure and provided at their ends with terminal fittings which connect adjacent tubes of the bank and are disposed outside said heated zone, means comprising bare metal members disposed within said heated zone for supporting said tubes intermediate their ends, means comprising metal tube sheets insulated from said heated zone for separating the latter from that zone of the structure in which said terminal fittings are disposed, and means loosely interconnecting said terminal fittings when the intermediate supports are cold and which tighten to support the tubes at their ends when the intermediate supports are hot.

2,345,258
ROLLER SKATE WHEEL
Robert August Hirschmugl, Chicago, Ill.
Application February 8, 1940, Serial No. 317,822
6 Claims. (Cl. 301—5.3)

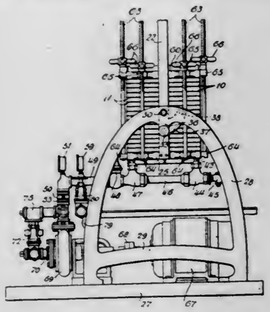


1. A roller bearing wheel of the class described comprising a wheel having a central opening therethrough, a cup-shaped recess in each side of said wheel, a metal bushing having a conical edge completely seated within each cup-shaped recess, each bushing having a central opening concentric with the central opening in the wheel, and each bushing having a plurality of lugs around its outer edge which lugs and conical edges extend into the walls of said cup-shaped recesses.

2,345,259
SWINGABLE FILTER
Charles E. Hunziker, Paterson, N. J.
Application July 17, 1941, Serial No. 402,746
6 Claims. (Cl. 210—188)

1. A filter having a plurality of filter frames adapted to be placed side by side, two covers on

opposite sides of said filter frames, said frames and said covers having interengaging sleeves provided with openings which communicate with spaces between the frames, said sleeves forming inlet and outlet passages for a circulating liquid, means engaging said covers for clamping and unclamping said filter frames, projections upon opposite sides of said frames, supporting rods extending on two opposite sides of said frames, said projections riding upon said supporting rods in a loading position of said frames to support said frames individually in said position when said frames are unclamped and hang downwardly, at least one bar extending parallel to said supporting rods and at a distance therefrom, said



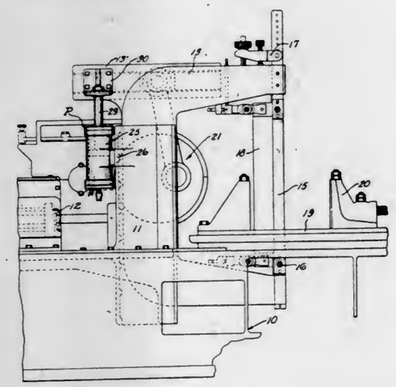
bar having ends firmly connected to the ends of one of said supporting rods, said bar having a locking opening formed therein for locking said bar in said loading position, an extension piece carried by said bar and having another locking opening formed therein for locking said bar in an operating position, a swivel pin carried by said bar, at least one stand comprising a support for said swivel pin, a locking bolt carried by said stand and adapted to project into any one of said locking openings for locking said bar along with said frames in said loading and operating positions, a spring situated within said stand and engaging said locking bolt for pressing it against said bar, and a pin connected with said locking bolt and projecting outside of said stand.

2,345,260
CLOCK
Christian Jauch, Winsted, Conn., assignor to William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut
Application February 28, 1941, Serial No. 381,069
4 Claims. (Cl. 58—125)



1. In a clock of the character described, a casing, a clock mechanism within the casing including a rear supporting plate, a minute shaft extending rearwardly of said rear supporting plate, a gear carried by said shaft, an auxiliary shaft concentric with and rotatably mounted on the extending end of said minute shaft, a gear carried by said auxiliary shaft, a first gear train for interconnecting said minute shaft gear and said auxiliary shaft gear whereby said auxiliary shaft will be operated in the same direction as the minute shaft, a second gear train for connecting said minute shaft gear to said auxiliary shaft gear whereby said auxiliary shaft will be operated in a direction reverse to the minute shaft, and means for alternately bringing said gear trains into operative relation with said minute shaft gear and said auxiliary shaft gear.

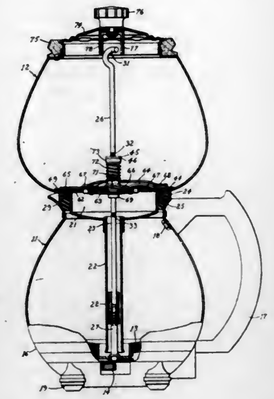
2,345,261
POWER-DRIVEN HACK SAW MACHINE
Otto M. Jensen, Racine, Wis., assignor to Peerless Machine Company, Racine, Wis., a corporation of Wisconsin
Application September 20, 1941, Serial No. 411,662
2 Claims. (Cl. 29—74)



1. A power-driven sawing machine comprising a stationary frame, a feed carriage movably mounted thereon, a saw frame guided on said feed carriage for reciprocal movement transversely with respect to the movement of the stationary frame, a cylinder carried by said feed carriage having its axis substantially parallel to the axis of movement of said saw frame, a piston in said cylinder, and a piston rod for actuating said piston, said rod having its protruding end secured to said saw frame, said cylinder being provided with a check valve, said piston having a length of travel in said cylinder sufficient to compress air in said cylinder upon movement of said frame to one extreme of its travel to raise the pressure in said cylinder to approximately two atmospheres, and means for imparting reciprocal movement to said saw frame and feeding movement to said feed carriage.

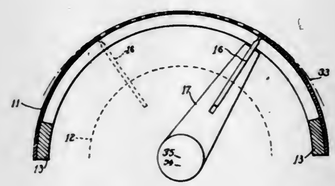
2,345,262
FILTER ASSEMBLY FOR COFFEE MAKERS
Ivar Jepson, Ludvik J. Koci, and Eric Bylund, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application December 6, 1940, Serial No. 368,758
17 Claims. (Cl. 99—292)

1. In a device of the character described, the combination of a heating pot, a coffee bowl adapted to seat in the top of said pot, said bowl having a depending tube for communication between the pot and bowl, a filter assembly comprising a lower frame, a cloth filter supported on the said frame, an upper frame, means for releasably locking the said frames together to hold the filter cloth therebetween, means for securing the said frames in the bottom of the said bowl, and resilient means tensioning the upper frame against the filter cloth whereby upon the existence of predetermined pressure beneath the



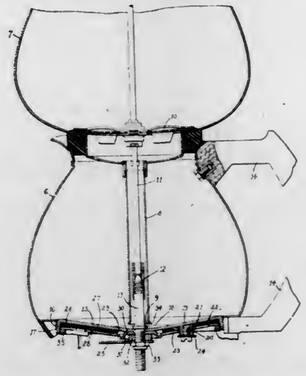
said filter cloth the upper frame will be upwardly displaced by the said filter cloth permitting the escape of compressed liquid and gases into the bowl.

2,345,263
DRY SHAVER
Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application May 18, 1942, Serial No. 443,366
6 Claims. (Cl. 30—43)



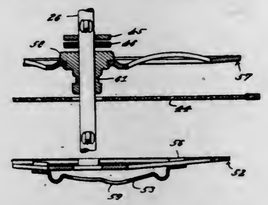
5. In a shaving device, a comb plate arched transversely of its length and having closely positioned hair receiving openings throughout a shaving area, each opening bounded by a continuous skin supporting edge and being of a shape having substantially the same maximum dimension taken at right angles one dimension with respect to the other, said openings in a portion of said area being of relatively small size adapted for close shaving, said openings in a portion of said area arcuately spaced from the first mentioned portion being of relatively large size adapted for long hair cutting, said openings in an intermediate portion of said area being of a size intermediate said small and large openings, the thickness of the comb plate gradually increasing from a minimum in the first mentioned portion to a maximum in the second mentioned portion, and a cutter coacting with the inner side of the comb plate for rapid movement in cutting coaction with edges of said openings whereby to simultaneously effect close shaving and long hair cutting upon movement of the comb plate in the direction of its curvature in a shaving stroke of the device.

2,345,264
COFFEE MAKER
Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application March 9, 1942, Serial No. 433,917
4 Claims. (Cl. 219—44)



1. An electrically heated vessel having a bottom wall gradually sloping from its peripheral portion to the center, an electric heating element applied to the underside of said bottom wall, an upper vessel having a tube depending into the lower vessel into close proximity to the center of the bottom wall for discharging water from the lower vessel to the upper vessel except for a small residue in a shallow well formed between the low center portion of the bottom wall and the lower end of the tube, and a thermostat blade beneath the heating element connected through a heat conducting stud directly to the bottom wall, the stud being joined to the bottom wall at a localized portion located beyond the area of said residue water.

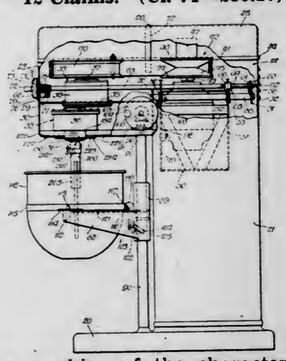
2,345,265
FILTER ASSEMBLY FOR COFFEE MAKERS
Ivar Jepson, Chicago, and Eric Bylund, Genoa, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Original application December 6, 1940, Serial No. 368,758. Divided and this application September 3, 1942, Serial No. 457,242
6 Claims. (Cl. 210—185)



1. A filter assembly comprising a rod having axially spaced abutments, a sleeve freely slidable axially and rotatably on the rod between said abutments, an upper frame fixed to said sleeve, a lower frame, a filter disc interposed between the frames and being imperforate except for a center opening to receive the sleeve, each frame having an annular surface near the center for clamping the interposed filter disc to provide an effective seal around its center opening, each

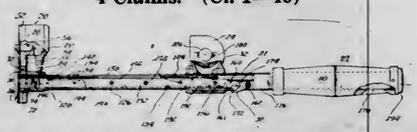
frame having a marginal portion for engaging the interposed filter disc and a perforate portion entered from its marginal portion for passage of liquid through the filter, means operative between the sleeve and the lower frame to detachably connect the lower frame in coaction with the upper frame to clamp the interposed filter disc between said annular surfaces, the lower frame and the filter disc being removable over the lower end of the rod, and a thrust bearing between the upper abutment and the adjacent end of the sleeve.

2,345,266
MIXING MACHINE
Edward J. Karp, Cicero, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill., a corporation of Illinois
Application April 25, 1941, Serial No. 390,229
12 Claims. (Cl. 74—230.17)



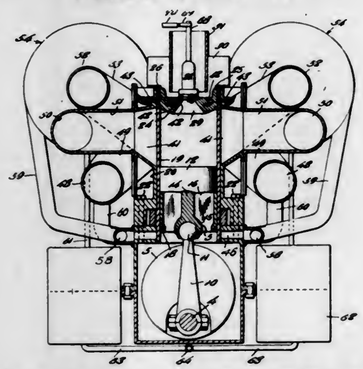
1. In a machine of the character described comprising a housing and a drive shaft and a motor with driving connections between the drive shaft and the shaft of the motor variable in speed by adjustment of said motor toward and away from said shaft, supporting and guide rods removably mounted in said housing and confined against endwise movement, a carriage for said motor supported by and slidable on said rods toward and away from said drive shaft, said rods being disposed outwardly beyond the motor and accessible from the exterior of said housing providing holds by means of which said rods and carriage and parts carried thereby may be removed from and replaced in said housing as a unit, and means for adjusting said carriage along said rods.

2,345,267
STAPLER
Henry Keil, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application May 4, 1942, Serial No. 441,656
4 Claims. (Cl. 1—49)



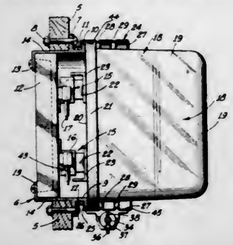
1. A magazine stapler of the type having a striking member for initially engaging the work, a hammer member movable relatively to the striking member for driving a staple into the work, a magazine for holding a plurality of staples, and a staple feed for advancing staples from the magazine into the path of travel of the hammer member; characterized by an inertia member rigidly secured to the hammer member, a rack and pinion connection between the striking member and the inertia member causing the inertia member and the hammer member carried thereby to continue movement after movement of the striking member has been stopped by engagement with the work, and means permitting relative movement between the inertia member and the rack and pinion connection after the rack and pinion connection ceases to function.

2,345,268
INTERNAL COMBUSTION ENGINE
Fred L. Knowles, Fort Dodge, Iowa
Application April 18, 1942, Serial No. 439,601
7 Claims. (Cl. 123—80)



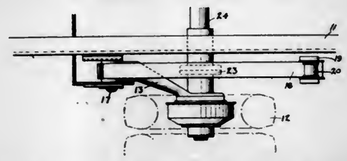
1. In an internal combustion engine, a crank case, a crank shaft in said case, cylinders in line on said case, sleeve valves rotatable in one direction in said cylinders, reciprocating pistons in said valves and operatively connected to said crank shaft, diametrically opposite series of ports in each cylinder, each series comprising an exhaust port, a fuel intake, and a supercharge inlet port arranged successively in each series in the order named and in the direction of rotation of said valves, diametrically opposite series of vertically spaced ports in the sleeve valves, and operating connections between said crank shaft and valves for rotating the series of ports therein past the series of ports in said cylinders.

2,345,269
CLAMP
George Lackey, Whittier, Calif.
Application April 7, 1941, Serial No. 387,200
14 Claims. (Cl. 175—223)



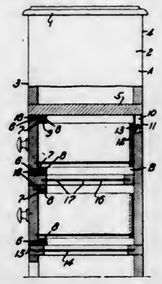
1. In a clamp for a device having a peripheral flange, a rim, and two pairs of retaining elements associated with the rim and restricting the bore thereof for the selective engagement of the flange of the device to be clamped.

2,345,270
VEHICLE SPRING SUSPENSION
Alphonse J. Lavoie, deceased, late of Defiance, Ohio, by Charles E. Lavoie and Edward H. Fauver, administrators, Defiance, Ohio
Application July 23, 1940, Serial No. 346,928
3 Claims. (Cl. 267—19)



1. In a vehicle, a vehicle frame, a pivot positioned transversely of the said frame and secured thereto, an arm pivotally mounted on said pivot and extending rearwardly therefrom, an axle positioned on the said arm, a spring supporting bracket formed on said arm over the said pivot, a spring secured at one end to the said bracket and adapted to arch over above the said axle; a roller bracket positioned on the uppermost surface of the free end of the said spring and a roller movably positioned thereon adapted to roll upon a downwardly bowed track member formed beneath the said vehicle frame.

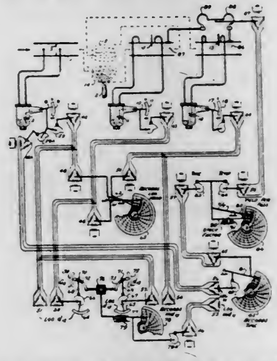
2,345,271
AROMA TIGHT DRAWER
Laurence K. Loftin and Thomas D. Tinnin, Altavista, Va., assignors to The Lane Company, Inc., Altavista, Va., a corporation of Virginia
Application November 5, 1941, Serial No. 417,944
9 Claims. (Cl. 312—149)



5. Furniture comprising a case and at least one drawer slidable therein, a check valve closing an opening in a wall of the case adapted to permit a flow of air under pressure from the interior of the case to the outer atmosphere upon closing the drawer and to prevent flow of air in the opposite direction, and a flexible diaphragm in at least one wall of the case supported by its edges extending slidably at all sides into grooves in a fixed part of the case.

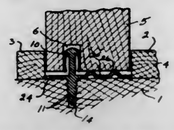
2,345,272
DENSITY MEASURING APPARATUS
John F. Luhrs, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application April 6, 1940, Serial No. 328,186
5 Claims. (Cl. 265—44)

1. In a fluid heater through which a fluid is continually passed under pressure without change in weight rate of flow while being heated, apparatus adapted to continuously determined the in situ density of the fluid after it has been heated, characterized by, means in the flow path at the entrance to the heater and after the heating separately measuring the velocity of fluid flow, a transmitting generator associated with each of



said means, means for positioning said generators in relation to logarithmic functions of said measurements, a receiving motor positioned in accordance with the difference in positions of the generators, and means positioned by the said receiving motor in antilogarithmic relation to the position of the motor.

2,345,273
WEATHER STRIP
Louis A. Macklanburg, Oklahoma City, Okla.
Application February 20, 1942, Serial No. 431,723
9 Claims. (Cl. 20—69)

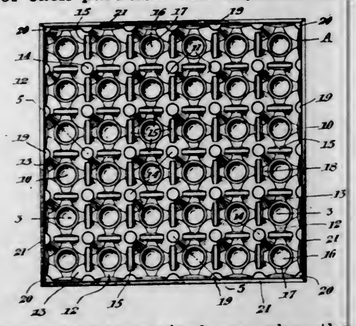


1. An extruded weather strip for sealing between adjacent faces of a window frame and a sliding window sash, said strip including the following continuous integral parts: a detent portion having a plurality of longitudinally extending laterally projecting ribs, said detent portion adapted to be pressed into a groove in one of said faces and the ribs adapted to frictionally engage a side wall of said groove; a rigid body portion co-extensive with said detent portion; and a resilient wing portion attached to the body portion and extending in a lateral direction from the same for sealing engagement with the other of said faces.

2,345,274
MOLDED PULP EGG PACKING DEVICE
Frederick W. Manson, Toronto, Ontario, Canada
Application December 11, 1939, Serial No. 308,703
3 Claims. (Cl. 217—26.5)

1. An egg carrier which is molded from fibrous material and is adapted to contact with eggs only on one side and has, on that side only, projecting posts formed with sloping sides and blunt tops so arranged that each group of four is adapted to support a single egg and a plurality of flat surfaced partition walls pressed from the base, each wall extending upwardly from the base substantially to the top of each post to bound an egg compartment formed between each four

posts, and concavities formed in the opposite faces of each partition wall adjacent its centre



to accommodate large sized eggs when the walls of the posts are distorted outward by the egg when inserted in the egg compartment.

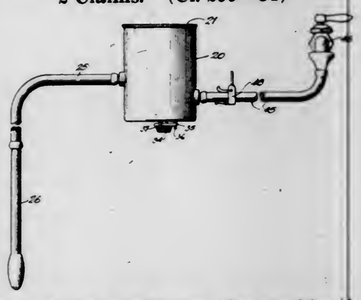
2,345,275

DOUCHE APPLIANCE

Thomas L. Marvin, Chicago, Ill.

Application February 12, 1941, Serial No. 378,604

2 Claims. (Cl. 299—84)



1. In a douche appliance, the combination of a casing provided in its upper portion with a medicament chamber and provided in its lower portion with a water channel communicating with the medicament chamber through inlet and outlet ports, a valve member extending transversely of the water channel and provided at its upper end with a disc shaped portion adapted in its lower position to close said ports, a pair of transverse intersecting bores of different diameters through the valve for alignment with the said channel, means to raise the valve so as to open said ports to provide for an inflow from the water channel to the medicament chamber through the inlet port and thence through the outlet port back to the water channel while water flows in the channel through the small bore or to lower the valve and thereby close the ports while permitting a greater channel flow through the large bore.

2,345,276

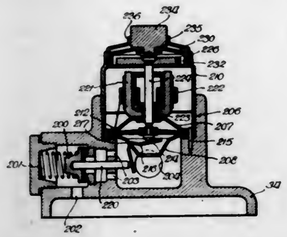
THERMOELECTRIC SAFETY DEVICE

Lourdes V. McCarty, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Original application April 25, 1941, Serial No. 390,247. Divided and this application December 6, 1941, Serial No. 421,855

4 Claims. (Cl. 175—336)

1. In a device of the character described, a housing having its lower wall dished upward providing a substantially rigid support spaced inward from the periphery of said lower wall, a flexible diaphragm extending across the lower end of said housing providing a fluid tight seal therefor and disposed beneath said support for upward flexure thereinto, an electromagnet mounted on said support within said housing, a stem mounted in said housing for rectilinear



movement disposed entirely above said diaphragm, and an armature attached to said stem, the latter cooperating with said diaphragm for flexing said diaphragm downward when said armature is attracted by said electromagnet and said dished support accommodating upward flexing of said diaphragm when said armature is in retracted position away from said electromagnet.

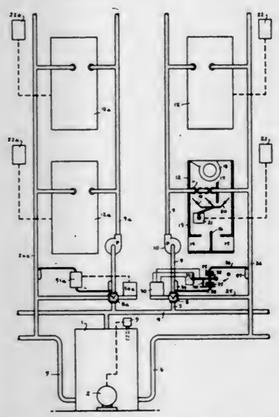
2,345,277

AIR CONDITIONING SYSTEM

William L. McGrath, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 18, 1941, Serial No. 411,348

7 Claims. (Cl. 257—2)



1. In a system of the class described, in combination, a heat exchange device through which heat exchange fluid is passed for controlling the temperature of a medium, a first controller for graduatingly controlling the flow of said medium across said heat exchange device, a second controller for controlling the temperature of the heat exchange fluid circulated through said heat exchange device, and means responsive to the differential in temperature of the heat exchange fluid before and after it flows through said heat exchange device for controlling said second controller.

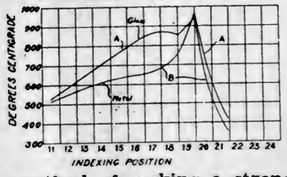
2,345,278

METHOD OF SEALING GLASS TO IRON

Albert J. Monack, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 2, 1942, Serial No. 429,171

8 Claims. (Cl. 49—81)



1. The method of making a strong hermetic seal between glass and a readily oxidizable metal, comprising heating the metal and the glass to only the molding and sealing temperature of the glass, pressing the softened glass against the metal and then directly heating only the metal to a temperature about 10% above the sealing temperature of the glass.

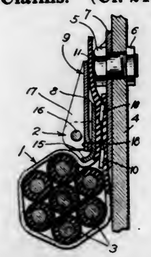
2,345,279

WIRE SUPPORTING CLIP

Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application February 9, 1943, Serial No. 475,304

6 Claims. (Cl. 248—68)



6. In a supporting clip for wires or conduits, a flexible strap of non-metallic compressible material adapted to be wrapped around a wire or conduit or a group thereof to form a supporting and cushioning loop therefor with the end portions of the strap extending outwardly from the loop and subject to being clamped together for constricting the loop portion and fastening it on a support, a clamp body member, means carried by said body member for fixing an end portion of the strap thereto, ears on said body portions, a movable jaw supported by and between said ears for movement toward and away from said body portion to clamp and release the other end portion of the strap, and a jaw actuating lever pivoted on said ears and engaging said movable jaw.

2,345,280

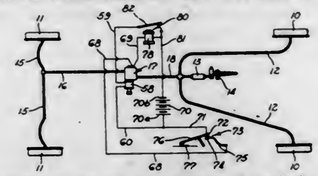
HYDRAULIC BRAKE CONTROL SYSTEM

Earl B. Morgan and Joe F. Woods, Los Angeles, Calif.; said Woods assignor to said Morgan

Application September 16, 1940, Serial No. 356,944

10 Claims. (Cl. 192—3)

1. In a hydraulic brake system for an automotive vehicle, the vehicle having a motor and accelerator means for controlling the speed of the motor, the combination of: fluid operated brake means; a source of fluid under pressure; piping connecting said source of fluid and said brake means; check valve means in the line of said piping adapted to retain in said brake means fluid conveyed thereto from said source of supply; means for opening said check valve means in response to actuation of the accelerator means



of the vehicle, so as to release the fluid pressure from said brake means; and means whereby the flow of fluid through said piping can be shunted around said check valve means.

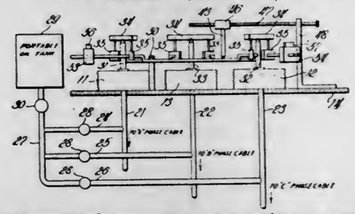
2,345,281

ADJUSTABLE VARIABLE DIFFERENTIAL PRESSURE APPARATUS

Ted B. Morse, Chicago, Ill.

Application August 30, 1939, Serial No. 292,667

11 Claims. (Cl. 74—1)



1. Differential pressure apparatus comprising, in combination, at least three pressure responsive elements, each element being adapted to be connected to a separate and distinct pressure source so as to exert a force in accordance with the pressure of its pressure source, two levers for each element pivoted intermediate their ends for interconnecting it with two other elements, a rigid member individual to each element and operatively connected to both levers individual thereto for substantially equally dividing between said rigid arms said force resulting from the pressure applied to the element, and adjustable weight means cooperating with at least one of said levers for varying the minimum pressure to which said one lever is operatively responsive.

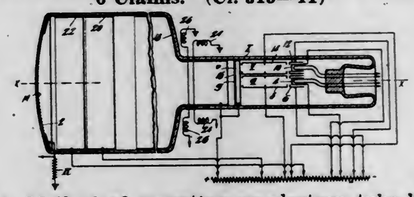
2,345,282

TELEVISION PICKUP TUBE

George A. Morton, Haddon Heights, and Leslie E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware

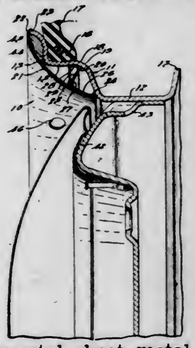
Application August 29, 1941, Serial No. 408,882

6 Claims. (Cl. 315—11)



1. Method of operating an electron tube having a mosaic electrode adapted to permit the impress of an optical image thereon, said method comprising scanning said mosaic with a beam of low velocity electrons, establishing an auxiliary source of electrons in said tube, and drawing electrons from said auxiliary source to said mosaic only when the intensity of the rays comprising said optical image exceeds a predetermined value.

2,345,283
ORNAMENTAL SHEET METAL BAND
William A. Mulhern, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 29, 1941, Serial No. 412,798
6 Claims. (Cl. 41—10)



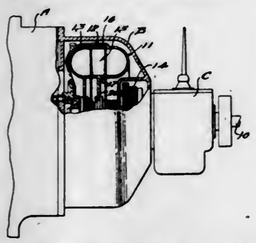
2. An ornamental sheet metal band adapted to be disposed adjacent the inner side of a vehicle tire rim having a drop-center channel and a stepped side wall provided with a circumferentially extending outwardly convexed and inwardly concaved hump including a transversely arcuate body portion of generally frusto conical shape, having an edge portion engageable with said rim, and a retaining member fixed to the inner edge portions of said band comprising a sheet metal ring having a plurality of resiliently deflectable tongues extending from its periphery and provided with free end portions adapted to extend into the concaved side of said hump for detachably holding said band on said rim, each of said tongues having a reverse bend adjacent said band and the portion thereof projecting from said bend extending inwardly toward the central radial plane of said rim at an inclination to said plane in order to accommodate flexure about said bend without compressing said projecting portion in a direction transversely of its thickness during outward displacement of said band from said rim.

2,345,284
PIPETTE WASHING APPARATUS
Elmer E. Myers and Earl E. Beohm, Philippi, W. Va.
Application April 2, 1942, Serial No. 437,432
2 Claims. (Cl. 137—106)



1. In an apparatus for washing pipettes, a vertical vessel, a combined inlet and outlet pipe extending along the side of the vessel and being in communication with the vessel through the bottom thereof, a discharge pipe spaced from the combined inlet and outlet pipe and disposed in parallel relation therewith, a siphon head connecting the upper ends of the pipes and establishing communication between the pipes, a vertical water feed pipe extending into the siphon head, the discharge end thereof being disposed above the upper end of the combined inlet and outlet pipe in line therewith, the water-feed pipe being of a diameter appreciably less than the diameter of the combined inlet and outlet pipe, and the siphon head adapted to create a siphonic action of the water in said combined inlet and outlet pipe when the water flows from the combined inlet and outlet pipe, through the discharge pipe.

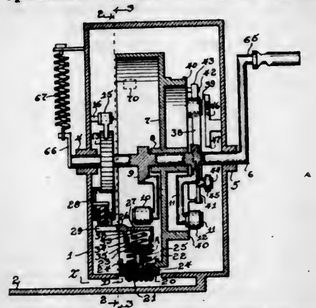
2,345,285
APPARATUS FOR FABRICATING FLUID COUPLINGS
Gordon R. Pennington, Bloomfield Hills, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application May 12, 1941, Serial No. 393,057. Divided and this application October 20, 1941, Serial No. 415,712
4 Claims. (Cl. 29—23.5)



1. Apparatus for fabricating a multi-vaned rotatable fluid power-transmitting structure of the type having a pair of vane-connected carriers disposed in relatively spaced relation one within the other, comprising, a support structure, means carried by said support structure for receiving one of said carriers in fixed position, means for locating said vanes in circumferentially spaced relation with respect to each other with one end of said vanes generally radiating from said one carrier, a yielding annulus structure adapted to engage said radiating ends of said vanes for stressing the vanes in a direction toward said one carrier, and means for coincidentally displacing said yielding annulus structure from said radiating vane ends and applying the other of said carriers into position concentrically with respect to said one carrier while maintaining said vanes stressed by said yielding annulus structure.

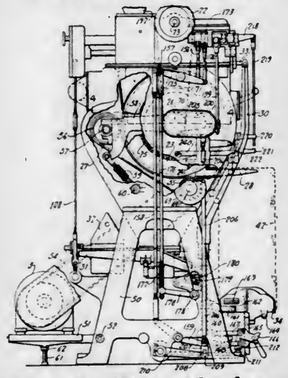
2,345,286
COIN CONTROLLED PRINTING MEANS
Adolphe C. Peterson, Minneapolis, Minn.
Application March 7, 1940, Serial No. 322,789
14 Claims. (Cl. 194—1)

1. In a coin controlled printing means, a series of stamping elements, a motor means to move elements of the stamping means successively and singly into an imprinting position, an escapement means permitting said movement of stamping elements successively and singly into the imprinting position and away therefrom, an actuation means for imprinting operation of an element in the imprinting position, a coin receiving means adapted by successive coin insertions for stepped operation of the escapement means to



effect a single step of said progressive movement for each coin insertion, and manually moved means for effecting the actuation of the actuation means to procure the imprinting operation.

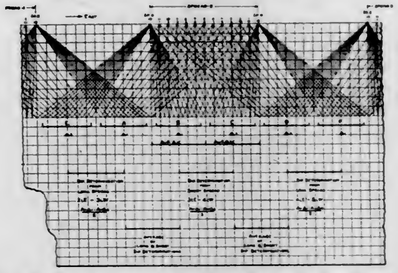
2,345,287
FILLING VALVE BAGS
William Roy Peterson, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application March 9, 1939, Serial No. 260,736
17 Claims. (Cl. 249—60)



3. Apparatus for filling valve bags comprising a scale beam, a support for a valve bag connected by parallel links to the load end of the scale beam, means for filling material into the bag while on the support, a lock for preventing the downward movement of the load end of the scale beam, a stop limiting the drop of the links with respect to the beam, a jigger oscillating the links, and automatic timing means controlling the jigger, lock, and material delivering means, and regulating the delivery means to deliver a relatively large stream to the bag during the major filling operation and to maintain the lock in position and the jigger in operation during the main portion of the filling operation and stopping the jigger, releasing the lock and reducing the volume of the stream of material before the bag is completely filled.

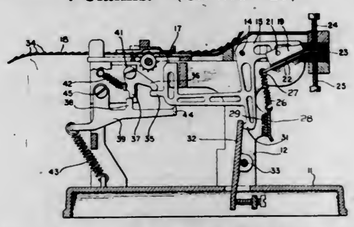
2,345,288
METHOD OF SEISMIC PROSPECTING
William E. Pugh, Tulsa, Okla., assignor to Seismograph Service Corporation, Tulsa, Okla., a corporation of Oklahoma
Application September 22, 1942, Serial No. 459,325
4 Claims. (Cl. 181—0.5)

1. A method of seismic surveying that comprises the steps of dividing a traverse into equal intervals, locating in alternate intervals a plurality of equally spaced detecting stations to form alternate spreads, creating seismic waves at both ends of each spread and also at the far extremity of



the adjacent interval at opposite ends of the spread, separately detecting at each spread the waves which have been so created at each point, amplifying and recording the detected waves in coordination with time.

2,345,289
PRESSURE BOOSTER APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 20, 1941, Serial No. 411,654
7 Claims. (Cl. 178—17)

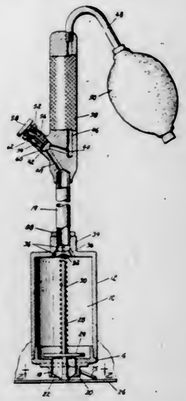


6. In a control form transmitting machine, a pivoted tape sensing element, mild pressure means for urging said element into engagement with a form, supplemental stronger pressure means, and a trigger element releasable upon the initial movement of said tape sensing element in response to said mild pressure means for releasing said supplemental pressure means in the operation of said sensing element.

2,345,290
SEDIMENT DETECTOR
George Bernhard Roesch, Adrian, Mich.
Application February 5, 1942, Serial No. 429,595
3 Claims. (Cl. 73—51)

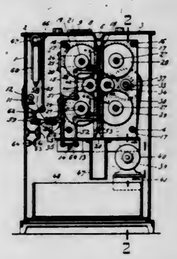
1. A testing device of the class described comprising, in combination, a container for receiving and holding milk having an opening for admission and discharge of milk into and from the container, a valve member normally closing said opening having a part projecting from the opening beyond the container and adapted upon abutment against an outside object to cause the member to move to open position, spring means inside the container acting to force said member to valve closing position, a hollow rod having one end attached to said container and having its interior opening into the interior of said container, a hand grasping part attached to the other end of the rod and having a passage therethrough communicating with the hollow interior

of the rod, means for introducing fluid under pressure into the outer end of said passage, said part having an atmospheric port provided with one branch leading to the passageway through



the part and with a second branch leading to the passageway through the rod and a plug having an atmospheric opening therethrough received within said port, and a normally closed manually controlled valve means for opening the port.

2,345,291
TICKET COUNTING MACHINE
Jay Rose, New York, N. Y.
Substituted for abandoned application Serial No. 109,426, November 6, 1936. This application December 8, 1941, Serial No. 422,063
5 Claims. (Cl. 235—98)



1. A ticket counting machine comprising a guide for tickets, means to pull the tickets through the guide, a counter for the tickets having an operating arm adapted to be reciprocated for operating the counter, two levers rotatively supported at the guide spaced from each other having inner and outer arms, inner arms of the levers forming feelers extending into the guide and adapted to be deflected by the edge of a ticket moving through the guide, the feelers extending at an obtuse angle to the face of the ticket, thereby obtaining a relatively long travel of the point of feeler for a relatively small thickness of the ticket, a cross bar pivotally connected with outer arms of the levers, and operative members extending from a pivot at the middle point of the cross bar to the operating arm, the cross bar arm being adapted to be rotated by the levers about its middle pivot, and being adapted to transmit motion to the arm from the levers only when both feelers are deflected by a ticket of a standard length.

2,345,292
COMBINED CATTLE MARKER AND MUZZLE CHAIN
William F. Schacht, Huntington, Ind.
Application April 12, 1943, Serial No. 482,749
12 Claims. (Cl. 119—96)



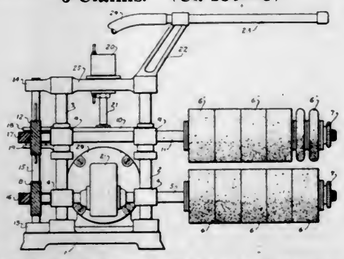
1. A muzzle chain for horned animals having nose rings, comprising a chain encircling the spaced horns of an animal; link means in said chain having overlapping ends, an openable eye-shaped means clamped around the overlapping ends, and a second chain looped through said nose ring and overlying the muzzle of the animal and having its ends engaged in the link means.

2,345,293
CATTLE MARKER
William F. Schacht, Huntington, Ind.
Application September 1, 1943, Serial No. 500,819
19 Claims. (Cl. 119—96)



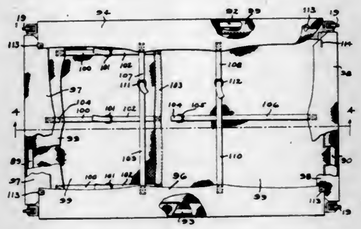
1. A combined cattle marker and muzzle chain for livestock having spaced horns and having nose rings, comprising a horn chain adapted to encircle the spaced horns of the animal and having a split link at one end adapted to engage a link of the chain adjacent the other end; a marker plate having a split link engaged in a link of the horn chain and adapted to overlie the forehead of the animal; and a muzzle chain adapted to overlie the muzzle of the animal and having its upper end connected to said plate and its lower end secured in the nose ring.

2,345,294
METHOD OF SCRUBBING
Goodrich C. Schauffler and Robert C. Shoemaker, Portland, Oreg.
Application November 13, 1939, Serial No. 304,034
6 Claims. (Cl. 134—6)



1. The standardized method of cleansing a part of the human body which comprises applying a scrubbing action to said part and applying pressure to said part by said scrubbing action, continuously measuring the energy applied during said scrubbing action, varying said pressure to obtain a predetermined application of energy in said scrubbing action and continuing said action until said measurement indicates the expenditure of energy of a predetermined value.

2,345,295
COLLAPSIBLE BABY BED
Theodore W. Schettler, Jr., Detroit, Mich.
Application May 22, 1942, Serial No. 444,027
6 Claims. (Cl. 5—97)

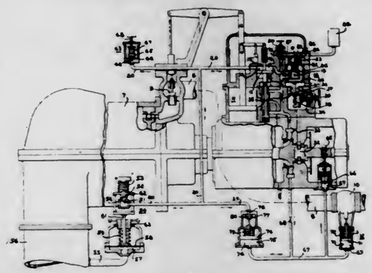


1. For a bed having a collapsible frame including upper and lower side and end rails, the lower rails being inserted by their ends into side and end openings respectively provided in corner posts, the combination of a fabric floor having loops along its sides and loop means at one end, through which loops the lower side rails may be inserted, and through which end loop means one of said end rails may be passed, the floor being formed to be sufficiently long to extend across and beyond the opposite one of said rails and to wrap around thereunder; adjustable, releasable strap and buckle means interengaging the under side of the floor between said two end rails and the floor end portion wrapped under said opposite rail whereby the floor may be stretched tautly and pull said lower end rails into compressive engagement with said posts and retain said lower side rails from post displacement; side fabric walls, each having upper loop means through which the respective upper side rails may be passed to allow the walls to hang therefrom, said walls having vertical lengths exceeding the spacing apart of the upper and lower rails to provide lower portions sufficiently long for wrapping around the respective lower side rails under said floor; adjustable, releasable strap and buckle means for interengaging said side wall lower portions centrally thereof under said floor: end fabric walls, each having upper loop means through which the top end rails may be passed, and being sufficiently long vertically to hang by lower end portions below said lower end rails; adjustable strap and buckle means centrally engaging said end wall lower end portions to wrap them around said lower end rails under said floor one toward the other and under the side with interengaging strap and buckle means; and means for detachably interengaging in overlapping relation under said floor, adjacent lower corners of said side and end walls to resist displacement by load on the straps.

2,345,296
LIQUID FUEL COMPOSITION
Walter A. Schulze and Joseph Preston Lyon, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 4, 1940, Serial No. 327,912
10 Claims. (Cl. 44—69)

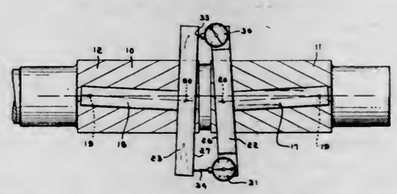
1. An improved aviation gasoline having an octane number above 80, comprising essentially a non-gum-forming hydrocarbon fuel containing less than one per cent by volume of olefinic or diolefinic hydrocarbons, tetraethyl lead and an aminophenol of the group consisting of monobenzyl-para-aminophenol, isobutyl-para-aminophenol, and normal butyl-para-aminophenol in an amount equal to between about 0.0004 to 0.002 weight per cent of the fuel as essentially the sole added material tending to inhibit decomposition and precipitation of said tetraethyl lead.

2,345,297
HYDRAULIC GOVERNING SYSTEM FOR PRIME MOVERS
Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1941, Serial No. 421,726
10 Claims. (Cl. 137—158)



1. The combination with a prime mover having a motive fluid valve, of means providing an enclosed space and including a pressure-responsive device controlling the valve so that, with a reduction in liquid pressure in the space, the valve is moved in a closing direction and vice versa; means providing an escape port for the space; an escape valve in covering relation with respect to the escape port and presenting an area subject to space pressure; means for biasing the escape valve against the force of liquid pressure applied thereto from the space to restrict the escape of liquid from the latter; means responsive to increase in speed of the prime mover to move the escape valve in an opening direction against the force of said biasing means; a pressure-limiting valve for the space; means for exerting closing force on the last-named valve; and means for varying the closing force to vary the maximum pressure in said space.

2,345,298
GEAR CHECKING APPARATUS
Harold W. Semar, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1943, Serial No. 486,575
8 Claims. (Cl. 33—179.5)



1. Apparatus for measuring errors in the included angle of the teeth of double-helical gears and pinions; said apparatus comprising a pair of gauge blocks; a pair of reference pins carried by each block and adapted to be received in the

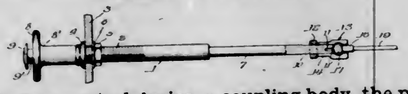
spaces between the teeth of gears and pinions to be checked, the pins of each block being spaced apart an integral multiple of the axial pitch of the teeth; and each of said blocks having a flat end lying in a plane normal to the plane containing the longitudinal axes of the reference pins, whereby, when said pair of gauge blocks are positioned one on each half of a double-helical gear or pinion to be checked, with the reference pins received in the spaces between the teeth and the flat ends of the blocks disposed in opposed relation, any departure from parallelism of said flat ends is a measure of the error in the included angle of the two helices.

2,345,299

CONTROL HEAD COUPLING

Robert Shipley, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan

Application December 2, 1942, Serial No. 467,645
4 Claims. (Cl. 287—87)



3. In a control device, a coupling body, the normally outer portion thereof having a transversely disposed chamber therein opening onto one of its sides and onto its normally outer end, the remaining portion of said body having a longitudinally disposed way formed therethrough opening at one end, onto the adjacent side of said chamber, the diameter of said way being less than the depth of said chamber, a rod having an end portion engaged in and longitudinally adjustable to different positions in said way and engageable, at times, in said chamber, the inner end of said rod having a recess therein, and a shank carrying element pivotally received in said chamber and engageable in the recess in the inner end of said rod whereby to prevent its lateral displacement from the chamber and having its shank normally engaged through the open outer end of said body portion.

2,345,300

HEATING PAD

Donald C. Simpson, Toledo, and Allen L. Simison, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application November 13, 1941, Serial No. 418,928
5 Claims. (Cl. 219—46)



1. An element for a heating pad comprising a strand of alkali free glass fibers, and an electric resistor spirally wound over said strand.

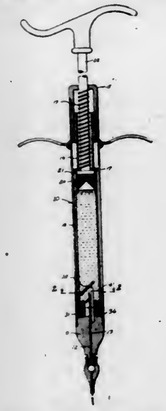
2,345,301

SYRINGE AND AMPOULE

Arthur E. Smith, Los Angeles, Calif.

Original application May 5, 1939, Serial No. 271,888, now Patent No. 2,283,234, dated May 19, 1942. Divided and this application March 30, 1942, Serial No. 436,754
1 Claim. (Cl. 128—218)

In a syringe, the combination of a cylindrical barrel having a front and a rear member thereon, said rear member having ampoule engaging means thereon, a plunger slidable in the rear member, said front member having a hole therethrough, an injection needle mounted on said front member and having an end portion passing through said hole and adapted to extend into an ampoule, said hole being coaxial with said barrel, a piercing needle on the front member and extending into the barrel, said piercing needle being disposed at one side of the axis of the barrel, and a cylindrical ampoule, said ampoule having a piston cork in the end thereof adapted to be engaged by said plunger, a second cork in the front end of said ampoule, said second cork having an inwardly opening recess therein adapted to receive the piercing member and the needle, said second



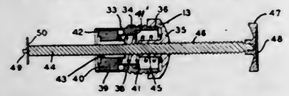
cork having a diaphragm at and closing the inner end of said recess and puncturable by the piercing member passing through said recess, a third cork in said ampoule, said third cork having planar ends, said third cork being arranged so that the planar ends thereof are perpendicular to the axis of the ampoule, said third cork being adjacent to but spaced from the second cork to form a chamber, said third cork comprising a thin tiltable disc, said third cork being spaced from the front end of the ampoule a distance less than the distance which the piercing member extends into the syringe barrel, a medicinal preparation in said chamber, said first and second corks being cylindrical, and a solvent for the medicinal preparation in the ampoule between the first and third corks.

2,345,302

ANESTHETIZING SYRINGE

Arthur E. Smith, Los Angeles, Calif.

Application May 8, 1942, Serial No. 442,163
1 Claim. (Cl. 128—218)



In an anesthetizing syringe, a barrel, an ampule in said barrel adapted to provide a fresh anesthetizing solution, a piston cork slidable in said ampule, said barrel having a front member adapted to receive a needle for injection into a patient who is to receive the anesthetizing solution, said barrel having a rear member with a threaded aperture extending therethrough, a plunger extending through said aperture, said plunger having a front end engaging said piston cork, said plunger having a non-threaded cylindrical front portion of less diameter than said

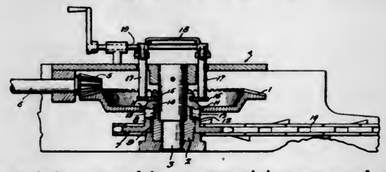
threaded aperture, said plunger slidable downwardly through said threaded aperture to the extent of said non-threaded portion upon receipt of manual pressure of the user, said non-threaded front portion of said plunger of such fixed extent that when moved through said aperture the front end of the plunger is moved against said piston cork to force a predetermined amount of anesthetizing solution from the ampule out the needle and into the patient to produce general anesthesia, said plunger having a rear portion with threads extending to its rear end, said threads of a size adapted to engage the threads of said threaded aperture, the threads of said aperture and of said plunger being uninterrupted, so that as said plunger is given a desired turn from time to time by the user the plunger is moved down against the piston cork to force a small predetermined required amount of the anesthetizing solution from the ampule out the needle and into the patient to continue the general anesthesia.

2,345,303

MINING MACHINE

George Edward Suiter, Logan, W. Va., assignor of fifty per cent to All-State Equipment Co., Incorporated, Logan, W. Va., a corporation of West Virginia

Application October 23, 1942, Serial No. 463,121
1 Claim. (Cl. 262—28)



A mining machine comprising spaced upper and lower frame members having vertically aligned openings therein, a vertical shaft having its ends mounted in said openings of the frame members, a beveled gear having a depressed central portion and a depending hub resting on the lower frame member, said gear being journaled on the shaft between said frame members for rotation in a horizontal plane, the central portion of said gear and its hub having openings therein, a sprocket wheel for driving an endless cutter chain journaled on the hub and resting on the lower frame member below the gear, said sprocket wheel including an upstanding hub having a plurality of notches therein, a clutch including a collar slidable on the shaft above the depressed central portion of the gear and having depending pins arranged in said openings and engageable in the notches for releasably connecting the sprocket wheel to the gear, said collar having an annular groove, a ring rotatably engaged in said annular groove, pins fixed to opposite sides of the ring and projecting upwardly through the upper frame member, and means connected to the upper ends of the last-named pins for elevating said ring.

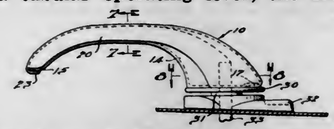
2,345,304

LATCH HANDLE

Ulysses L. Thomas, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a a corporation of Delaware

Application November 14, 1941, Serial No. 419,069
3 Claims. (Cl. 292—347)

1. A latch handle for an automobile door or the like comprising an inner channel member having a web and substantially parallel flanges extending substantially at right angles to the plane of the web, the ends of the web being extended angularly outward close to each end to meet the outer edges of the flanges, the angularly extended portions thus forming a tip end wall and a base end wall, and a complementary outer channel member having side flanges shaped to embrace the flanges of the inner channel member whereby said channel members together form a tubular operating lever, the free edge



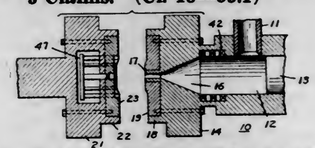
portions of the side flanges of said outer channel member being disposed in planes substantially parallel to the registering side flange portions of said inner channel member and terminating between the lateral extremities of the latter side flanges said outer channel member having protruding tangs at each end of its web adapted to be engaged about said end walls of said inner channel member to lock the channel members in assembled relation.

2,345,305

METHOD OF FORMING ARTIFICIAL TEETH

Henry M. Thornton, York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York

Application May 3, 1941, Serial No. 391,687
3 Claims. (Cl. 18—55.1)



1. The method of forming artificial teeth from plastic resins by injection moulding which comprises providing metal separable mould parts adapted to form a tooth cavity therebetween when engaged, the mould part adapted to form the lingual surface of the tooth having a port extending to said lingual moulding surface engaging said mould parts under high pressure, closing a portion of said port, injecting plastic resin material into the mould cavity under high pressure while heated to a flowable condition to concurrently mould and finish harden said material, separating the mould parts, whereby the moulded tooth will be retained in the mould part provided with the port, and ejecting the moulded tooth by pressure exerted at the port, whereby an anchoring projection is formed on the lingual surface of the tooth by the material projected into the port during the moulding operation.

2,345,306

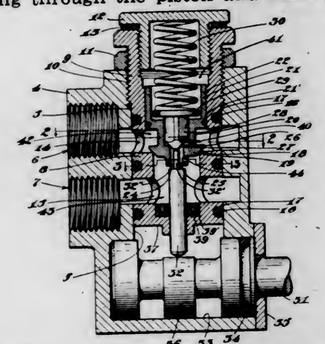
FLUID CONTROLLED VALVE

Jacob B. Van Der Werff, Pasadena, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application February 24, 1942, Serial No. 432,148
6 Claims. (Cl. 137—139)

1. In a fluid controlled valve, a valve body having a bore therein and provided with fluid intake and outlet ports leading into said bore at axially spaced points, a tubular valve cage mounted in said bore and having an open outer end and a closed inner end and axially spaced intake and outlet openings intermediate its ends registering with said intake and outlet ports, sealing means to prevent leakage between said

bore and said cage, a cap closing the open end of said cage, a valve seat in said cage between said intake and outlet openings, a fluid pressure seated main valve for cooperating with said seat, a cylinder portion in said cage, a piston reciprocable in said cylinder portion, a tubular stem connecting said piston with said valve so as to define between the valve and the piston a main pressure chamber at all times open to said fluid intake opening, there being an auxiliary chamber between the piston and the cap, a passage extending through the piston and valve for affording communication independent of said main chamber, between said auxiliary chamber and said outlet opening when the main valve is closed, a pilot valve controlling said passage, a spring operative to seat said pilot valve and being ineffective to urge the main valve toward its seat when the pilot valve is opened, a bleed port in the piston and valve assembly affording the passage of pressure fluid from the main pressure chamber to the auxiliary chamber when the pilot valve and the main valve are closed, and means initially operable for opening the pilot valve and thereafter operable to open the main valve.

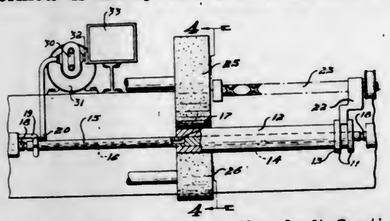


2,345,307
DETERGENT COMPOSITION
Emil A. Vitalis, East Port Chester, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 19, 1943, Serial No. 479,783
4 Claims. (Cl. 252—121)

1. A detergent composition comprising a major proportion of soap consisting essentially of alkali metal salts of fat acids, together with a quantity of an acidifying agent sufficient to reduce the alkalinity of the soap to a pH of 7.2–8 and about 3–30%, based on the weight of the soap, of a surface-active agent containing a hydrophobic portion together with a hydrophilic portion, said hydrophobic portion containing a single long aliphatic radical of at least 8 carbon atoms.

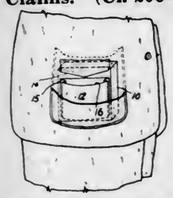
2,345,308
LAPPING APPARATUS
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application July 17, 1941, Serial No. 402,734, now Patent No. 2,314,533, dated March 23, 1943. Divided and this application December 20, 1941, Serial No. 423,701
3 Claims. (Cl. 51—95)

1. Apparatus for surface finishing a tubular shaft having its bore coaxial with its outer surface comprising a cylindrical mandrel provided with a longitudinal passage having an outlet to the surface at the central portion thereof through which a fluid under pressure may be forced, and said mandrel having a diameter slightly lesser than the diameter of the bore of the shaft to be finished whereby when the shaft is rotated upon said mandrel a substantially cylindrical cushion of fluid under pressure may be formed in the space between the surface of



the bore and the surface of the shaft floatingly supporting the shaft with its bore substantially coaxially located with respect to said mandrel a rotative finishing tool for operating upon the periphery of said shaft to finish the surface thereof while drivingly rotating said shaft upon said mandrel, and means for supplying fluid under pressure to said passage and to said space between said mandrel and shaft during rotation of the latter.

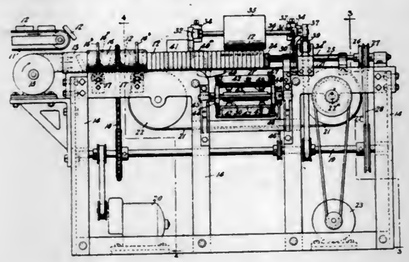
2,345,309
SANITARY TISSUE CONTAINER
Theodor Wensel, Jr., Tonawanda, N. Y.
Application April 9, 1940, Serial No. 328,738
2 Claims. (Cl. 206—57)



1. A combination dispensing and disposing device for sanitary tissues, comprising a packet adapted to be carried in and for use from one's pocket and having a comparatively rigid, box-like compartment for clean tissues arranged in a predetermined fashion for individually dispensing them for use as desired, said compartment having a dispensing opening adjacent its upper end through which an individual tissue is exposed for withdrawal by the user, and an expansible compartment for receiving used tissues disposed alongside and in substantially parallel relation with the companion compartment and including expansible side walls, said receiving compartment being open at its upper end in a plane adjoining that of the dispensing compartment opening.

2,345,310
ARTICLE ASSEMBLING AND FEEDING MACHINE
Lively B. Willoughby, Louisville, Ky., assignor to Ballard & Ballard Company, Incorporated, Louisville, Ky., a corporation of Kentucky
Original application August 12, 1940, Serial No. 352,341, now Patent No. 2,313,706, dated March 9, 1943. Divided and this application June 12, 1942, Serial No. 446,760
15 Claims. (Cl. 198—35)

1. A machine for supplying articles in stacked relationship comprising, in combination, a hopper into which the articles are successively dropped; a blower by which the successively dropped articles are successively blown broadside; a rotated hollow member into and through which the articles expelled from the hopper are

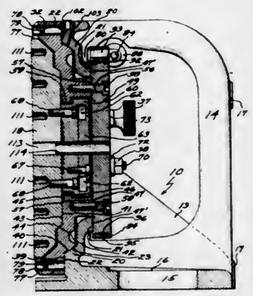


successively driven under action of said blower into forced positioning on edge; and an endless carrier onto which the articles from said member are successively fed on edge side by side in a continuously forming and advancing stacked column.

2,345,311
PREPARATION OF ALKALINE EARTH PIGMENTS AND COATING COMPOSITIONS
Alfred D. Wilson, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application September 30, 1941, Serial No. 413,039
13 Claims. (Cl. 106—148)

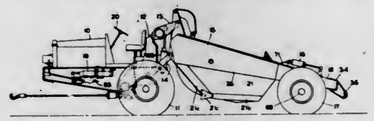
1. Process which comprises mixing an alkaline earth metal pigment in aqueous medium with a deflocculant in an amount, between 0.25% and 5.0% by weight based on the dry weight of the pigment, sufficient to deflocculate the pigment completely, dewatering the mixture in the presence of the deflocculant to a non-fluid condition and to such a degree that the adhesive requirement is substantially reduced, and subsequently mixing the non-fluid material with water and adhesive to form a coating composition.

2,345,312
WORK POSITIONING FIXTURE
Otto E. Sorensen, Bridgeport, Conn.
Application September 12, 1939, Serial No. 294,489
37 Claims. (Cl. 33—174)



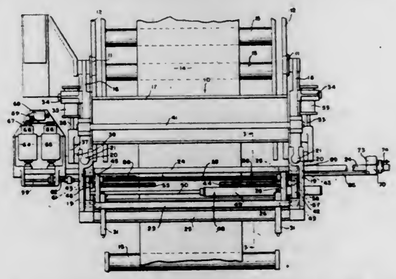
1. A measuring and layout device or the like for firmly holding a work object in selectable differing positions, embodying in combination, a support base having a planar bottom on which said device may stably stand, a rotatable carrier, a rotatable face plate supported by said carrier, holding means to fasten said work object in arbitrary positions to said face plate, bearing means supporting said plate and carrier constructed and arranged to confine the same to rotary movement relatively to each other and also in unison about a common axis, and fastening means constructed and arranged releasably to hold said plate in fixed rotative relation to said carrier.

2,345,313
SCRAPER
Stewart F. Armington, Willoughby, and George E. Armington, South Euclid, Ohio, assignors to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio
Application May 24, 1941, Serial No. 394,964
4 Claims. (Cl. 37—126)



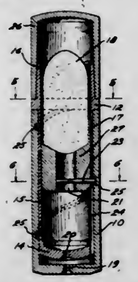
3. Earth moving apparatus comprising a scraper bowl, wheel means supporting said bowl, said bowl having sides and a bottom and being openable at the front end where said bottom is provided with a digging edge, an ejector movable along said bowl from rear to front to discharge material out of the front end of said bowl, a straight inclined track supporting said ejector for lifting the latter as it moves from rear to front of said bowl, a hollow beam rigid with said bowl and extending rearwardly therefrom, a guide member for said ejector rigid therewith and enclosed in said hollow beam, and guide means for said guide member in said hollow beam and parallel to said track.

2,345,314
CUTTING MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1941, Serial No. 408,320
22 Claims. (Cl. 266—23)



1. Apparatus for cutting a metal body, said apparatus including a carriage, supporting means along which the carriage moves, an abutment on the carriage in position to contact with the side of the body to be cut, a torch holder moved by said carriage into position to start a cut at the edge of the metal body when the abutment is against the side of the body, supporting means on which the torch holder is movable, and means on the carriage for causing the torch holder to move on its supporting means and with respect to the carriage along a projected line of cut.

2,345,315
COSMETIC STICK EXPELLANT HOLDER
John W. Anderson, Danbury, Conn.
Application May 19, 1941, Serial No. 394,139
3 Claims. (Cl. 206—56)



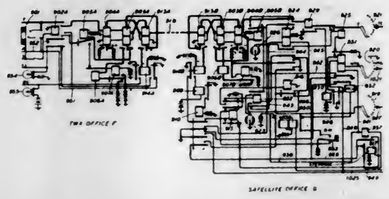
1. An expellant holder for cosmetic sticks receptive to a cap for covering the latter, including the combination, with a slidable carrier for the cosmetic stick, of an external casing cup surrounding said carrier, a helical guide track presented internally by said casing cup, a projection carried by said carrier riding in engagement with said track, and an elongated hollow shell, one end portion of whose length sleeves said carrier within said casing cup and is free for rotation relative to the latter and contains an axially extending slot slidably engaged by said projection, the opposite end portion of whose length forms a terminal rabbet outside of said casing cup for receiving the stick covering cap, and an intermediate portion of whose length comprises a ferrule having an overall girth at least as large as that of said casing cup and larger than that of said end portions.

2,345,316
THROUGH AND INWARD TELEGRAPH EXCHANGE SYSTEM
Rand S. Bailey, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1941, Serial No. 393,863
35 Claims. (Cl. 178—2)



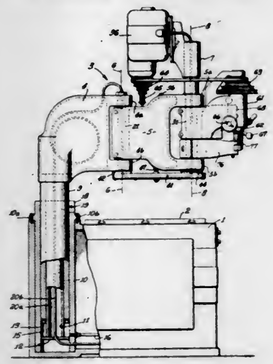
1. A printing telegraph exchange system comprising a plurality of groups of subscribers' telegraph stations, printing telegraph signal transmitting and receiving mechanism at each of said stations, a plurality of switching offices, break signal limiting means at each of said offices, a trunk circuit interconnecting said switching offices, a normally deenergized line circuit connected between each of the stations of one of said groups and one of said switching offices, a normally deenergized line circuit connected between each of the stations of the other of said groups and another of said offices, means controlled from either of said offices for establishing a connection for communication purposes between a station of one of said groups and a station of the other of said groups over said trunk circuit, and means at one of said switching offices for through supervision, independently of the other of said offices, of a connection between a station of one of said groups and a station of the other of said groups.

2,345,317
SATELLITE TELEGRAPH SWITCHING SYSTEM
Rand S. Bailey, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application August 6, 1938, Serial No. 223,431. Divided and this application May 17, 1941, Serial No. 393,864
27 Claims. (Cl. 178—2)



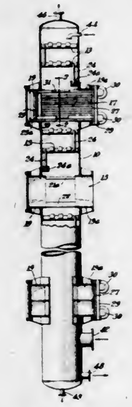
1. In a telegraph system comprising a central office, a satellite office, subscribers' telegraph lines and trunks from the central office to the satellite office, an allotter circuit at said satellite office for assigning trunks to calling subscribers' lines in sequence, a selector for connecting one of said lines to one of said trunks in response to actuation of said selector, a telegraph impulse repeater in each trunk, and a circuit controlled by a transmission condition of a telegraph impulse repeater in a trunk connected to a line to maintain the connection of said trunk and said line through said selector.

2,345,318
RADIAL PRECISION TAPPING MACHINE
Harding F. Bakewell, San Marino, Calif.
Application October 10, 1942, Serial No. 461,565
15 Claims. (Cl. 10—135)



1. A radial type machine tool which comprises: a base portion provided with a work-supporting table member; an articulated overhead tool-carrying structure pivotally mounted on said base portion and provided with a pivotally mounted outer frame portion carrying a tool member and rotative drive means therefor arranged in such relation to the axes of pivotal movement of said articulated structure as to inherently cause an inertia reaction tending to produce movement of said articulated structure and displacement of said tool member upon initiation of the rotation of said drive means, said rotative drive means comprising an electric motor; brake means adapted to engage the articulated portions of said overhead tool-carrying structure including said outer frame portion and render the same rigid at the position of the axes of pivotal movement; brake actuating means operatively connected to said brake means; and control means adapted to cause operation of said actuating means to bring said brake means into such engagement immediately prior to the energization of said electric motor.

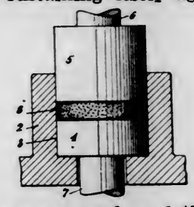
2,345,319
HEAT EXCHANGE
Edward A. Bertram, Mount Vernon, and David Fulton, Flushing, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application March 30, 1942, Serial No. 436,888
6 Claims. (Cl. 261—11)



1. In a tower for the countercurrent contact of a downflowing liquid and a rising vapor, a bundle of heat exchanger tubing exposed within the tower and disposed horizontally therein, means to circulate temperature-conditioning fluid through said tubing, said bundle being of materially less horizontal width than the internal tower diameter and transversely centered in the tower to provide a pair of vertical vapor passages at opposite sides of the bundle, a foraminous liquid-distributing tray overlying said tube bundle and arranged to receive downflowing liquid and shed a rain of the liquid upon said tubing, a collecting tray underlying the tube bundle to receive said liquid after it has passed through the bundle, a baffle within the tower and disposed at approximately the lower level of the tube bundle and closing the lower end of one of said passages, and a baffle within the tower and disposed at approximately the upper level of the tube bundle and closing the upper end of the other of said vapor passages, said trays and baffles being constructed and arranged to cause vapor ascending within the tower from beneath the tube bundle to flow through the latter crosswise of said rain of liquid.

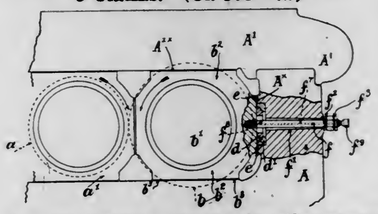
2,345,320
ART OF PRESERVING COFFEE
Julius Brenzinger, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application April 21, 1942, Serial No. 439,844
2 Claims. (Cl. 99—152)

1. The method of preserving the desirable qualities of ground coffee which consists in: subjecting the ground coffee to pressure of the order of forty to eighty tons to the square inch to thereby compact the mass into a coherent cake inherently capable of sustaining itself against collapse



when pressure is removed, and the particles of which are inert and have a reluctance to expand when said cake is subjected to the action of air at room, or lower, temperature.

2,345,321
BEARING FOR ROLLING MILLS, MIXERS, AND CALENDERS
Joseph Brown, Castleton, Rochdale, England, assignor to David Bridge & Company Limited, Castleton, Rochdale, England, a British company
Application January 20, 1943, Serial No. 472,943
In Great Britain February 12, 1942
5 Claims. (Cl. 308—72)



1. Accommodating means for the support of the bearing blocks of the back or anchored roller of apparatus of the character set forth, comprising an anchored roller, accommodating bearing blocks therefor, and framework, guiding surfaces in connection with the framework to guide the bearing blocks, co-operating spherical faced devices intermediate the said bearing blocks and the framework, said devices having a central disposition and focus of pressure to permit of angular and accommodating movement, tie-bolts passing centrally through said spherically faced devices, said framework having tapered holes fashioned therein wherein the tie-bolts are located, powerful springs on the outer ends of the tie-bolts, and adjustable lock-nuts to confine said springs, said tie-bolts anchoring the bearing blocks to the framework and confining the spherical faced devices, all to permit of slight angular and accommodating movement of the bearing blocks under extreme pressure and to restore same to normal position after said movement.

2,345,322
PARTIALLY GELATINIZED STARCH AND PROTEIN MIXTURE
Ben F. Buchanan, Leonia, N. J., and Robert L. Lloyd, Laurelton, N. Y., assignors to American Maize-Products Company, a corporation of Maine
No Drawing. Application August 14, 1942, Serial No. 454,882
6 Claims. (Cl. 99—123)

1. A composition of matter comprising a suspension in a fat of a dried and comminuted partially gelatinized mixture of starch and water in-

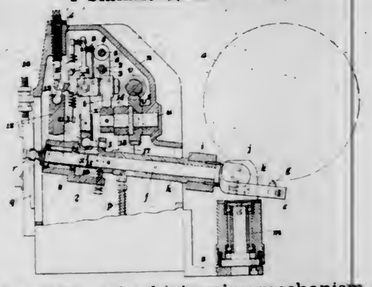
soluble protein in the proportion of about 4 to 20 parts of the protein to 100 parts of the said mixture, the fat constituting a continuous external phase, the starch and protein being of kinds occurring in nature in intimate association with each other, and the said mixture being gelatinized to the extent that it has a water absorption of less than 2.5 by the standard tests and when stirred with cold water causes bodying of the water.

2,345,323

TRIMMING MECHANISM FOR GRINDING WHEELS

Richard John Bullows, Shirley, near Birmingham, England, assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England

Application December 26, 1941, Serial No. 424,557
In Great Britain February 22, 1941
4 Claims. (Cl. 125—11)



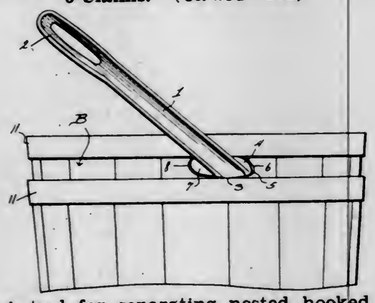
1. A grinding wheel trimming mechanism comprising the combination of a shaft adapted at one end to carry a trimming tool and at the other end to co-operate with at least one template, means for supporting the shaft whereby it can be oscillated about its own axis and also in each of two planes at right angles to each other, a driving crank, a driven crank on the shaft, a connecting rod interconnecting the two cranks, a non-rotatable member mounted on the shaft at a position between the driven crank and the end of the shaft adapted to co-operate with the template, interengageable parts on the said member and driven crank for limiting the angular movement of the latter crank, a spring interconnecting the said member and an extension of the end of the connecting rod adjacent to the driving crank, and a second spring adapted to oppose movement of the said extension.

2,345,324

SEPARATING TOOL

Robert Byers, Hancock, Md.

Application December 11, 1941, Serial No. 422,590
6 Claims. (Cl. 254—131)



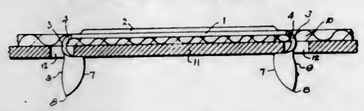
4. A tool for separating nested hooked containers comprising a bar having an end face oblique to the length thereof, a lug carried by the bar upon one longitudinal edge adjacent to said end and extending laterally, a second lug carried by the bar upon the opposite longitudinal edge from the first lug and extending laterally in the same direction as the first lug, the lugs having their remotely related sides transversely rounded.

2,345,325

SHEET METAL FABRIC CLIP

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application December 10, 1942, Serial No. 468,556
4 Claims. (Cl. 24—87)



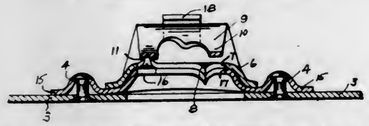
1. A sheet metal clip for securing fabric to an underlying support formed with a pair of widely spaced apertures, said clip comprising a thin stiff flat sheet metal band having angularly disposed resilient shanks at opposite ends and on the same side thereof, and opposed barbs formed of folded sheet metal at the ends of said shanks and presenting shoulders spaced from said band.

2,345,326

REINFORCED FASTENER SOCKET MEMBER

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 1, 1943, Serial No. 481,479
9 Claims. (Cl. 24—221).



9. In a rotary operative fastener for detachably connecting a plurality of parts in one of which is mounted a rotary locking stud, a two-part socket member attached to the other part to receive and interlockingly engage said stud, said fastener comprising pre-assembled superimposed plates each having a similarly outwardly dished central portion apertured to permit the passage of said stud, the outer plate being formed with cam and locking means adapted to receive and interlock with said stud upon rotation thereof causing slight deflection of the dished portion of said outermost plate under vertical locking tension, the underlying dished portion of the innermost plate engaging the dished portion of the outermost plate when the fastening parts are in locked position and reinforcing the latter against further deflection under additional tension load.

2,345,327

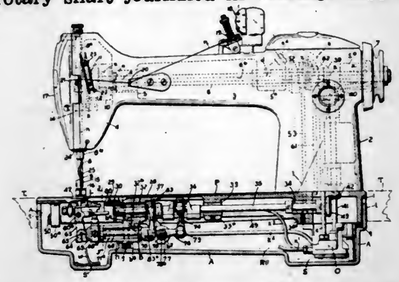
CHAIN-STITCH SEWING MACHINE

Andrew B. Clayton, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application February 14, 1942, Serial No. 430,854
13 Claims. (Cl. 112—200)

1. A chain-stitch sewing machine comprising a frame including a bed having depending end and side walls adapted to be supported upon an

oil pan carried by a suitable table with the upper face of said bed substantially flush with the upper surface of said table, one of said end walls being cut away adjacent the center of said bed, a reciprocating needle-bar carried by said frame, an eye-pointed needle carried by said needle-bar, a rotary shaft journaled in bearings supported



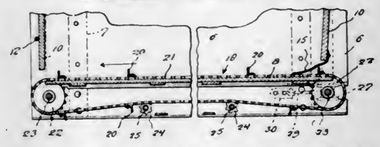
by said bed, a bracket removably secured to the underside of said bed and having a portion filling the cut-away portion of said end wall, and a looper mechanism carried by said bracket and actuated from said shaft, said looper mechanism including a looper adapted to cooperate with said needle in the formation of stitches.

2,345,328

FARM VEHICLE BODY

Thomas J. Conway and Alfred B. Buss, Lake Crystal, Minn.

Application June 18, 1943, Serial No. 491,350
1 Claim. (Cl. 214—83)



In a wagon body, a frame, vertical sides secured to the frame and each including a pair of vertical portions with one of said portions disposed laterally of the other portion and an inclined portion connecting said pair of vertical portions, front and rear gates matching the shape of said side walls and said rear gate mounted on the side walls for swinging movement and the front gate removably secured to said side walls and inclining toward the rear gate, an endlesss conveyor supported by the frame between the side walls and extending under and beyond the rear gate, a flexible strip secured to the front gate and loosely engaging the conveyor inwardly of one end thereof and between the side walls, and means for releasably securing the rear gate against swinging movement relative to the side walls.

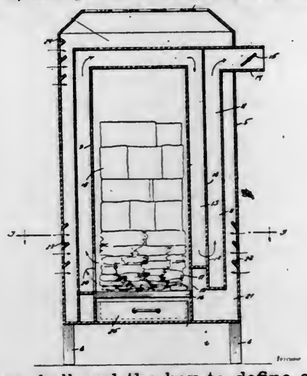
2,345,329

SELF-FEEDING STOVE

Henry B. Crowell, Hoquiam, Wash.

Application April 14, 1941, Serial No. 388,523
1 Claim. (Cl. 126—73)

A stove comprising an outer shell having an air inlet opening at the lower portion thereof and an air outlet opening at the upper portion thereof, an inner shell located within the outer shell and being spaced at its sides and top from the outer shell to define an air passageway from the air inlet opening to the air outlet opening, a fire and fuel storage box located within the inner shell and being spaced at its sides and top from said inner shell to define a passageway for the hot products of combustion, a vertically disposed partition in the space between the box and the inner shell, extending downwardly from the top of the inner shell and having an opening at its lower end, said partition being spaced both from



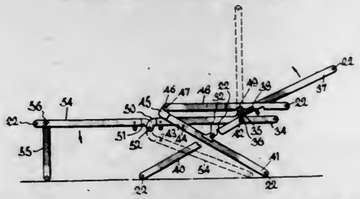
the inner shell and the box to define a tortuous passageway for the hot products of combustion, an outlet pipe extending from the upper portion of the inner shell in opposed relation to the upper portion of the partition, a grate in the lower portion of the box, the side portion of the box opposite from the side to which the partition is opposed being formed with a hot products of combustion outlet.

2,345,330

FOLDING CHAIR

Alexander T. Deutsch, Cincinnati, Ohio, assignor of twenty per cent to Chester Tietig, Covington, Ky.

Application June 3, 1941, Serial No. 396,440
1 Claim. (Cl. 155—105)



A folding chair comprising a seat frame, a back frame pivotally connected at one end to the seat frame, a pair of supporting frames each having a pair of parallel legs, said supporting frames being pivotally connected adjacent one of their ends to said seat frame at spaced points intermediate the length of the seat frame, a cross-member on one of said supporting frames adapted to be insertably engaged with a pair of notches on the other supporting frame for latching said supporting frames in crossed position relative to each other, one of said supporting frames being slightly wider than the other so that the legs on opposite sides of the chair lie close together, and both supporting frames being wider than the seat frame, covering material for the seat and back frames, a pair of arm rests pivotally connected to the extended upper ends of the legs of one of the supporting frames, a cross-tie securing the arms together at their outer free ends, pins on said back-frame interlocking with notches on the arm rests for re-

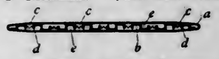
leasably supporting said back frame at different angular positions about its pivotal connection with the seat frame, a foot-rest frame pivoted at one end of said seat frame, said foot-rest frame being of a width not exceeding the width of said seat and supporting frames so as to fold to a position under the seat frame, whereby all of said frames are adapted to be folded into approximately a common plane.

2,345,331

HEAT INTERCHANGE APPARATUS

George Edward Dono and Ronald Harbridge Goddard, Oxford, England, assignors to Morris Motors Limited, Cowley, Oxford, England

Application April 6, 1943, Serial No. 482,019
In Great Britain April 18, 1942
3 Claims. (Cl. 138—38)



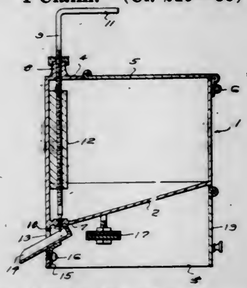
1. For use in heat interchange apparatus of the kind specified, a tube having within it a corrugated sheet metal web which forms within the tube a plurality of parallel fluid-flow channels and which is provided along the bases of the channels with lateral projections in the form of flanges surrounding holes in the web.

2,345,332

REAGENT FEEDER

John Harry Ellis and Lewis B. Stark, Neihart, Mont.

Application July 7, 1941, Serial No. 401,398
1 Claim. (Cl. 219—38)



A reagent feeder including a container comprising an elevated bottom having a valve controlled discharge opening therein, said bottom sloping toward the opening, the container having an opening therein at a point below the bottom, an open trough extending at an inclination through the second-named opening and positioned beneath the first-named opening for receiving the reagent therefrom, a bracket depending from the trough, and means detachably securing said bracket to the container for removably securing the trough in the second-named opening.

2,345,333

PROCESS FOR THE MANUFACTURE OF SOLUTIONS OF CELLULOSE IN SULPHURIC ACID

Heinrich Fink and Richard Hofstadt, Bottwell-on-the-Neckar, Germany; vested in the Alien Property Custodian

No Drawing. Application July 10, 1940, Serial No. 344,782. In Germany July 22, 1939
1 Claim. (Cl. 260—215)

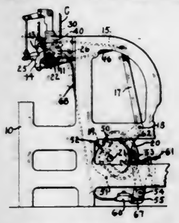
The process of producing viscous solutions of cellulose in sulphuric acid in which the amount by weight of sulphuric acid calculated as the monohydrate is less than five times the amount of cellulose; which comprises adding sulphuric acid having a strength of 55–59% to air dry cellulose while cooling said mixture, removing any sulphuric acid in excess of three times the amount of said cellulose therefrom after said cellulose is impregnated with such acid, but before it is completely swelled, and thereafter adding to such impregnated cellulose, while cooling, a sufficient amount of sulphuric acid of such a strength, greater than 90%, as to completely dissolve said cellulose, the amount of such last mentioned acid which is added to said cellulose being such that the ratio of acid to cellulose in the thus formed solution is less than 5 parts by weight of acid calculated as the monohydrate to 1 part of cellulose.

2,345,334

BRAKE FOR AXMINSTER LOOM PULL-OVER SHAFTS

Norman Fletcher, Worcester, and Walter Y. Robb, Whitinsville, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application September 28, 1942, Serial No. 459,936
5 Claims. (Cl. 139—9)



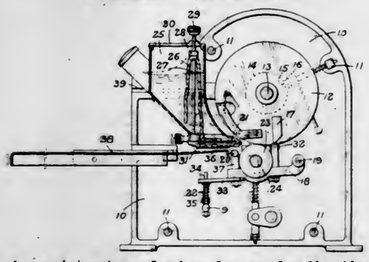
1. In an Axminster loom having a tube frame transporting chain operating pullover shaft, a driving shaft for the loom, means operated by the driving shaft to give the pullover shaft regularly recurring periods of angular movement to advance the chain, hydraulic brake mechanism for said shaft, and hydraulic means hydraulically connected to the brake mechanism and operated by a force derived from said driving shaft to cause said hydraulic brake mechanism to apply a braking force to said shaft between said periods.

2,345,335

DUPLICATING MACHINE

Frank Ronald Ford, Sparkbrook, Birmingham, England

Application July 25, 1942, Serial No. 452,276
In Great Britain May 20, 1941
9 Claims. (Cl. 91—38)



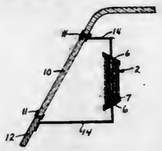
8. A moistening device for a duplicating machine of the kind described, comprising a tank for containing the moistening liquid, a moistening pad, a support for the moistening pad engaging its upper and lower sides and its edges but leaving a portion of its lower side exposed, and a wick having one end disposed in the liquid in the tank, and the other end disposed in the said support and in contact with one side of said pad, said wick conveying the liquid to said pad.

2,345,336

BULLET-RESISTING GLASS

John H. Fox, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation

Application December 28, 1940, Serial No. 372,055
2 Claims. (Cl. 109—58.5)



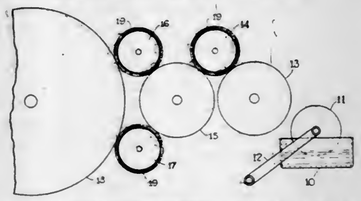
1. In an airplane having a pilot compartment and including a front glass windshield constituting an outer wall section of the compartment, a bullet-resisting unit of truncated cone form including glass plates united by interlayers of plastic material, and a rigid frame closely engaging the periphery of said unit, the base of the truncated cone unit facing the outer windshield in spaced relation thereto.

2,345,337

DAMPENER MECHANISM

Alexander H. Gardner, Passaic, N. J., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 19, 1942, Serial No. 435,309
7 Claims. (Cl. 91—67.8)



1. In a dampener assembly of the type in which water is conveyed by external contact of rollers, a dampener roller which comprises a core portion and an outer cover portion, said outer cover portion being a woven cut pile fabric having a dense water absorbent pile face of cellulose fibers and low side-wise resiliency.

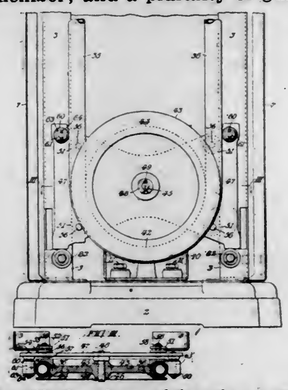
2,345,338

LIQUID DISPENSING APPARATUS

Mark J. Goldberg, Spring Lake, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Delaware

Application December 9, 1941, Serial No. 422,211
6 Claims. (Cl. 299—77)

1. In hose supporting and storing means for a liquid dispensing apparatus which includes a housing and a long hose with a dispensing nozzle at the distal end thereof and connected at its other end to a liquid supply pipe within the housing, a portion of said hose being arranged in a first loop within said housing and a portion of said hose extending beyond said housing a sufficient length to form a second loop outside said housing when said dispensing nozzle is positioned in a nozzle support at the top of said housing; the combination with a frame support connected to and rigidly supporting said housing; of a sheave in the bight of said first loop of hose within said housing; a sheave supporting member; means for mounting said sheave with freedom of turning movement on said sheave supporting member; and a plurality of guide rollers



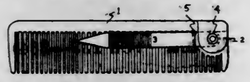
mounted with freedom of turning movement on said sheave supporting member, with the respective surfaces of said rollers in engagement with a vertical edge of one of said housing frame supports; whereby the edges of said housing frame supports form guide tracks for said rollers to guide and limit the direction of said sheave and sheave supporting member when said sheave is moved by withdrawal or retraction of said looped hose within said housing.

2,345,339

COMBINED COMB AND NAIL FILE

Emerick Hodaly, Detroit, Mich.

Application July 5, 1943, Serial No. 493,613
5 Claims. (Cl. 132—19)



2. An article of the character described, comprising a pocket comb, an elongated spring clip disposed exteriorly of the comb for securing the comb to and within a garment pocket, means pivotally mounting an end of the clip on an end of the comb, whereby the clip may assume alternative limiting positions, in one of which it lies in proximity to and at one side of the comb and in the other of which it forms an endwise extension from and a handle for the comb, and a lug integrally formed on the comb and overhanging the pivotal end of the clip and engageable by the clip in each of said limiting positions to definitely establish such positions, the free end portion of the clip being diverged from the plane of the comb to facilitate engagement with a garment pocket.

2,345,340

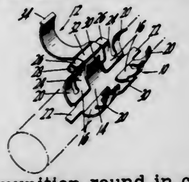
ORDNANCE

Smith B. Howe, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.

Application November 26, 1942, Serial No. 467,018
10 Claims. (Cl. 89—35)

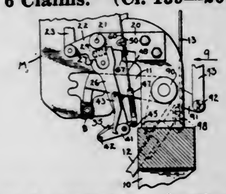
1. A cartridge connecting clip unit comprising a master clip element of generally semi-cylindri-

cal form adapted to receive in cradled relation therein a cartridge, said master clip element having a relatively depressed central body portion terminating at opposite sides of said clip in opposite upstanding abutment wall portions, a pair of arms extending from said master clip element at opposite sides of one of said abutment wall portions, a hinge pin carried by said arm portions to extend therebetween and in spaced relation with respect to said one of said abutment wall portions, spring finger devices extending from said master clip element at opposite ends thereof adapted to partially embrace and resiliently



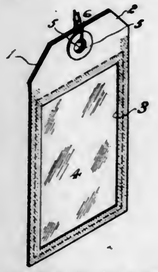
clamp an ammunition round in cradled relation within said clip device, and a clip tongue element of generally semi-cylindrical form hingedly connected at one of its ends to said hinge pin and adapted to nest within the depressed central body portion of another like one of said master clip elements and to be locked therein by means of an ammunition round when pressed into clamping engagement between the spring finger elements thereof, said clip tongue element having a laterally bent end ledge portion adapted to engage over the abutment wall portion of the next adjacent of said master clip elements for fixing said elements against relative rotational movement when engaging a cartridge.

2,345,341
RESETTING MECHANISM FOR WEFT REPLENISHING LOOMS
Victor H. Jennings, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application July 29, 1942, Serial No. 452,738, now Patent No. 2,326,863, dated August 17, 1943. Divided and this application May 8, 1943, Serial No. 486,240
6 Claims. (Cl. 139—264)



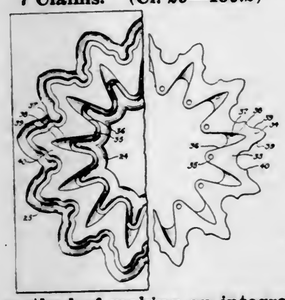
1. In thread control mechanism for a loom having a lay to operate the latch of a transferrer arm and having also a shaft which rocks from normal to transfer position preparatory to a replenishing operation of the loom, a combined thread cutter and clamp unit connected to the shaft to be moved from normal to thread receiving position when the shaft moves to transfer position and move back to normal position when the shaft returns to normal position, a lever secured to the shaft and moving with the latter from normal to transfer position, means connecting the lever to the transferrer latch providing a lost motion connection to move the latch to position for operation by the lay when the shaft turns to transfer position and permitting movement of the lever to normal position while the latch is engaged with the lay, and other means connected to the transferrer arm and the lever providing a lost motion connection between the transferrer arm and the lever so constructed as to permit movement of the lever to transfer position independently of movement of the transferrer arm but requiring the lever to move from transfer to normal position when the transferrer arm is operated by the lay.

2,345,342
LABEL, TAG, AND THE LIKE
Walter Kahn, Middelburg, Transvaal, Union of South Africa
Application November 18, 1941, Serial No. 419,542
In the Union of South Africa August 13, 1941
3 Claims. (Cl. 229—74)



1. A combined label, tag or the like device, including a receptacle constituting a transparent walled pocket for accommodating a sample of the container or package to which the device is intended to be attached, said device having one side wall of opaque sheet material comprising the label proper, while the other or opposing side wall consists at least partly of flexible and transparent sheet material secured at two opposite peripheral edges and one end to said label proper, the other end of both side walls being separate to form an opening or mouth adapted to be retained closed by securing means passing through corresponding holes in said side walls at said other end, the device also having a flap located adjacent to and within said opening and terminating in a loose end directed inwardly so as to form a non-return valve for automatically closing the opening of said pocket in order to prevent accidental loss of the contents of the latter.

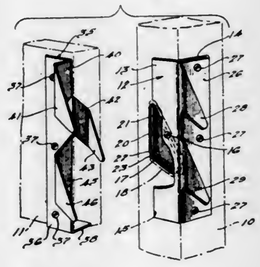
2,345,343
SPROCKET GEAR AND METHOD OF MAKING THE SAME
Kaufman T. Keller, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 29, 1942, Serial No. 428,740
7 Claims. (Cl. 29—159.2)



7. The method of making an integral rim and tooth structure which comprises heating a ring

shaped blank, and hammering said blank between dies to conform to an integral ring and laterally extending tooth structure and simultaneously crowding the metal on respectively opposite sides of the central portions of the root end and adjacent parts of each tooth laterally outwardly in the plane of said ring toward the side edges of said teeth in order to bring the flow lines of such metal into longitudinally extending conformity with the side edges of said teeth.

2,345,344
FITTING FOR ATTACHING SIDE RAILS TO CORNER POSTS
John Ketola, Detroit, Mich.
Application October 15, 1942, Serial No. 462,072
9 Claims. (Cl. 5—295)

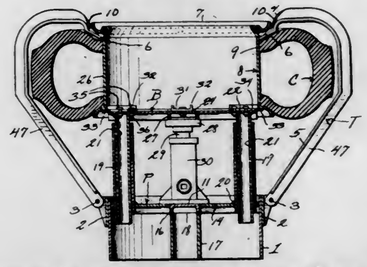


2. A connection comprising an elongated sheet metal plate having a pair of sheaths formed integrally with the plate and projecting angularly from one side edge thereof in spaced relation, a third sheath formed integrally with the plate and projecting angularly from the other side edge thereof with the third sheath disposed intermediate the pair of sheaths in a direction lengthwise of the plate, a second plate, and blades on one edge of the second plate and projecting into the sheaths respectively, said blades comprising portions integral with the second plate and bent away from the latter and then into substantially parallel relation thereto with alternating portions bent away from opposite sides of the plate.

2,345,345
MANUFACTURE OF RAYON
Theodoor Koch, Oosterbeek, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application April 1, 1940, Serial No. 327,291. In Germany August 1, 1939
3 Claims. (Cl. 18—54)

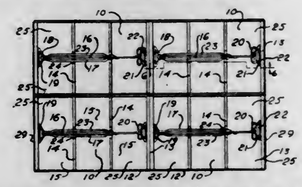
1. A method of manufacturing viscose threads of wool-like character which comprises dispersing casein in an alkaline solution and heating the dispersion to hydrolyze the casein to an extent sufficient to be homogeneously mixed with a viscose solution, saturating the free amino groups of the casein with formaldehyde, mixing the casein-formaldehyde solution with a viscose solution, spinning the mixture through an acid precipitating bath to form threads therefrom and completing the regeneration of the threads in a second bath maintained at a temperature of about 85° C. while stretching the same, whereby substantially the entire casein content is retained in the thread and may be dyed with acid wool dyes.

2,345,346
TIRE REMOVING DEVICE
Lawrence Larson, La Crosse, Wis., assignor to Gateway City Transfer Company, Inc., La Crosse, Wis., a corporation of Wisconsin
Application July 24, 1941, Serial No. 403,909
1 Claim. (Cl. 157—6)



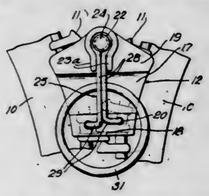
A device for removing a tire carcass from a rim including a tubular base, a platform arranged within and carried by the base at the upper portion thereof, a support depending from the central portion of the platform and having its lower end substantially co-planar with the lower end of the base, upstanding guide members carried by the platform adjacent to the base and spaced circumferentially around the platform, a second platform above the first platform, elongated depending members carried by the second platform and having telescoping engagement with the guide members, a plurality of tire engaging hooks pivoted to the upper marginal portion of the base and adapted to swing across the edge of the first platform, a thrust unit positioned between the platforms for forcing the second platform away from the first platform, said unit having only pressing engagement with the two platforms whereby the unit may be slipped into and out of working position between the platforms, flat rim-supporting plates carried by the second platform at spaced points thereon for adjustment radially of said second platform, each of said plates having a slot, and means for holding each of the plates to the second platform in selected radial adjustment.

2,345,347
ARTICLE HANDLING APPARATUS
James K. McLeod, St. Paul, Minn., assignor of one-third to Henry F. Carmody, Minneapolis, and one-third to Reuben Hove, St. Paul, Minn.
Application December 8, 1941, Serial No. 422,183
14 Claims. (Cl. 206—65)



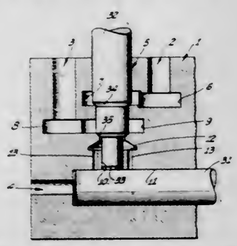
1. An apparatus of the character described, comprising a plurality of separate carriers each consisting of a base and spaced apart side and end walls extending upwardly from said base, means constituted as partitions within and a collapsible handle for each of said carriers for dividing the carriers into separate compartments each adapted to receive an article, and means for releasably clamping said carriers to each other with side and end walls of different ones of the carriers, respectively, in abutting relation.

2,345,348
LOCK SLIDER FOR SEPARABLE FASTENERS
Davis Marinsky, Bronx, N. Y., assignor of one-half to Louis H. Morin, Bronx, N. Y.
Application May 7, 1942, Serial No. 442,004
10 Claims. (Cl. 24—205.5)



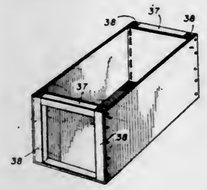
10. In a slider for separable fasteners comprising spaced walls partly defining channels, said walls having a wide end and converging to a narrow end, the improvement which comprises a pin and a retaining rib spaced therefrom, each of which project from one wall of said slider at the wide end thereof, the retaining rib having portions disposed about and in spaced relation to the pin and defining therewith a socket, said portions converging and terminating in spaced walls defining a gate communicating with said socket; and a lock element comprising a loop portion, at one end, retained in said socket between said rib and pin, a resilient arm portion extending from said loop and through said gate, said arm portion normally lying on and engaging the outer surface of the slider wall, the slider wall having an aperture at the narrow end thereof, said lock element having, at the end thereof opposite the loop portion, a detent extending through said aperture, said slider wall having a transverse recess therein bridged by the arm portion of the lock element and forming with said arm portion a bearing for a pull member, said pull member being slidably and rotatably mounted in said bearing; the surfaces of said recess being cammed in relation to the lock element whereby sliding movement of the pull member in said bearing is adapted to cause movement of the lock element away from and toward the said surface of the slider wall and thereby disengagement and engagement of said detent with the fastener links.

2,345,349
METHOD OF REAMING VALVE SEATS
Otis C. Martin, Los Angeles, Calif.
Original application April 20, 1940, Serial No. 330,752. Divided and this application March 16, 1942, Serial No. 434,813
4 Claims. (Cl. 90—12.5)



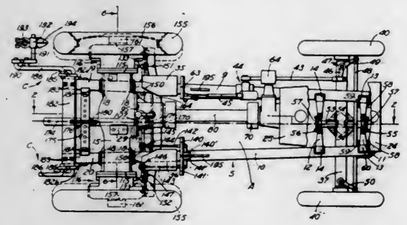
1. The method of forming in a valve chamber bore a valve seat in a precisely predetermined location relative to a cam shaft bore intersecting said chamber bore which consists in placing a cylindrical dummy cam shaft in said cam shaft bore, placing a reamer in said chamber bore and reaming to move said seat toward said cam shaft bore, and interposing a stop member of predetermined length between said dummy cam shaft and said reamer to stop said reaming when said seat has been moved to said predetermined location.

2,345,350
CARTON
Lorraine J. Markwardt and Therwald A. Carlson, Madison, Wis., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office
Application August 10, 1940, Serial No. 352,052
3 Claims. (Cl. 229—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



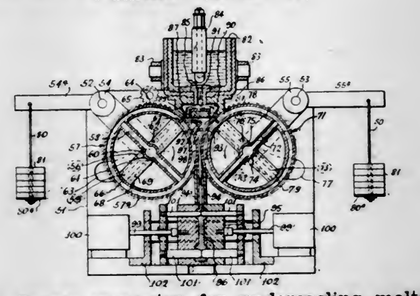
1. A carton having a double thickness base section, side walls integral with one thickness of base section, and end walls integral with the other thickness of base section, said side walls extending beyond the end walls, disconnected cleats for securing said side walls to said end walls, each cleat being secured to an extending portion of a side wall exterior to the carton and to the adjacent end wall.

2,345,351
TRACTOR
Ira D. Maxon, Max Sklovsky, and Willard H. Nordenson, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 5, 1937, Serial No. 172,906
40 Claims. (Cl. 180—1)



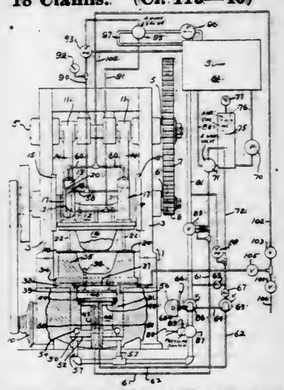
7. A tractor comprising an engine, a transmission shaft, and gear mechanism connected together in fore and aft alignment, a rear axle disposed transversely and connected to said gear mechanism, a rear axle housing enclosing said axle and having a chamber for enclosing said gear mechanism, said chamber being offset toward one end of said housing, a supporting wheel at each end of said axle housing, and an operator's seat fixed to said rear axle housing and disposed in offset relation to said aligned gear mechanism, transmission shaft, and engine toward the other end of said axle housing, whereby a straight ahead view of the ground is obtained from the operator's station unobstructed by the transmission shaft.

2,345,352
APPARATUS AND METHOD OF PRODUCING PRODUCTS FROM UNDERCOOLED MOLTEN METAL
Joseph M. Merle, Pittsburgh, Pa.
Original application July 1, 1938, Serial No. 216,968. Divided and this application November 14, 1941, Serial No. 419,118
7 Claims. (Cl. 22—57)



1. In an apparatus for undercooling molten metal and producing solid metal products of a primary crystal structure therefrom, a frame, a pair of rolls mounted on said frame for rotational movement with respect thereto about a pair of parallel spaced horizontal axes, means for driving said rolls at the same speeds in opposite directions, means for discharging a consolidated stream of molten metal onto at least one of said rolls in such a manner that at least one of said rolls will undercool and shape said stream of molten metal into a thin film and discharge said film by impact into a forming member disposed beneath said rolls, and a separate floating mounting for each of said rolls, urging said rolls towards each other to provide a predetermined relatively thin spacing between said rolls, but permitting movement of said rolls away from each other.

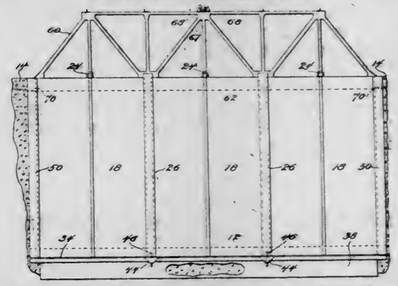
2,345,353
DRAW PRESS
Charles C. Misfeldt, Glendale, Calif.
Application August 4, 1941, Serial No. 405,314
18 Claims. (Cl. 113—46)



1. In combination with a forming press having means thereon for imparting to a press die continuous cyclic strokes of uniform length, a bed for said press comprising a bed plate for holding a bed die mating with said press die, and hydraulic means for moving said bed toward said press die along the line of stroke of the latter during operation thereof.

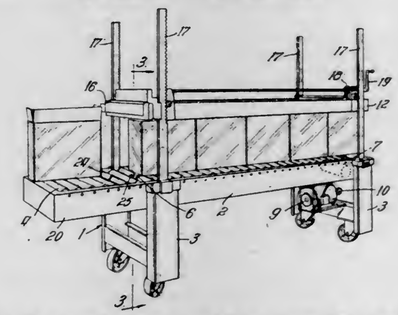
16. The method of forming a sheet metal blank which comprises placing said blank between dies, cyclically reciprocating one if said dies with a uniform length of stroke, and moving the other die in successive increments timed with the strokes of said first die, toward said first die during continuous reciprocation thereof.

2,345,354
SHIPBUILDING BASIN
Ray A. Moncrieff, Newton Center, Mass., assignor to Charles T. Main, Inc., Boston, Mass., a corporation of Massachusetts
Application October 24, 1942, Serial No. 463,170
7 Claims. (Cl. 61—64)



1. In a shipbuilding basin, a gate for the mouth thereof comprising a plurality of gate sections adapted to be positioned across the mouth of the basin, and supporting means therefor including vertical stanchions intermediate the gate sections and a truss bridging the mouth of the basin and supporting the upper ends of the stanchions, the gate sections, stanchions and truss being removable to open the basin.

2,345,355
CONVEYER DRIVE
Morris P. Neal, Quincy, Ill., assignor to A-B-C Packaging Machine Company, Quincy, Ill.
Application October 30, 1941, Serial No. 417,119
6 Claims. (Cl. 198—135)



1. In a packaging machine, means for advancing the article in the machine, means for starting the action of said advancing means when the leading edge of an article has reached a certain predetermined station on the machine, and means for discontinuing the action of the advancing means when the trailing edge of the article has passed a point preceding that at which the leading edge actuated the starting means and separated therefrom by a distance substantially equal to the distance which the article will move by inertia, after the power actuating the advancing means has been disconnected.

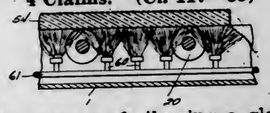
2,345,356

PROCESS OF MANUFACTURING MIRRORS

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Original application December 21, 1939, Serial No. 310,408. Divided and this application December 19, 1940, Serial No. 370,775

4 Claims. (Cl. 117—35)



4. In the process of silvering a glass plate to form a mirror by applying a stannous chlorid solution to one surface of the plate as a sensitizing agent, then rinsing the surface and applying a silvering solution to said surface to deposit a film of silver, the step comprising contacting the remaining surface with water during at least one of the operations of sensitizing and silvering, in order to prevent deposition of silver upon said remaining surface.

2,345,357

ROSIN-DRYING OIL-MODIFIED PHENOL-FORMALDEHYDE RESIN

Paul O. Powers, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application December 20, 1940 Serial No. 370,964

8 Claims. (Cl. 260—19)

1. A viscous product obtained from the condensation of formaldehyde with a mixture of about 40% to 75% of a para-substituted phenol having two unsubstituted reactive positions and about 25% to 60% of a phenol having at least three unsubstituted reactive positions, the formaldehyde in the initial reaction mixture being present in the proportion of about 1½ to 2 moles per mole of phenols and the condensation being carried out under alkaline conditions for a time and at a temperature to effect combination with the phenols of substantially all the formaldehyde that enters into the condensation to produce a fluid product of the dialcohol type, the subsequent heating of 20 to 100 parts by weight of said phenol-formaldehyde resin with 100 parts by weight of rosin gradually to a temperature of the order of about 225° C. to 250° C., the subsequent heating of said rosin-modified phenol-formaldehyde resin with at least an equal weight of drying oil at a temperature of the order of 260° C., and the subsequent at least partial neutralization of said last-mentioned product by reacting it with a polyhydric alcohol at a temperature of the order of 275° C. to 280° C.

2,345,358

CATALYTIC PROCESS OF DEHYDRATING AND HEAT-BODYING

Alfred E. Rheineck and Samuel B. Crecelius, Louisville, Ky., assignors to Devoe and Raynolds Company, Inc., a corporation of New York

No Drawing. Application April 7, 1941, Serial No. 387,180

13 Claims. (Cl. 260—405.5)

1. The process of treating castor oil to simultaneously dehydrate it and body it, which comprises heating such oil progressively to reach a temperature of between 250° C. and 350° C. with between 0.005% and 0.2% of a heteropoly acidic compound of tungsten.

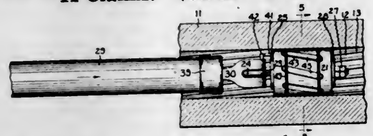
2,345,359

MANUFACTURE OF RIFLED GUN BARRELS

William C. Rickrode, Manchester Township, York County, Pa., assignor to York Safe and Lock Company, York, Pa., a corporation of Delaware

Application July 22, 1942, Serial No. 451,819

11 Claims. (Cl. 51—184.2)



1. A honing tool of the character described comprising, a body having in its outer surface longitudinally spaced spirally disposed grooves, a block of abrasive material in each groove, an operating handle, means for connecting the operating handle with said body so that said body is freely movable in both rectilinear and rotatable directions with respect to said handle, and means carried by said handle and engageable with means carried by said body for transmitting rotative forces imparted to said handle to said body.

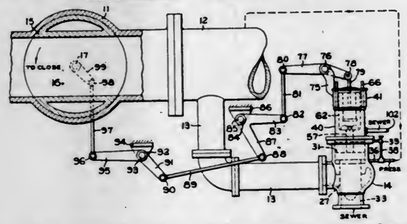
2,345,360

CONTROL SYSTEM

Burwell B. Smith and Earl E. Hilker, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application October 14, 1942, Serial No. 461,962

11 Claims. (Cl. 137—78)



7. The combination with a main pipe having a main valve therein for controlling the flow of fluid therethrough, said main valve having a gate, a relief valve connected to the main pipe and having a discharge port and a valve for controlling communication through said discharge port, an operating piston attached to said relief valve, said piston having differential areas subject to fluid pressure and so arranged that the relief valve is normally held closed by pressure acting on its larger area, means for controlling the operation of said piston, and means operatively connecting said piston controlling means with said main valve gate, said piston controlling means being arranged to keep the pressure bottled up on the side of said piston of larger area when the main valve gate is operated at less than a predetermined rate and being arranged to operate so as to relieve the pressure acting on the side of said piston of larger area when the main valve gate is operated from open towards closed position at a rate greater than the predetermined rate.

2,345,361

CONTROL SYSTEM

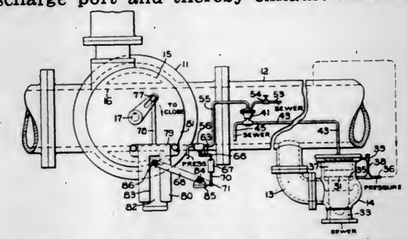
Burwell B. Smith and Earl E. Hilker, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application October 20, 1942, Serial No. 462,684

5 Claims. (Cl. 137—78)

1. The combination with a main pipe line having a check valve therein for automatically con-

trolling the flow of fluid therethrough, said check valve having a rotatable gate, a relief valve device connected to the main pipe and having a discharge port and a valve for controlling communication through said discharge port, said relief valve normally closing said discharge port when the check valve gate is in open position, said relief valve being arranged to retain the discharge port closed when said valve gate is operated from open towards closed position at a predetermined rate, an operating piston attached to said relief valve, said piston having differential areas so that the relief valve is normally held closed by pressure acting on its larger area, an exhaust valve device for controlling the operation of said relief valve piston, said exhaust valve device having a chamber connected to the piston chamber of larger area and a normally closed pressure operated valve arranged to be operated to open position by a predetermined increase in fluid pressure for establishing communication from said exhaust valve devise chamber to a free discharge whereby operating fluid in said piston chamber of larger area is discharged to the free discharge of said exhaust valve device so as to effect operation of said relief valve to establish communication from the main pipe through said discharge port and thereby exhaust fluid under



pressure from said main pipe, an admission valve device having a fluid chamber connected to said exhaust valve device by which fluid is supplied to operate the exhaust valve, a valve for admitting fluid under pressure from a source of fluid supply to said admission valve device fluid chamber, means for operating said admission valve including a dash pot device having a fixed guide, a dash pot cylinder mounted for rectilinear movements in said guide, a piston mounted within said dash pot cylinder, means for controlling the operation of the piston within said dash pot cylinder whereby said cylinder is moved by said piston and whereby said piston is moved relatively with respect to said cylinder, means operatively connecting said dash pot cylinder to said admission valve for operating said admission valve when said dash pot cylinder moves rectilinearly in its guide, and means operatively connecting said dash pot piston to said check valve gate, said dash pot device being so constructed and arranged that movement of the check valve gate toward closed position at greater than the predetermined rate effects movement of the dash pot cylinder and that movements of the check valve gate toward closed position at less than the pedetermined rate effect movement of the dash pot piston relative to said dash pot cylinder.

2,345,362

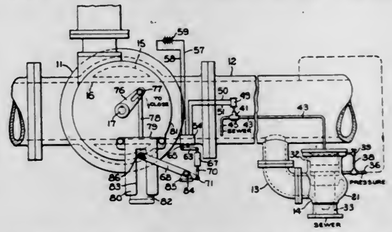
CONTROL SYSTEM

Burwell B. Smith and Earl E. Hilker, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application October 21, 1942, Serial No. 462,806

4 Claims. (Cl. 137—78)

1. In a control system of the type described, the combination with a main pipe having a check valve therein for automatically controlling the flow of fluid therethrough, said check valve having a gate, of a relief valve connected to the main pipe and having a discharge port and a valve for controlling communication through said discharge port, said relief valve normally closing the discharge port when the check valve gate is in open position and being arranged to retain the discharge port closed when the check valve gate is operated at a predetermined rate, an operating piston attached to said relief valve, said piston having differential areas so that the relief valve is normally held closed by pressure acting on its larger area, an exhaust valve device having a chamber in communication with the chamber in which the pressure acts on the larger area of the piston, said exhaust valve device having a solenoid operated valve arranged to be operated when the solenoid is energized for establishing communi-



cation from said exhaust valve chamber to a free discharge whereby operating fluid in said piston chamber of large area is discharged through the free discharge of said exhaust valve so as to relieve the pressure acting on said larger area of the piston to thereby effect operation of said relief valve to establish communication from the main pipe through said discharge port so as to exhaust fluid under pressure in said main pipe, an electric switch device for controlling the supply of electric current to energize said solenoid and means operatively connecting said electric switch device with said check valve gate for effecting operation of said switch device, said means being arranged to operate said switch device to energize said solenoid only on closing of said check valve gate at a rate greater than a predetermined amount, said means being so constructed and arranged that it effects opening of said switch a predetermined time after closing of said check valve.

2,345,363

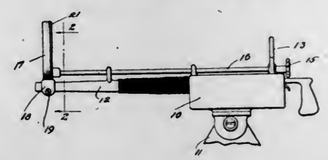
GUN SIGHT AND MOUNTING

Frank M. Smith, Lynn, Mass.

Application September 29, 1942, Serial No. 460,056

In Canada July 2, 1942

5 Claims. (33—53)



1. An improved gun sight for guns, rifles and the like comprising in combination, a front sight comprising an aperture having a plurality of fixed vertical lines, the said aperture being fixed to the said gun, a second aperture having a plurality of rotatable parallel lines located concen-

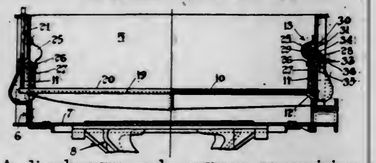
trio with the first aperture, and means controlled from the breech end of the gun for rotating said second aperture and parallel lines to present varying angles with the vertical lines on the fixed aperture.

2,345,364

DIAPHRAGM SCREEN

Claude L. Spafford, Sherbrooke, Quebec, Canada, assignor to Sherbrooke Machineries Limited, Sherbrooke, Quebec, Canada

Application April 9, 1942, Serial No. 438,316
5 Claims. (Cl. 92—30)



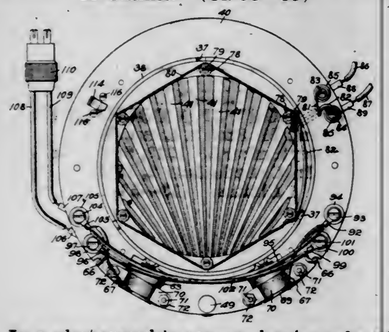
1. A diaphragm pulp screen comprising a vat provided with screen plate supports, screen plates arranged in said vat with marginal edges thereof resting on said supports, sealing strips overlying supported edges of said plates and a plurality of removable clamping devices engaging the upper edge of each sealing strip and exerting downward pressure thereon, each of said clamping devices comprising a hollow clamping member resting on the upper edge of one of said sealing strips, a pressure applying bolt having its upper end fitted in cavity in said clamping member and provided with a cross pin having its ends removably fitted in grooves provided in opposite side walls of said cavity, said bolt extending downwardly and outwardly through an inclined bolt opening provided in a side wall portion of the vat, a nut threaded onto the lower end of the bolt and means at the lower end of the bolt opening affording an abutment surface for said nut.

2,345,365

PHOTOGRAPHIC SHUTTER, PARTICULARLY ADAPTED FOR AERIAL PHOTOGRAPHY

Oscar Steiner, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application October 9, 1942, Serial No. 461,396
33 Claims. (Cl. 95—59)



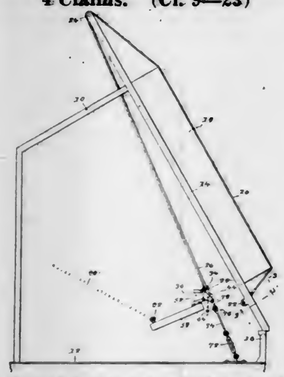
1. In a photographic camera having a lens barrel with an objective lens, a shutter basal plate with attaching means by which it may be readily attached to and detached from said lens barrel in substantial parallelism, and in close proximity, to an element of said lens, and a shutter and a heater therefor both mounted upon said basal plate, so as with said plate to constitute a readily removable unit.

2,345,366

AUTOMATIC RELEASING HOOK FOR LIFE-SAVING CRAFTS

Julius Szodomka, New Orleans, La.

Application October 16, 1942, Serial No. 462,297
4 Claims. (Cl. 9—23)



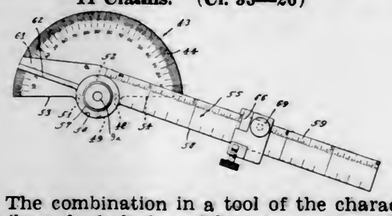
1. In a vessel having an inclined support and a life craft mounted on the support, the combination of a flexible life craft supporting line means having its ends fixedly related to the vessel and looped about the life craft and the support to hold the life craft on the support, a float actuated releasing means interposed in said line means for disuniting the latter and releasing the life craft when the float is brought into the water, and means for latching said releasing means against accidental life craft releasing operation.

2,345,367

SCRIBING TOOL

Harry H. Thorne, Rockford, Ill.

Application January 29, 1942, Serial No. 428,748
11 Claims. (Cl. 33—26)



1. The combination in a tool of the character described of a hub shaped for reception in a hole of a work piece, means for centering and securing the hub therein, a protractor scale of substantially greater diameter than the hole to overlie the work piece in face contact therewith concentrically positioned on said hub for angular movement about the center thereof, said protractor scale having a scribing edge radiating from said center, and locating means acting between the hub and the protractor scale for locating the protractor scale with said scribing edge at any of a plurality of predetermined fixed angular positions with respect to the hub.

2,345,368

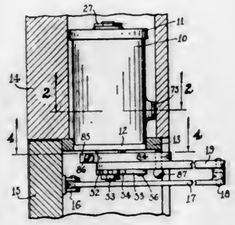
DOOR CLOSER

Henry G. Voight and Sigurd Brantingson, Hamden, Conn., assignors to Sargent & Company, New Haven, Conn., a corporation of Connecticut

Application November 16, 1942, Serial No. 465,676
13 Claims. (Cl. 16—58)

1. A door closer comprising a casing, an arm rotatably connected to the casing and adapted to

be connected to the door, a spring in the casing to urge said arm in a direction to close the door, a movable check member in a portion of the casing, releasable means connecting said member to



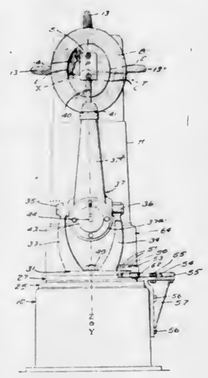
said arm, whereby when said connection is released, said member may be moved independently of said arm, and means connecting the arm to either end of the spring whereby the latter may be wound by rotation of the arm in either direction.

2,345,369

HAT CROWN POUNCING MACHINE CONSTRUCTION

Burling D. Wells, Danbury, Conn., assignor to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut

Application May 7, 1943, Serial No. 485,987
5 Claims. (Cl. 223—20)



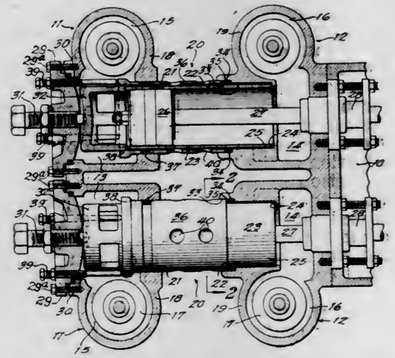
1. A crown pouncing machine comprising means for rotatably supporting a hat body for rotation about a horizontal axis, a pouncing tool having an operative face of substantial area for engagement with the crown of the hat body, a rotatable carrier having means mounting it for rotary movement about a vertical axis, a frame having means for supporting said tool and for biasing it toward and against the crown of the hat body, means mounting said frame on said carrier for pivotal movement relative thereto about a vertical axis displaced from the axis of said carrier, cam and cam follower means for pivoting said frame and hence said tool about said second vertical axis and operating in response to rotary movement of said carrier about said first vertical axis to change the plane of the tool as the latter traverses the side, square, and tip of the crown, and driving means for said carrier to effect motion of translation of said frame and to effect coaction between said cam and cam follower means.

2,345,370

REPLACEABLE LINER CONSTRUCTION FOR MUD PUMPS

Jesse P. Whann, Los Angeles, Calif., and Julio Zumeta, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California

Application May 11, 1942, Serial No. 442,406
10 Claims. (Cl. 309—3)



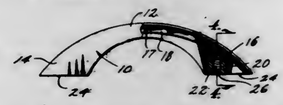
6. In a cylinder and liner device of the character described, the combination of: a hollow body structure having a pair of spaced working chambers with inner walls separated by a space which is substantially open to the exterior of the hollow body structure, said inner walls having aligned liner openings therein, one of said working chambers having a removable wall to provide a liner access opening aligned with said liner openings; a liner insertable through said liner access opening to a fixed position wherein the ends thereof will communicate with said chambers through said liner openings of said inner walls; and sealing means around said liner to resist leakage of fluid through said liner openings and around the exterior of said liner into said open space, said sealing means being actuatable independently of said liner, and including packing elements in said liner openings, a spacer cage between a pair of said packing elements, a compression collar engageable with one of said packing elements, and clamping means for said collar extending through said removable wall.

2,345,371

INSERT FOR MOLDED ARTICLES

Leclare H. Amrine, Chicago, Ill., assignor to Imperial Molded Products Corporation, Chicago, Ill., a corporation of Illinois

Application November 10, 1941, Serial No. 418,471
6 Claims. (Cl. 18—59)

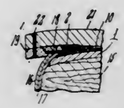


5. In a molded handle composed of non-metallic material having an initially plastic consistency during the molding process and having a brittle homogeneous consistency of relatively great rigidity in final form the combination of an insert of dense non-metallic material relatively softer and non-rigid in consistency having in finished form an aperture extending therethrough, said insert having a roughened surface

on the exterior portions embedded in the handle and a face at one end thereof exposed, said handle having an aperture extending part way through in axial alignment with the aperture in the insert, said apertures having a continuous screw thread for reception of a screw inserted into the handle.

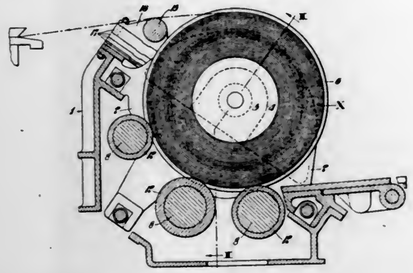
6. A method of molding plastic articles having inserts therein comprising preparing a non-metallic insert of tough material having relatively great tensile strength characterized by an absence of rigidity and brittleness by shaping said insert into a form non-circular in cross section, roughening the outer surfaces and extending a longitudinal, substantially round hole therethrough, locating the insert in a mold having a relatively round inwardly projecting portion of greater length than the depth of the hole by application of the hole over said inwardly projecting portion of the mold, depositing molding material in the mold and around said projecting portion and said insert, applying heat and pressure to the material in the mold, thereby forcing said material onto the roughened surface of said insert and compressing the material of said insert around the projecting portion, rendering said material stiff and rigid thereby forming rigid laterally confining walls for said insert, removing said mold and projecting portion leaving a round aperture extending continuously through the insert and into the molded material and then tapping the round aperture in both said insert and the molded article to produce a continuous thread wherein the outer threads are of non-rigid and the inner threads are of rigid consistency.

2,345,372
SHOE AND METHOD OF MAKING SAME
Fred L. Ayers, Watertown, Mass.
Application July 3, 1941, Serial No. 400,919
8 Claims. (Cl. 12—142)



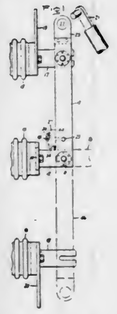
1. The method of making a shoe which comprises providing an innersole having a relatively thin, flexible folded hinge-tape having one leaf thereof adhesively secured to and extending about the margin of at least the forepart of the innersole and with the free edge of the leaf disposed nearer to the edge of the innersole and having a flexible reinforcing fabric adhesively secured to the innersole inwardly and adjacent to said fold-line and extending over and adhesively secured to the other leaf of said folded hinge-tape, whereby the marginal portion of said flexible reinforcing fabric may be folded about said fold-line, acting as a hinge-line, fastening the upper material and a felt strip to said hinged marginal portion of said reinforcing fabric by a line of stitches extending through the welt strip and through the marginal zone of said upper material and through said hinge-tape and through the marginal portion of the reinforcing fabric near said hinge-line, folding inwardly said marginal portion of the reinforcing fabric and the leaf of the hinge-tape adhered thereto, and cementing said inturned marginal portion of the reinforcing fabric upon itself and cementing an outsole to said welt and to said inturned marginal portion of reinforcing fabric.

2,345,373
UNCOILING APPARATUS
Maurice D. Ayers, Pittsburgh, Pa.
Application October 24, 1941, Serial No. 416,413
2 Claims. (Cl. 242—78)



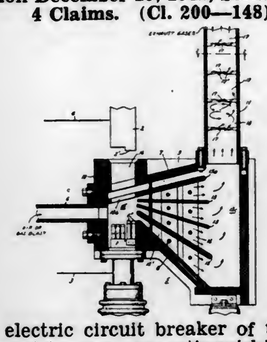
1. Apparatus for uncoiling coiled material, comprising, in combination, a pair of freely rotatable side guiding members for contact with the edges of the coil, at least one rotatable element for supporting the coil, and a rotatable guide over which the material passes, said guide being mounted on an axis fixed with respect to the axis of the said guiding members and positioned so as to overlie the forward portion of the coil, said guide retaining at least the last convolution of the material beneath said guide whereby the said convolution is substantially straightened.

2,345,374
ELECTRIC SWITCH
Charles H. Bayer, Wynnewood, Pa., assignor to General Electric Company, a corporation of New York
Application November 14, 1942, Serial No. 465,548
8 Claims. (Cl. 200—169)



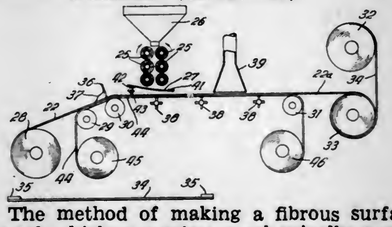
1. Means for limiting the amount of angular movement in one direction of the hinged blade of a disconnecting switch comprising a latch support having two angularly disposed faces in engagement with two similarly angularly disposed faces of the switch blade, means projecting through said support and the switch blade for rigidly securing each to the other, a latch mounted on said latch support for limited movement in a direction to overlap the switch blade hinge when the blade is moved in one direction a predetermined amount from a closed circuit position to prevent further movement of the blade in said one direction, and means for effecting said movement of said latch.

2,345,375
ELECTRIC CIRCUIT BREAKER
Robert M. Bennett, Ithan, Pa., assignor to General Electric Company, a corporation of New York
Application December 19, 1942, Serial No. 469,519
4 Claims. (Cl. 200—148)



1. An electric circuit breaker of the gas blast type comprising an arc extinguishing chamber, said chamber including vaporizable insulating structure, means including a gas blast for interrupting the arc formed upon opening of the circuit within said chamber, an exhaust passage for venting the blast gases from said chamber, said gases including combustible gases and carbon and metal particles from said chamber, and means disposed in said exhaust passage for imparting to said gases a whirling motion progressing toward the exhaust end of said passage so that turbulence of said gases is promoted within said passage and solid particles in said gases are precipitated to the passage walls by centrifugal action thereby minimizing flame at the atmospheric exhaust of said passage.

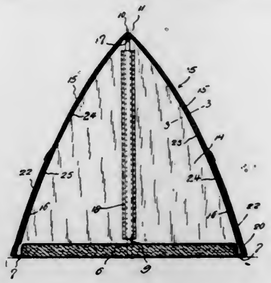
2,345,376
METHOD OF MAKING FLOCKED FLOOR COVERINGS
Virgil H. Bodle and George W. Blair, Mishawaka, Ind., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application December 20, 1939, Serial No. 310,112
5 Claims. (Cl. 117—16)



1. The method of making a fibrous surfaced material which comprises mechanically propelling relatively straight fibres of appreciable length forcibly against an adhesive coated surface of the material, and physically guiding the propelled fibres along a series of laterally adjacent channels in an endwise direction toward the material.

2,345,377
SLEEPING TENT
Jessie Bowen, Wardville, Okla.
Application May 22, 1942, Serial No. 444,099
1 Claim. (Cl. 135—1)

In a tent, a cover including a top, side and end walls, a strip having opposite edges thereof secured to the top wall to receive and thereby removably secure a reach pole to said top wall, strips having opposite edges secured to the end walls to receive supporting poles attachable to

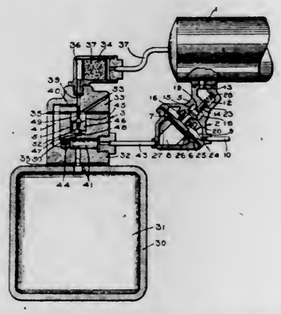


ends of the reach pole, strips having opposite edges secured to the top and side walls, and curved staves removably received by the last mentioned strips with an end of each stave terminating close to the reach pole.

2,345,378
COFFEE EXTRACTION PROCESS
Robert Louis Brandt, New York, N. Y., assignor to Coffee Products Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 24, 1942, Serial No. 435,951
9 Claims. (Cl. 99—71)

1. The process for separating the valuable flavor and aroma compounds from roasted coffee beans which comprises extracting roasted coffee with liquid sulfur dioxide.

2,345,379
DRAIN VALVE MECHANISM
James A. Campbell, Oakland, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 2, 1942, Serial No. 449,527
8 Claims. (Cl. 303—88)



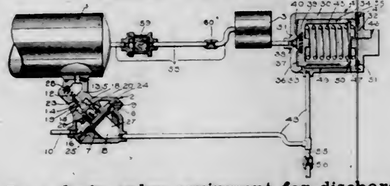
1. In an automatic drainage apparatus for periodically discharging condensate from an air storage reservoir, in combination, a valve device operative to eject condensate from said reservoir in response to either an increase or a decrease in pressure of air in a chamber, a timing reservoir communicating with said chamber, means for supplying air under pressure to said timing reservoir, and valve means responsive to a predetermined increase in timing reservoir pressure to vent air from said chamber.

2,345,380

DRAIN VALVE MECHANISM

Walter B. Kirk, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 30, 1942, Serial No. 452,882
5 Claims. (Cl. 303—88)



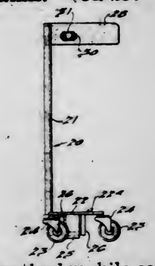
1. In a drain valve equipment for discharging condensate accumulating in a receptacle for compressed air, the combination therewith of an automatic drain valve device having valve means responsive to variations in fluid pressure in a chamber for ejecting water deposited in said receptacle, a timing reservoir having an always open but restricted communication with said receptacle, and reciprocating valve means operative upon a predetermined increase in the pressure of air in said timing reservoir for establishing communication therefrom to said chamber.

2,345,381

LIFTING AND PORTABLE MOVING IRON

Joseph C. Chenette, Flat Rock, Mich.

Original application June 5, 1940, Serial No. 338,849. Divided and this application August 4, 1941, Serial No. 405,377
5 Claims. (Cl. 280—61)



1. A rubber sheathed mobile carrying iron comprising an elongated bar terminating at one extremity in a hooked end normal thereto, a bearing member having an arcuate outer face arranged to contact the article being carried welded to the opposite end of said bar, on the same lateral side thereof, as said hooked end, a hand hold member extending from the opposite face of said bearing member and at right angles to said hooked end, a second hook member fixed to said first hooked end but at a right angle thereto and extending oppositely to said hand hold, and an integral laterally offset portion upon said first hooked end arranged to swivelly mount a pair of spaced castered wheels whereby said elongated iron is self-standing and movable thereon.

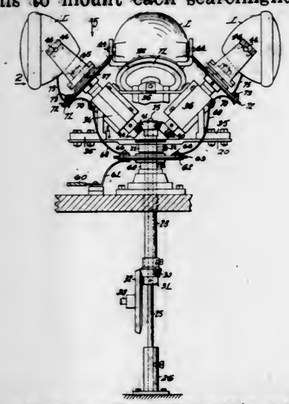
2,345,382

ILLUMINATING APPARATUS

Bruce Cramer, Tolland, Conn.

Application February 1, 1943, Serial No. 474,235
2 Claims. (Cl. 240—49)

1. Illuminating apparatus comprising a plurality of separate searchlights, a rotatable support for said lights, means to move said lights bodily with said support in a plane circular path, means to simultaneously rotate each light individually about a separate and additional axis which is disposed at a substantial acute angle with respect to the plane of said circular path, and means to mount each searchlight with its



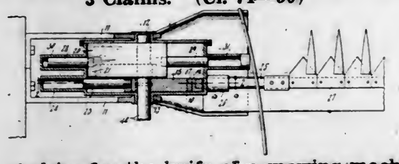
axis disposed at a substantial acute angle to the axis of its separate and additional shaft, rotation of said lights with said support effecting simultaneous swinging movements of each searchlight beam between a position substantially parallel to the axis of the rotatable support and a position substantially perpendicular thereto.

2,345,383

MOWING MACHINE

John S. Curtis, Tulare, Calif.

Application December 31, 1941, Serial No. 425,069
3 Claims. (Cl. 74—50)



1. A drive for the knife of a mowing machine including in combination a driving shaft, a pair of cams mounted adjacently upon said shaft with the throw of one diametrically opposite to that of the other, a pair of yokes each of which is actuated by one of said cams, one of said yokes being directly connected to said knife to reciprocate the same and the other said yoke having sufficient mass rigid therewith to compensate for vibrations due to the reciprocating motion of said knife blade in either direction.

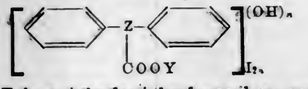
2,345,384

POLY IODIZED DERIVATIVES OF THE HYDROXY DIPHENYL CARBOXYLIC ACIDS AND A PROCESS FOR PREPARING THE SAME

Max Dohrn, Berlin-Charlottenburg, and Paul Diedrich, Finkenkrug, Osthavelland, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application April 6, 1940, Serial No. 328,236. In Germany May 20, 1939
4 Claims. (Cl. 260—520)

4. Polyiodo derivatives of hydroxy diphenyl carboxylic acids of the formula



wherein Z is a trivalent hydrocarbon residue of an acid of the acetic acid series, and Y is a member of the class consisting of hydrogen and alkali metals, *n* being an integer having a maximum value of 2, there being no more than one hydroxyl group on either phenyl radical, and the iodine occupying the 3 and 5 positions of a phenyl radical having a hydroxyl group, said hydroxyl group being in ortho position to an iodine atom.

2,345,385

PYRAZOLONE SALTS OF SULPHONAMIDES

Max Dohrn, Berlin-Charlottenburg, and Paul Diedrich, Finkenkrug, Osthavelland, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application May 3, 1941, Serial No. 391,717. In Germany October 13, 1938
9 Claims. (Cl. 260—239.6)

1. A salt of a phenyl dimethyl pyrazolone compound with a sulphonamide compound of the following formula

$$R.SO_2.NH.X$$

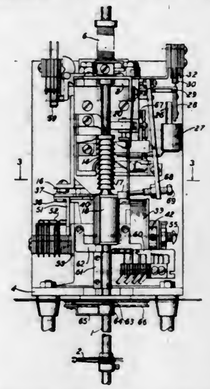
wherein R indicates a member of the group consisting of aromatic, heterocyclic and aromatic-heterocyclic residues containing at least one member of the class consisting of nuclearly bound amino groups and groups convertible thereinto by a treatment selected from the group consisting of reduction and hydrolysis in p-position to the sulphonamide group, while X represents an acyl residue.

2,345,386

SWITCHING DEVICE

Arthur S. Dubuar, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 17, 1943, Serial No. 479,441
7 Claims. (Cl. 179—27.52)



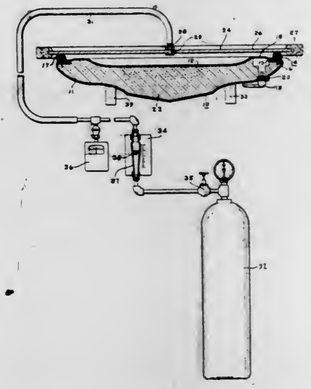
1. In a switching system, a switch including a vertical magnet, a rotary magnet, a release magnet, a shaft having tip, ring and sleeve brushes, a terminal bank, a holding pawl and ratchet teeth for said shaft for holding the shaft in any desired advanced position, a talking circuit for the tip and ring brushes normally opened, means for actuating the vertical magnet in a step-by-step manner to advance said shaft and brushes to any desired level of bank terminals and to release said holding pawl into engagement with the ratchet teeth, means for continuously energizing the rotary magnet to advance the shaft and brushes in an uninterrupted movement until the brushes connect with a first idle set of terminals in the chosen level, said energization being initiated on the last release of the vertical magnet and then controlled jointly by a ground applied by the movement of the holding pawl over the ratchet teeth and by ground on the sleeve terminals of succeeding busy lines, means including contacts controlled by the rotary magnet when it releases for closing said talking circuit, a discharge tube, means operative when the rotary magnet releases and controlled by said holding pawl and a ground applied to the sleeve terminal of the chosen idle line for preventing the tube from ionizing until said ground is removed, and means controlled by said tube when it ionizes for actuating said release magnet to release the switch.

2,345,387

METHOD OF TESTING REFRIGERATOR CABINETS

Howard M. Elsey, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 20, 1941, Serial No. 394,277
4 Claims. (Cl. 73—51)



1. The method of testing the fluid-tightness of a wall element of a refrigerator, said wall being encircled by a gasket, said method comprising placing an imperforate and transparent plate in sealing engagement with said gasket, forcing a fluid at a predetermined rate into the space defined by said plate, wall, and gasket, observing the seating of said gasket against said plate by a visual inspection through said plate, and determining whether the pressure in said space rises above a predetermined standard.

2,345,388

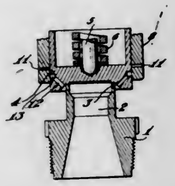
SUBSTITUTED GUANIDINE SALTS OF ALKYL PHOSPHORIC ACIDS AND THEIR PREPARATION

Walter P. Ericks, Cos Cob, and James H. Williams, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 26, 1941, Serial No. 390,536
6 Claims. (Cl. 260—461)

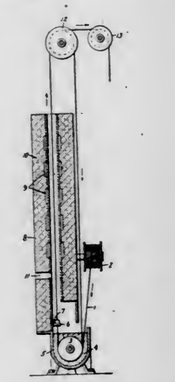
6. Aliphatic substituted guanidine salts of alkyl esters of a member of the group consisting of pyrophosphoric acid and orthophosphoric acid.

2,345,389
MAXIMUM CAPACITY SAFETY VALVE
Eugene K. Falls, Potsdam, N. Y., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application February 5, 1943, Serial No. 474,772
7 Claims. (Cl. 137—53)



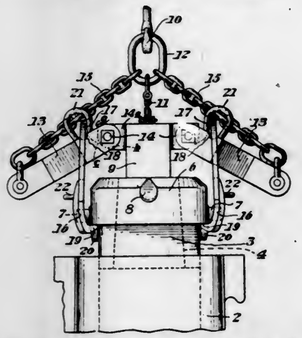
1. In combination in a pop safety valve having a valve seat, a valve head and a loading spring which normally holds the head seated, means operative only during the second half of the lift of the valve head from its seat, first to decrease the reactive force of the escaping fluid upon the valve head and then to increase said reactive force whereby the total effective force acting upon the valve head during the lift of the valve head is a substantially straight line function.

2,345,390
PROCESS FOR ENAMELING RECTANGULAR WIRE
Edward J. Flynn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application July 17, 1940, Serial No. 345,993. Divided and this application April 21, 1942, Serial No. 439,907
2 Claims. (Cl. 117—128)



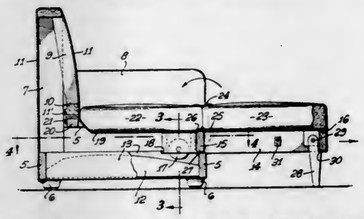
1. The method of providing a wire having flat intersecting sides forming angle edges with a uniformly thick film of baked coating material, said method comprising passing the wire through a body of viscous coating material, thereafter removing a larger amount of the coating material from the central side portions to produce a thin liquid coating thereon and a small amount of coating material from the edge portions to produce a thick liquid coating thereon, and baking the coating after some of the liquid coating material on the edge portions has flown towards and merged with the liquid on the central side portions to form the uniformly thick coating.

2,345,391
STRIPPER TONG
William W. Grossett, Munhall, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application April 23, 1942, Serial No. 440,227
2 Claims. (Cl. 22—95)



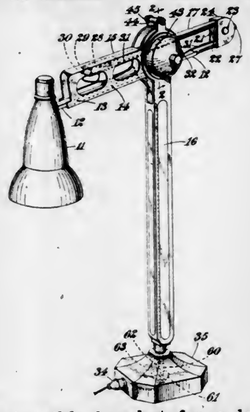
1. A stripper tong of the character described including a central ingot-engaging fulcrum member, a pair of opposed levers pivoted thereto, a hot top engaging hook pivotally depending from each lever adjacent the pivotal attachment of the latter with the fulcrum member, lifting chains connecting the outer ends of the levers in spaced relation to the hooks with a common lifting eye, the levers and chains supporting the weight of the mass carried by the hooks, said levers exerting a downward force upon the fulcrum member and ingot, and an upward force upon the hooks and hot top equal to a multiple of the force corresponding to the weight of said mass, said fulcrum member and levers having coacting faces limiting the upward and downward pivotal movement of said levers to thereby prevent collapse of the tongs.

2,345,392
BED DIVAN
Samuel L. Grossman, Los Angeles, Calif.
Application September 11, 1942, Serial No. 457,911
2 Claims. (Cl. 5—21)



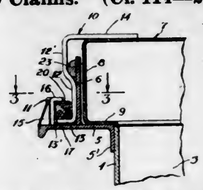
1. In a combination divan and bed structure, a supporting base having arched track members at its ends, a carrier support mounted on said base, said carrier support having wheels to run on said arched track members as said carrier support is moved from its rearward position to its forward position, the frame of said carrier support resting on said base in its divan position and in its bed-forming position, said frame being raised free of said base by said wheels moving on said arched track members to facilitate the movement of said carrier support from divan position to bed-forming position, supporting means in said base rearwardly of said carrier support when the latter is moved out to its outer bed-forming position, and double mattresses on said carrier support to move therewith, one of said mattresses being movable rearwardly upon said supporting means in said base rearwardly of said carrier support and in the same plane with the other of said mattresses.

2,345,393
ADJUSTABLE LAMP BRACKET AND THE LIKE
Charles Louis Heyermans, London, England, assignor to Oliver Pell Control Limited, London, England, a British company
Application April 21, 1942, Serial No. 439,913
In Great Britain March 24, 1941
13 Claims. (Cl. 248—122)



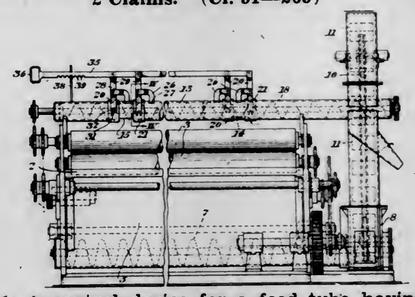
1. An extensible bracket for a lamp or other article comprising a support, a flexible strip of concave-convex section fixed at one end to the support, the other end being free to slide over a bearing surface carried by the support and to project therefrom to constitute a bracket-arm, said strip being doubled into at least one bend intermediately between its ends so that said bracket-arm may be slid in and out over the bearing surface while the bend floats along the strip, and means on said other end for attachment of said lamp or other article.

2,345,394
HATCH CONSTRUCTION FOR SHIPS
Thomas P. Hogan, Wilmington, Del.
Application June 18, 1943, Serial No. 491,326
9 Claims. (Cl. 114—203)



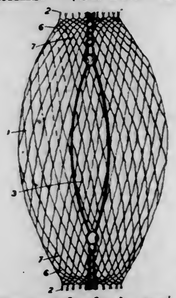
5. In a hatch structure for ships, a bulb angle surrounding the hatch, hatch coamings carried by and rigidly fastened to the bulb angle at points intermediate the edges thereof, a hatch cover element bridging said hatch and resting at its ends on said bulb angle, said element being formed of sheet material having its ends turned at right angles to the main body thereof and flanges turned inwardly from the ends and resting upon the bulb angle, clamping bars each having a main body part in engagement with the coaming and an upper end part formed at right angles to the main body part and engaging the upper surface of the hatch cover and a lower flange part also formed at right angles to the main body part, cleats supported by said bulb angle in spaced relation with the coamings, and wedges disposed between the cleats and the lower parts of the clamping bars for clamping the bars firmly against the outer surface of the coamings and against the upper surface of the hatch cover, said cleats being disposed at angles to the coamings and said wedges each comprising a straight side in engagement with a clamp bar and a tapered side in engagement with an inclined cleat.

2,345,395
CONTROL DEVICE FOR FEED TUBES
Mansel Edward Houk, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application February 27, 1942, Serial No. 432,648
2 Claims. (Cl. 51—263)



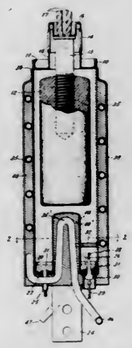
1. A control device for a feed tube having a dispensing aperture, comprising a sleeve adapted to telescope over said feed tube and at least partially close the dispensing aperture therein, a yoke connected to said sleeve, means carried by said tube for fulcruming said yoke, and means for moving said yoke whereby said sleeve is adjusted with respect to the dispensing aperture in said feed tube.

2,345,396
HAIR NET
Albert Edward Hunter, Wollaton, Nottingham, England, assignor to Byard Manufacturing Company Limited, Nottingham, England
Application April 20, 1943, Serial No. 483,777
In Great Britain November 19, 1942
5 Claims. (Cl. 132—49)



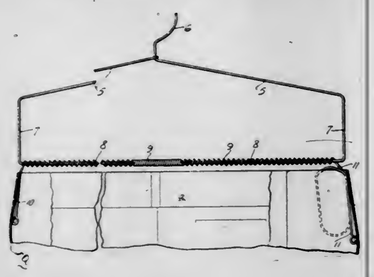
1. In a machine-made hair net, comprising a length of tubular twist-lace fabric, the ends of complemental strands of the fabric being joined to close each end of the tube, and the side of the tube being provided with an elongated opening intermediate said ends; a stretchable thread of textile material, heavier than that composing the fabric, incorporated into the fabric along the edge of said opening.

2,345,397
ELECTRIC DISCHARGE DEVICE
John H. Hutchings, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1941, Serial No. 416,501
5 Claims. (Cl. 250—27.5)



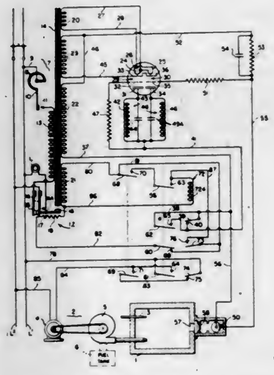
1. An electric discharge device comprising a relatively elongated metal casing, a mercury pool occupying the lower portion of the casing, an anode supported directly above the cathode, a conductive structure extending for a substantial distance along the discharge path and disposed axially within the casing so as to occupy the central portion of the discharge space, and a mass of metal of high thermal capacity and conductivity in thermal contact with the lateral walls of said casing, the heat-absorbing effect of said metal mass and the deionizing tendency of said conductive structure serving conjointly to minimize the likelihood of arc-back of said device upon the occurrence of intermittent, intense loading.

2,345,398
GARMENT HANGER
Carl A. Isaacson, St. Paul, Minn.
Application March 26, 1942, Serial No. 436,332
2 Claims. (Cl. 223—88)



1. A garment holder comprising a wire frame having upright end bars and a straight bottom tie bar, combined with coils mounted on said bottom tie bar for sliding and rotary movements, said coils being intermeshed and at their outer ends having depending garment holding arms, the upright end bars of said frame being of such length that the depending arms of said coils may be turned through said frame, while said coils, by screw-threaded action, are extended to substantially the entire length of said bottom tie bar.

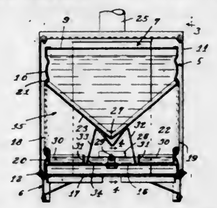
2,345,399
CONTROL SYSTEM
Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 12, 1942, Serial No. 466,830
9 Claims. (Cl. 158—28)



1. In an oil burning system, electrically operated means for projecting fuel into a zone of ignition, means for igniting the fuel, means for controlling said electrically operated means including a source of electrical current, a connection between said source of current and said electrically operated means, said connection having a normally closed contact and a normally open contact connected in series therein and a normally open contact connected in shunt to said first and second mentioned contacts, a relay coil associated with said first mentioned contact and adapted when energized to open said contact, a second normally closed contact and a normally open contact associated with said relay coil, said last mentioned normally closed contact being adapted to be opened and said last mentioned normally open contact being adapted to be closed when said relay coil is energized, a transformer having a primary winding and a plurality of secondary windings, switching means responsive to the temperature of a space heated by the burning fuel, a connection between said source of current and said transformer primary winding including said switching means, a connection including one of said transformer secondary windings and said relay coil and having two normally open contacts connected in series therein and the normally open contact associated with said relay coil connected in shunt to said series connected contacts, a relay coil associated with said second mentioned contact and with one of the normally open series connected contacts in said last mentioned connection and adapted when energized to close both of said contacts, a connection between said second mentioned relay coil and another of said transformer secondary windings to energize said second mentioned relay coil to thereby close said second mentioned contact to effect energization of said electrically operated means when the temperature of said space is lower than the desired value, a third relay coil associated with said third mentioned contact and with the second normally open series contact in the connection including the first mentioned relay and adapted when energized to close both of said contacts, a third normally open contact associated with said third mentioned relay coil and adapted to be closed when said relay is energized, a light sensitive device responsive to the

burning of the fuel, an electronic discharge device having an input circuit controlled by said light sensitive device and an output circuit, a connection including one of said transformer secondary windings, said last mentioned contact and the second mentioned normally closed contact associated with said first mentioned relay in parallel, said third mentioned relay, and the output circuit of said electronic discharge device whereby energization of said third relay coil effects energization of said first mentioned relay coil, and additional means controlled by said third mentioned relay coil and disposed in the connection between said source and the transformer primariy winding to deenergize the latter and thereby the entire system upon the occurrence of said third mentioned relay coil being deenergized a predetermined time while said transformer primary winding is energized.

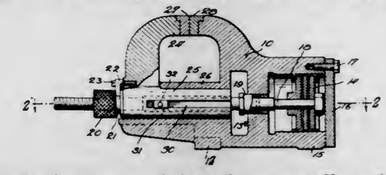
2,345,400
STOCK WATERING DEVICE
Kelly Laughead, Columbus, Ohio, and Maurice H. Keating, Minneapolis, Minn., assignors to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application March 7, 1942, Serial No. 433,736
10 Claims. (Cl. 119—73)



1. In a stock waterer, the combination of a tank constituting a water reservoir, a water trough comprising top, bottom, and side walls, all within the tank and surrounded by the water therein, opposite ends of the trough being open to the outside of the tank for access to the water in the trough from either side of the tank, the bottom of the trough being in spaced elevated relation to the bottom of the tank, a float operated valve in said trough controlling communication between the trough and tank to maintain water at a predetermined level in the trough, said valve being disposed substantially midway between the open ends of the trough, trays disposed in the opposite ends of said trough on opposite sides of said valve and removable from the trough through the open ends thereof, and a removable guard for the valve disposed in straddling relation to the valve with the opposite sides thereof in juxtaposition to the trays to maintain the trays in spaced relation to the valve, said valve being accessible upon removal of the trays and guard through the open ends of the trough.

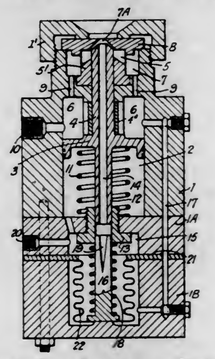
2,345,401
PNEUMATIC OR HYDRAULIC VISE
Carl J. Lindegren, Worcester, Mass.
Application December 30, 1940, Serial No. 372,397
1 Claim. (Cl. 81—17)

In a fluid pressure operated vise, a fixed rear jaw, a movable front jaw, fluid pressure operated means located rearwardly of said fixed jaw for moving said movable jaw, said fluid pressure operated means including a piston, a fluid containing chamber for said piston, a drawbar slidably received in said movable jaw for connecting said piston to said movable jaw, said bar having its outer end threaded, said threaded end extending through and beyond said movable jaw, means for adjusting the movable jaw along said draw bar to vary the range of movement of said movable jaw, said means including a nut at the front side of said movable jaw in threaded engagement with the protruding end of said draw bar, said nut and movable jaw having cooperating means for holding said jaw and nut together,



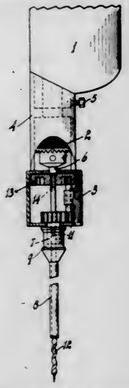
said vise having an integral rearwardly extending sleeve on the lower part of said front jaw, said sleeve having longitudinal slots at opposite sides thereof, slide blocks in said slots, the fixed rear jaw having guiding means surrounding said sleeve and extending forwardly at least to the plane of meeting of the gripping edges of said jaws, and pins on said guiding means said pins extending into openings in said slide blocks.

2,345,402
LIQUID-FUEL BURNER
Isaac Lubbock and Rutland Oscar Nash, Great St. Helen's, London, England, assignors to Anglo Saxon Petroleum Company, Limited, Great St. Helen's, London, England
Application September 30, 1940, Serial No. 359,128
In Great Britain October 28, 1939
6 Claims. (Cl. 299—118)



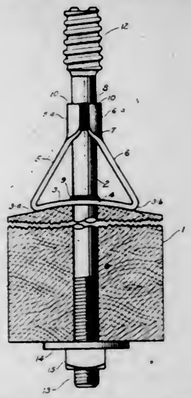
1. In a liquid fuel burner, a fuel supply chamber; a vortex chamber terminating in a discharge orifice; at least one swirling groove providing communication between said fuel supply chamber and said vortex chamber; an element mounted to move in valving cooperation with said swirling groove for varying the effective cross sectional area thereof available for flow of fuel therethrough into said vortex chamber; a spill passage communicating with said vortex chamber independently of said swirling groove so as to receive fuel only after it has passed through said swirling groove whereby all the fuel discharged through said orifice and all the fuel passed out through said spill passage is first passed through said swirling groove into said vortex chamber; spill control means for controlling the amount of fuel passed from said vortex chamber through said spill passage; and means for moving said element to vary the effective cross sectional area of said swirling groove and for simultaneously operating said spill control means.

2,345,403
DRILL CONDUIT FOR WALLS
Wallace Milton McGrew, Long Beach, Calif.
Application March 19, 1941, Serial No. 384,162
2 Claims. (Cl. 77—6)



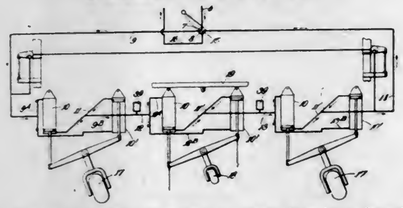
1. A drill structure of the character described comprising a driving motor including a rotary shaft, a gear box associated with said motor, gearing in said box including an upper gear turning with the motor shaft and a lower gear turning in a direction opposite to that of the upper gear, a tubular shaft carried by the lower gear to turn therewith and projecting from the gear box, a pilot drill extending through said tubular shaft and having its upper end detachably connected to and turning with the upper gear, a tubular drill about said pilot drill having a collar at its upper end fitting about the protruding portion of said tubular shaft, said pilot drill projecting from the lower end of the tubular drill, and means detachably connecting said collar with said tubular shaft.

2,345,404
REINFORCED INSULATOR PIN
Edward A. Mack, Huntington, W. Va., assignor to Oliver Iron and Steel Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,383
6 Claims. (Cl. 248—220.5)



1. An integrated insulator pin assembly including an insulator pin, a one-piece bracing element having a pin-embracing base and arms extended convergently upward from said base and shaped adjacent their upper ends cooperatively to form a pin-receiving socket space approximately surrounding the insulator pin, and means integrating the said insulator pin with said bracing element.

2,345,405
AIRCRAFT ALIGHTING GEAR
Owen Finlay Maclaren and Leslie Everett Baynes, London, England, assignors to Maclaren Undercarriage Company Limited, London, England
Application October 6, 1941, Serial No. 413,888
In Great Britain June 15, 1940
5 Claims. (Cl. 244—50)



1. In aircraft alighting gear having landing elements directionally settable in parallel relationship for cross wind landing and take-off, mounting means for each landing element comprising a castorable part and a fixed anchorage, a landing element mounted by the castorable part on each mounting, said landing elements castoring during an initial stage of a landing operation to achieve alignment with the direction of taxiing travel, steering means operative between the castorable part of each mounting and the fixed anchorage, means of operative interconnection effective between the several steering means, and locking means operative to couple the castoring part of each mounting to its associated steering means subsequent to the achieving of alignment of the landing elements with the direction of taxiing travel.

2,345,406
PREPARATION OF CELLULOSE ACETATE PROPIONATES AND CELLULOSE ACETATE BUTYRATES HAVING A HIGH PROPIONYL AND BUTYRYL CONTENT
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 17, 1943, Serial No. 479,460
5 Claims. (Cl. 260—225)

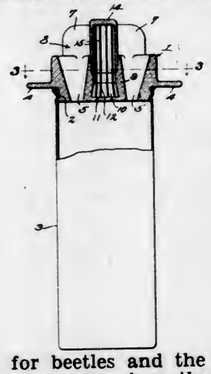
1. A method of preparing cellulose esters, having a content of saturated fatty acid groups of 3–4 carbon atoms of at least 25% which comprises pretreating cellulose having a moisture content of 4–6% with a bath essentially consisting of saturated fatty acid of 2–4 carbon atoms, a major portion of the fatty acid being acetic, and .2–2% (based on the weight of the cellulose) of sulfuric acid at a temperature of 60–85° F., thoroughly mixing cold anhydride of a fatty acid of 3–4 carbon atoms therewith and cooling the mass to a temperature of less than 50° F., stopping the mixing and warming the walls of the containing vessel to a temperature of 100–110° F. only for a time sufficient to start a reaction between the anhydride and the water contained therein, again cooling the mass and resuming the mixing, and after the water has been destroyed adding additional sulfuric acid and esterifying the cellulose at a temperature not to exceed 90° F.

2,345,407
HAIR NET AND CAP
Estella Phillips Marder, Nottingham, and William Norman Green, West Bridgford, Nottingham, England, assignors to Byard Manufacturing Company, Limited, Nottingham, England
Application September 16, 1942, Serial No. 458,558
In Great Britain July 11, 1942
2 Claims. (Cl. 2—198)



1. A protective cap or headgear, comprising a substantially rectangular piece of flat openwork fabric having a pair of adjoining V-shaped notches formed symmetrically intermediate the ends of one edge portion thereof, the unnotched end portions of said edge being drawn together and secured to each other throughout their length, and the respective edges of each of said V-shaped notches being secured together to miter the fabric and shape the cap to conform closely to the hair of the wearer.

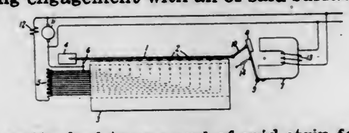
2,345,408
BEETLE TRAP
William Martin, Providence, R. I.
Application August 16, 1943, Serial No. 498,797
5 Claims. (Cl. 43—107)



1. A trap for beetles and the like, comprising a head having openings therethrough, the openings forming a central hub having a chamber, there being walls between the openings, an inverted cup-shaped bait case carried by the hub and communicating with the chamber, upright wings on the walls and forming compartments individual to the openings; the hub having apertures establishing communication between the chamber and the openings, the case having apertures establishing communication between the inside of the case and the compartments, and a closure for the lower end of the chamber.

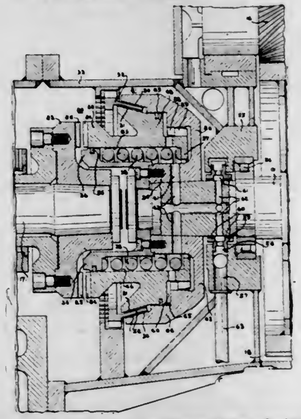
2,345,409
ELECTRICAL DEVICE
Charles R. Mason, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application November 23, 1942, Serial No. 466,588
5 Claims. (Cl. 201—55)

1. A regulator comprising, in combination, an electrical device having a plurality of contact surfaces, a flexible magnetic strip, a magnet arranged directly to clamp said strip into contact making engagement with all of said surfaces, and



means attached to one end of said strip for peeling said strip away from said magnet whereby said strip progressively disengages said contact surfaces.

2,345,410
CLUTCH AND BRAKE MECHANISM
George M. Mierley, Upper Darby, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1942, Serial No. 452,597
6 Claims. (Cl. 192—18)



1. In combination, a driven jaw clutch member, a driving head having a first inner cylindrical surface, a driving jaw clutch member, a sleeve integral with the driving clutch member and having a second inner cylindrical surface spaced radially inward from said first cylindrical surface, a slidable key connection between the driving head and the sleeve, pistons on the sleeve and on the head and cooperating with said first and second cylindrical surfaces, respectively, so that the sleeve and the head define an expansible chamber, means providing for the admission of motive fluid to said chamber to move the sleeve to engage the clutch members and providing for the exhaust of motive fluid from the chamber, and a spring arranged between the head and the sleeve and effective to disengage the clutch members when the last-named means is effective to provide for the exhaust of motive fluid from the chamber.

2,345,411
METHOD AND MACHINE FOR OPERATING ON SHEET MATERIAL
Carl A. Moeller, Randolph, Mass., assignor to Norfolk Paper Co., Inc., Randolph, Mass., a corporation of Massachusetts
Application February 18, 1941, Serial No. 379,433
22 Claims. (Cl. 93—58.2)

1. A machine for operating on continuously advancing sheet material, comprising a rotatable device adapted to perform an operation on the material, mechanism for rotating the device,

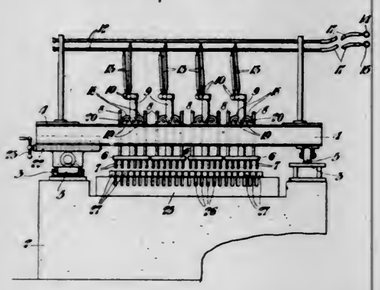
comprising a worm rotated at uniform speed to space the operations of the device along the material, and means under control of the device-rotating mechanism for moving the worm axially during operation of the device on the material to synchronize temporarily the peripheral speed of the device with the linear speed of the material.



10. In a machine for operating on moving sheet material, mechanism for creasing the material transversely of its direction of movement, comprising cooperating rotatable creasing reels adapted to engage opposite sides of the material, said reels comprising head members and transversely arranged creasing bars, the head members having annular channels formed in the inner faces thereof, arcuate bosses on the ends of the creasing bars fitting within the annular channels in the head members, and means for securing the bars to the head members in peripherally adjusted position.

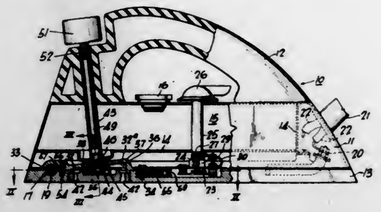
11. In a machine for operating on moving sheet material, mechanism for slotting the material transversely of its direction of movement comprising cooperating rotating slotting reels adapted to engage opposite sides of the material, one of said reels comprising head members, crossbars carried thereby, slotting blades carried by the cross-bars, means for rigidly supporting said blades against radially directed thrust, and connections for securing the blades to the crossbars arranged to permit slight yielding movement of the blades peripherally of the reel.

2,345,412
METHOD OF MANUFACTURING BILLETS
Earl E. Moore, Gary, Ind.
Application December 3, 1940, Serial No. 368,402
2 Claims. (Cl. 80—60)



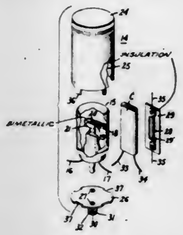
1. In the manufacture of metallic billets and the like, the method including the steps of rolling an ingot into a substantially flat slab of a predetermined thickness, then flame cutting the slab longitudinally of the same so as to form a plurality of billets of a predetermined size therefrom, said cutting flame adapted simultaneously to scarf both the cut edges and adjacent longitudinal surfaces of the billets thereby conditioning the same for further processing, and finally cutting the defective portions from those billets having defects therein caused by piping so as to provide a plurality of sound and uniform billets.

2,345,413
STEAM IRON
Eldred O. Morton, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 20, 1941, Serial No. 394,258
9 Claims. (Cl. 38—77)



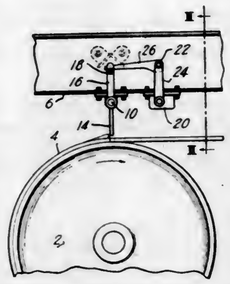
5. A self-contained steam iron comprising a cover member having a liquid-storage chamber therein, a soleplate attached to said cover member, a U-shaped electrical resistance element carried by said soleplate for heating the same, a steam generator carried by said soleplate and located within the bight of said U-shaped resistance element and adapted to be heated thereby, means for conveying liquid from said chamber to said steam generator, a second electrical resistance element carried by said soleplate and localized adjacent said steam generator for heating the same, whereby said steam generator may receive heat from each of said resistance elements, circuits connectible to a source of electrical energy for energizing said resistance elements, and temperature responsive means for controlling said circuits.

2,345,414
STARTING MECHANISM FOR FLUORESCENT LAMPS
Adolf G. Mueller, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 25, 1940, Serial No. 331,566
3 Claims. (Cl. 200—142)



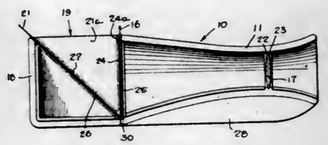
2. In a starting means for a discharge lamp, a housing provided with contact means adapted to engage the contacts of a receptacle, an envelope having a switch mechanism therein located within said housing, said switch mechanism including thermally responsive contact means and means for creating a glow discharge to heat said contact means, and a fusible element disposed within said housing adjacent said envelope and being electrically connected in series with said switch mechanism, said element being fusible upon continued unwarranted operation of said glow discharge means to interrupt the flow of current through the switch.

2,345,415
AUTOMATIC STOP FOR BELT CONVEYERS
Andrew Nagy, Jr., Monongahela, Pa.
Application August 4, 1943, Serial No. 497,372
3 Claims. (Cl. 198—232)



1. An automatic stop for a belt conveyer comprising a pivot mounted adjacent said belt, a plate on said pivot extending toward said belt, a lever on said pivot, and a switch actuable by said lever for controlling the movement of said conveyer, said plate being so positioned with respect to said belt that it will be rotated by a protuberance on said belt to rotate said lever and actuate said switch to stop the conveyer.

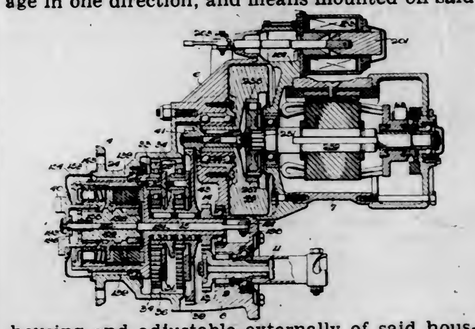
2,345,416
VIEWER FOR TRANSPARENCIES
William W. Naramore, Bridgeport, Conn.
Application June 18, 1941, Serial No. 398,512
4 Claims. (Cl. 88—39)



1. A device for viewing transparencies comprising an elongate tubular hollow casing formed of a plurality of sections, each of said sections having a lens-receiving groove, a transparency-receiving groove and a reflector-receiving groove formed integrally on the inner surface thereof in predetermined fixed relation, a lens disposed in the lens-receiving groove and securely held in position by the assembled sections, and a reflector of white paper-like material removably mounted in the reflector-receiving groove and adapted to reflect and diffuse light from a light source through a transparency positioned in the transparency-receiving groove to the lens.

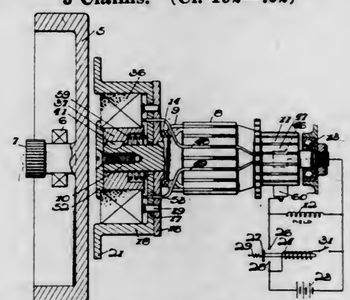
2,345,417
ENGINE STARTING MECHANISM
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application February 8, 1943, Serial No. 475,159
2 Claims. (Cl. 123—179)

1. In combination with an engine-engaging member, means for moving said engine-engaging member to engine-engaging position, said means including a shiftable rod and a linkage for shifting said rod, a housing enclosing said linkage, rod and engine-engaging member, resilient means yieldably opposing movement of said linkage in one direction, and means mounted on said



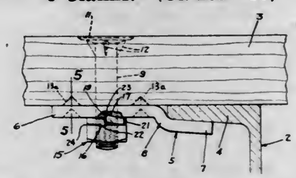
housing and adjustable externally of said housing for controlling the degree of opposition exerted by said resilient means.

2,345,418
DRIVING MECHANISM
Martin Neuner, Fairview, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 9, 1941, Serial No. 414,373
3 Claims. (Cl. 192—.02)



1. The combination, with a flywheel to be accelerated, of accelerating means comprising a source of current, an electric circuit including said source, an electric motor having an armature whose windings constitute part of said circuit, said motor also having a commutator to which said windings connect, means for mechanically connecting said armature with said flywheel, said means including a clutch element shiftable to a flywheel engaging position, electromagnetic means for shifting said clutch element, said electromagnetic means including a magnet coil whose ends pass along the armature, in slots of said armature, and terminate in said commutator energizing said electromagnetic means.

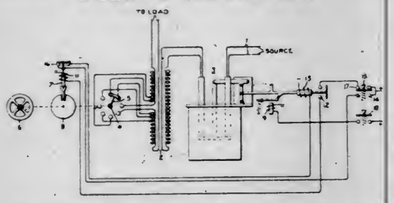
2,345,419
FLOOR CLIP
Kenneth A. Olson, Minneapolis, Minn., assignor to Lewis Bolt & Nut Company, Minneapolis, Minn., a corporation of Minnesota
Application January 31, 1942, Serial No. 429,062
5 Claims. (Cl. 189—35)



1. A floor clip of the class described comprising

an elongated body having a plurality of elongated spurs thereon extending lengthwise af the clip body, each spur having a cutting edge extending substantially the full length thereof and up from and then down to the surface of the clip body and parallel to the longitudinal axis of the clip body, and the base of each spur being of substantial width at its center portion, as compared with the opposite ends thereof.

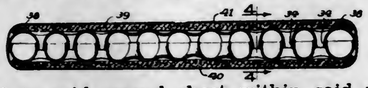
2,345,420
PROTECTIVE SYSTEM
Arthur Palme, Pittsfield, and Casimere A. Urbanek, Adams, Mass., assignors to General Electric Company, a corporation of New York
Application January 3, 1942, Serial No. 425,574
3 Claims. (Cl. 175—375)



1. In combination, a primary movable device having a normal position and an abnormal position, a secondary manually movable device having a normal position and an abnormal position, an electrically operated mechanical interlock controlled by said primary device for preventing movement of said secondary device away from its normal position when said primary device is in its normal position and having an actuated position for permitting movement of said secondary device away from its normal position when said primary device is in its abnormal position, an electrical interlock controlled jointly by said electrically operated mechanical interlock and by said secondary device for preventing said primary device from being returned from its abnormal position to its normal position when said secondary device is in its abnormal position and when said electrically operated mechanical interlock is in its actuated position, electroresponsive means for returning said primary device from its abnormal position to its normal position, a master controller for controlling said means coincidentally with said electrical interlock, and means operated by said master controller for deactuating said electrically operated mechanical interlock whereby if said secondary device has been returned to its normal position said electrical interlock will permit said master controller to operate said electroresponsive means so as to return said primary device from its abnormal position to its normal position.

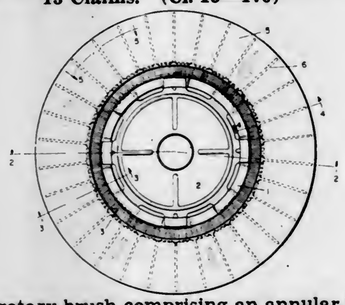
2,345,421
PNEUMATIC MATTRESS
George H. Perry, Brooklyn, N. Y., assignor to Airtress Corporation of America, a corporation of New York
Application May 3, 1941, Serial No. 391,697
7 Claims. (Cl. 5—348)

2. The method of forming a tufted pneumatic mattress which includes the formation in one sheet of uncured rubber a plurality of holes of predetermined diameters spaced apart from each other in accordance with the desired spacing of the tufts, the formation of a plurality of holes of the same spacing in a second sheet of uncured rubber, said last holes being larger in diameter than said first holes, superimposing said second sheet on said first sheet with said holes matching concentrically, cleaning the surface of said second sheet in annular zones surrounding said second holes, pulling the material about the edges of said first holes through the overlying second holes and adhering the pulled-through ma-



terial to said second sheet within said zones, cleaning the edges of said second sheet along zones adjacent to the edges thereof, adhering the edges of said first sheet to the edges of said second sheet in overlapping relation, and the final step of vulcanizing said mattress.

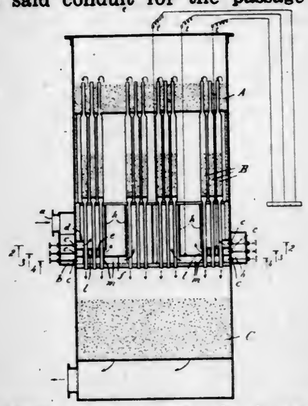
2,345,422
ROTARY BRUSH
Ruben O. Peterson, South Euclid, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 13, 1941, Serial No. 422,891
13 Claims. (Cl. 15—179)



1. A rotary brush comprising an annular brush back, brushing material held in said brush back, fabric sides embracing said brushing material, and a series of circumferentially spaced, radially extending means interconnecting said sides from points adjacent the inner edges to points adjacent the outer edges thereof, said material being unconfined except by said sides and interconnecting means.

2,345,423
APPARATUS FOR CARRYING OUT CATALYTIC GAS REACTIONS
Wilhelm Pfannmüller, Mannheim, and Josef Reichart, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
Application August 13, 1940, Serial No. 352,420
In Germany August 2, 1939
1 Claim. (Cl. 23—288)

An apparatus for carrying out catalytic gas reactions comprising in combination a closed reaction vessel, a tube sheet disposed transversely of said reaction vessel and dividing the same into two chambers, a plurality of elongated open ended tubes disposed within one of said chambers and extending longitudinally of said vessel almost to the end of said vessel one end of said tubes being inserted in said tube sheet whereby said tubes communicate at such end with the other of said chambers, partition walls arranged among said tubes adjacent to said tube sheet, and extending from said tube sheet longitudinally of said reaction vessel, said partition walls defining the space around said tubes into a plurality of cells of substantially equal cross-section with a substantially equal number of tubes passing through each of said cells, a conduit for fluids, a connection from each of said cells to said conduit for the passage of fluid



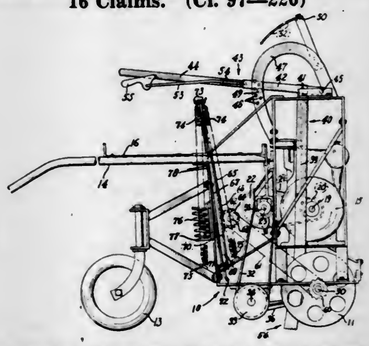
therebetween and a control valve in each of said connections for controlling the passage of fluid therethrough.

2,345,424
COMBINATION GAUGE
Alfred G. Pfeifer, New York, N. Y.
Application April 28, 1942, Serial No. 440,760
2 Claims. (Cl. 33—169)



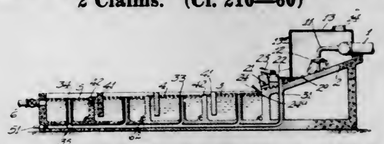
1. A hollow gauge block of substantially square cross-section, one end of the block being provided with an arch-like opening, one wall of the block being provided with a narrow slit which widens into a wide arch, said narrow slit and said arch communicating with the hollow interior of the block, the planes of said arch and said arch-like opening being at right angles, opposed walls on opposite sides of said one wall, and a clamping means located between said opposed walls.

2,345,425
SOD CUTTER
Frank Phillips, La Fayette, Ind.
Application August 3, 1940, Serial No. 350,492
16 Claims. (Cl. 97—226)



1. A sod cutter comprising a wheeled carriage, a knife mounted thereon and having a horizontal blade portion supported at its lateral extremities only and adapted to be guided for movement at a level below the ground-engaging portions of the carriage wheels, and means for mechanically oscillating said knife in the line of movement of said carriage.

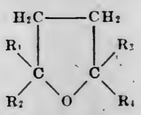
2,345,426
OIL SKIMMER
Charles L. Pruiett and Harry W. Amner, Ventura, Calif.
Application June 2, 1941, Serial No. 396,367
2 Claims. (Cl. 210—60)



1. In an oil separating apparatus of the class described, a separating chamber, a supply pipe, an oil-bearing liquid distributing chamber located between the supply pipe and the separating chamber, oil suspended in the liquid being adapted to rise to the surface of the liquid, a gate between the distributing chamber and the separating chamber, a float adapted to rest upon the surface of the oil bearing liquid in the distributing chamber, means operatively connecting the float to the gate for controlling the open position of the latter in accordance with the position of the float, an overflow pipe extending to near the normal surface of the oil bearing liquid in the distributing chamber for receiving oil floating above the surface of the liquid and means for removing the residue.

2,345,427
SOLVENT FOR ORGANIC FILM-FORMING MATERIALS
Walter Reppe and Otto Hecht, Ludwigshafen-on-the-Rhine, and Fritz Oschatz, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 17, 1941, Serial No. 393,928. In Germany February 18, 1938
9 Claims. (Cl. 106—176)

1. A composition of matter comprising a cellulose derivative selected from the class consisting of cellulose esters and cellulose ethers dissolved in a compound corresponding to the formula

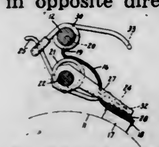


wherein R stands for members of the group consisting of hydrogen and low molecular aliphatic hydrocarbon radicles.

2,345,428
ELECTRIC CURRENT COLLECTOR
James C. Rhoads, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 26, 1942, Serial No. 463,321
7 Claims. (Cl. 171—324)

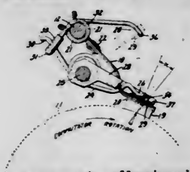
1. An electric current collector including a pressure finger adapted to engage a contact element, means including a rod for pivotally supporting said pressure finger, a terminal stud, a

coil spring with the ends thereof extending outwardly in opposite directions and being mounted about said terminal stud, and means including a second coil spring with the ends thereof extending outwardly in opposite directions and being



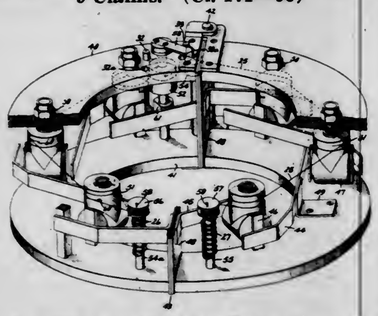
mounted around said rod with one end in engagement with one end of said first-mentioned spring and the other end thereof normally adapted to be arranged in engagement with said pressure finger for exerting a biasing pressure on said pressure finger.

2,345,429
ELECTRIC CURRENT COLLECTOR
Max R. Hanna, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 26, 1942, Serial No. 463,322
4 Claims. (Cl. 171—324)



1. An electric current collector including a contact element, a flexible electrical conductor having one end thereof secured to said contact element, a pair of locating pins secured to said contact element arranged one on each side of said flexible electrical conductor, and resilient contact element biasing means including a spherical contact surface pressure element slightly on the trailing side of the center of said contact element providing for movement of said contact element about said spherical surface and for biasing said contact element toward a current collecting member.

2,345,430
DIRECT CURRENT TRANSFORMER
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 9, 1942, Serial No. 468,337
9 Claims. (Cl. 171—95)

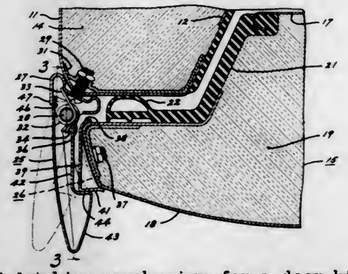


1. A direct current transformer comprising a supporting structure having an opening therethrough and provided with facilities whereby it may be opened and closed for the purpose of embracing an electric cable within such opening without breaking such cable, a plurality of coils supported on said structure and substantially uniformly distributed about the opening in the structure in a manner to collectively intercept a predetermined amount of flux produced by current flow through such an embraced cable, said coils being pivoted on said structure to permit them to be turned and reversed with respect to the direction of such flux interception, said coils being connected in series to form a secondary winding and means for simultaneously reversing all of said coils.

2,345,431
CORK COMPOSITION
Charles H. Schuh, Ridgewood, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 1, 1939, Serial No. 271,202
12 Claims. (Cl. 106—201)

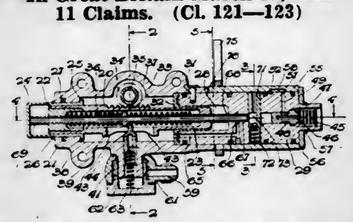
9. A fungus-resisting composition comprising fiber and "regranulated baked cork."

2,345,432
DOOR LATCHING MECHANISM
Edmund F. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 22, 1942, Serial No. 427,791
2 Claims. (Cl. 292—128)



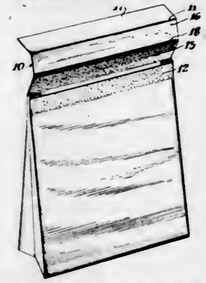
1. A latching mechanism for a door hingedly mounted on a cabinet of the front opening type so that the door may swing about an axis between a closed position and an open position, said mechanism comprising a support secured to the cabinet adjacent the door jamb, a pin carried and spaced by said support from the cabinet, a swingable means pivotally mounted on said pin and forming a combined catch and operating member adapted to engage a striker element on an edge of the door and the striker element having a catch portion thereon, a spring for normally urging said means toward the striker element on the door, said support having spaced side walls one of which extends outwardly of the cabinet and overlaps the inner end of the catch and operating member to provide therewith stop means for the door-latching position of said member, said means having an end part extending beyond the front face of the door and serving as a handle for said operating member, a catch portion formed on said means intermediate said end part thereof and its pivotal mounting adapted to maintain the door in closed position, and said handle end of said means being adapted to receive a force applied thereto in a direction substantially paralleling the front of the cabinet to release said catch portion on said operating member from the catch portion of the striker element for permitting opening of the door.

2,345,433
FLUID DRIVING MECHANISM
John Keith Simpson, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application March 7, 1942, Serial No. 433,812
In Great Britain March 11, 1941
11 Claims. (Cl. 121—123)



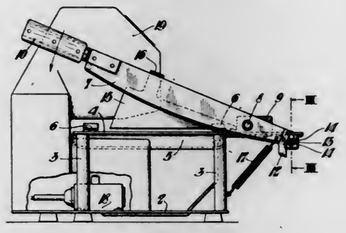
1. A fluid pressure driving mechanism for reciprocating or oscillating devices comprising a piston element having a greater area at one end than at the other and movable alternatively in opposite directions by fluid pressure acting in the one case on its smaller end only and in the other case on both its ends simultaneously, a valve to connect the larger end of the piston alternatively to pressure or exhaust, a valve operating member slidably mounted in said piston element, spring means mounted between said valve operating member and the ends of said piston element for loading the valve as the piston element approaches each end of its stroke, and a latch to hold the valve against said spring means until the piston element reaches the end of its stroke, when said latch is tripped to permit the valve to change over.

2,345,434
SIFTPROOF BAG
Albert J. Sterling, Brooklyn, N. Y.; Sarah M. Sterling executrix of said Albert J. Sterling, deceased
Application October 25, 1941, Serial No. 416,472
1 Claim. (Cl. 229—62)



A paper bag having a sift-proof closure for its mouth comprising a flap, which is at least as wide as the mouth of the bag, extending from and integral with the bag wall at one side of the mouth, said flap having transversely extending fold lines defining three panels arranged to be folded over the mouth of said bag and reversely upon themselves along one of the fold lines, stitching extending entirely across the mouth of the bag and comprising stitches extending through the bag walls and the panel adjacent thereto, and adhesive on the inner side of said stitched panel and on the inner side of the remaining two panels, said adhesive covering the entire inner face of each of said panels and being in an amount on the inner face of each outer panel to completely cover and seal the holes produced by said stitches.

2,345,435
APPARATUS OR DEVICE FOR CUTTING AND STAMPING TELEGRAMS AND THE LIKE
Hayes C. Stevens, Library, Pa.
Application March 20, 1941, Serial No. 384,392
1 Claim. (Cl. 101—287)

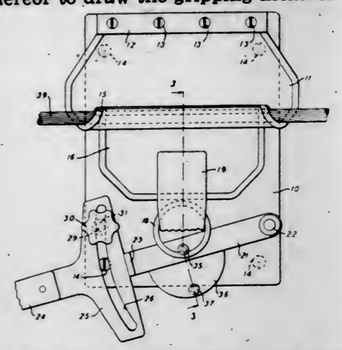


A device for cutting and time stamping telegrams and the like comprising a flat surfaced member over which a continuous length of material or strip of telegrams is adapted to pass, a knife arranged at one end of said flat surfaced member having one end thereof pivotally mounted to one side of said member and arranged for movement in substantially a vertical plane, said knife adapted to cooperate with the edge of said flat surfaced member to cut the strip or series of telegrams successively into a number of individual pieces or telegrams, a handle arranged on the end of said knife opposite that from its pivotal connection for manually operating the same, a vertically extending plate-like guard member arranged on the inner side of said knife directly next thereto, a stop member arranged above said knife for limiting the upward movement thereof, an electrically controlled time stamping clock arranged above said flat surfaced member adjacent said knife and directly next to the guard for stamping the strip with the correct time, a switch arranged opposite said knife for controlling the actuation of said time stamping clock, a spring connected to said knife for returning and maintaining the same normally in a raised position against said stop member so that the switch for controlling the time stamping clock is normally in an open position, and means carried by said knife for actuating said switch whereby said knife upon downward movement thereof against the action of said spring cuts the strip or severs the telegrams therefrom and closes simultaneously said switch thereby causing said time stamping clock to actuate so as to stamp that portion of the strip or telegram immediately in front of said knife with the correct time.

2,345,436
CLAMPING DEVICE
Clyde N. Stover, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1942, Serial No. 450,621
6 Claims. (Cl. 24—115)

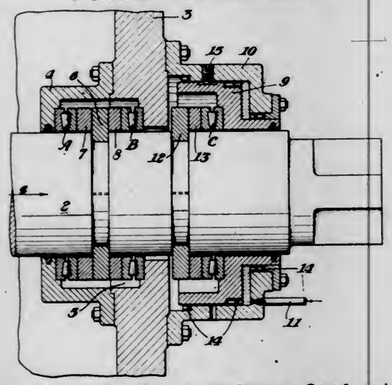
4. A cable clamping device, which comprises an elongated flexible article gripping member made of a textile fabric, said member having a slot formed transversely thereof and having a tongue portion formed at one end thereof which may pass freely through the slot, means for securing the end of the gripping member opposite the tongue portion in a fixed position, means for engaging the free end of the gripping member

and for urging said free end away from the fixed end thereof to draw the gripping member tightly



around an article positioned therein, and means for securing said engaging and urging means in any one of a number of positions.

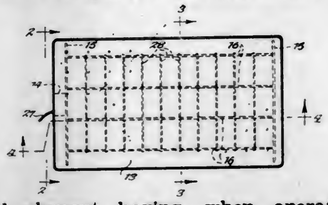
2,345,437
THRUST BEARING
Oscar A. Tinker, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey
Application July 9, 1943, Serial No. 494,063
3 Claims. (Cl. 308—234)



1. A thrust bearing including a fixed pair of axially spaced anti-friction bearings, a third anti-friction bearing movable with respect to said pair of bearings, and means for normally loading the third and one of said pair of anti-friction bearings contra to the direction of thrust including a fluid-actuated piston, said piston being movable under a thrust of a magnitude exceeding that of the loading thereon to distribute said thrust between the third and the other of said pair of anti-friction bearings.

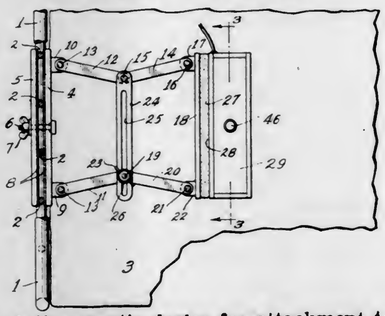
2,345,438
INNER SPRING SUPPORT
Edwin H. Tompkins, Buffalo, N. Y.
Application June 17, 1943, Serial No. 491,230
12 Claims. (Cl. 128—33)

10. An inner spring support for giving therapeutic treatments to a person resting thereon, comprising a plurality of coil springs arranged side by side in upright, parallel relation to each other, compressed together in different directions crosswise of the axes of the coils of the springs, and held in such compression to form a resilient unit, a pair of parallel members of rigid material, each extending across a plurality of said springs between the ends of the springs, and adjacent opposite ends of said unit, said members being spaced apart lengthwise of and firmly secured to said unit, taut means connecting said members at a plurality of zones along their lengths, a self-contained power



operated element having, when operated, a gyratory, closed loop movement of relatively high frequency and small amplitude about an axis, and means securing said element to one of said members at one end of the unit with said axis of said element parallel to the length of that member, whereby the gyrations of said element will, by its connections to said members and unit impart impulses to said unit.

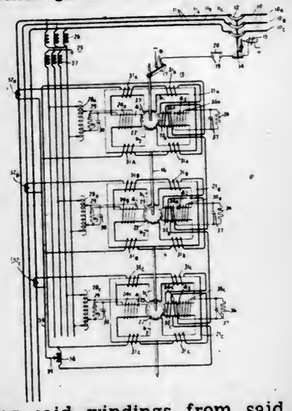
2,345,439
THERAPEUTIC DEVICE
Edwin H. Tompkins, Buffalo, N. Y.
Application July 31, 1943, Serial No. 496,872
5 Claims. (Cl. 128—45)



1. A therapeutic device for attachment to the frame of a bed which comprises a housing having a wall along one side thereof, a rigid plate disposed in parallel spaced relation to said wall, soft resilient means disposed between said plate and wall and connecting the same, a clamp for engagement with the end frame of a bed, means connecting said plate and clamping means for securing said housing to the end frame of the bed, said connecting means being adjustable to position and hold said housing at different distances from said end frame, an axially unbalanced motor within said housing, and resilient means disposed between said motor and housing, said motor being disposed within said housing for rotation about a horizontal axis.

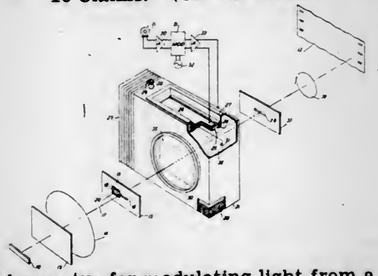
2,345,440
PROTECTIVE SYSTEM
Albert R. van C. Warrington, Wallingford, Pa., assignor to General Electric Company, a corporation of New York
Application January 21, 1941, Serial No. 375,207
17 Claims. (Cl. 175—294)

1. In a polyphase distance-responsive relay for protecting a polyphase alternating-current circuit comprising a plurality of magnetic structures and only a single movable element associated with said magnetic structures for operating a control circuit, means for applying torques to said movable element including current and potential windings on said structures, means for



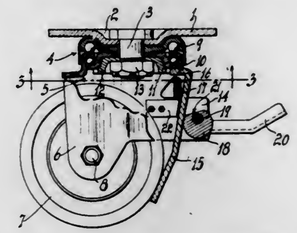
energizing said windings from said polyphase alternating-current circuit so that said distance-responsive relay has the same reach for all types of faults which might occur on said circuit regardless of the number of phases involved or whether the fault involves ground.

2,345,441
LIGHT MODULATING APPARATUS AND METHOD
Gerald W. Willard, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1942, Serial No. 467,650
16 Claims. (Cl. 179—100.3)



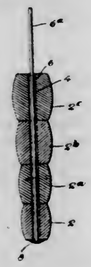
1. Apparatus for modulating light from a light source under control of a source of signaling electromotive force, comprising an ultrasonic cell in the path of a light beam from said light source having vibrating means for setting up mechanical waves therein under control of the electromotive force of said source of signaling electromotive force, an entrance aperture plate in the path of the light beam entering said ultrasonic cell, an exit aperture plate in the path of the light beam leaving said ultrasonic cell, one of said aperture plates having a slit aperture therein, the other aperture plate having in one portion thereof a slit aperture and in the other portion thereof a bar which separates two apertures, and means in said light path for focussing an image of the slit in said one aperture plate upon the bar and slit of the other aperture plate, or vice versa, when no signaling electromotive force is applied to said ultrasonic cell, the bar and slit and the image focussed thereon being substantially coextensive.

2,345,442
LOCKING CASTER
Walter A. Winter, San Pedro, and Clarence G. Rush and Walter H. Thiessen, Long Beach, Calif.
Application March 17, 1942, Serial No. 434,988
3 Claims. (Cl. 16—35)



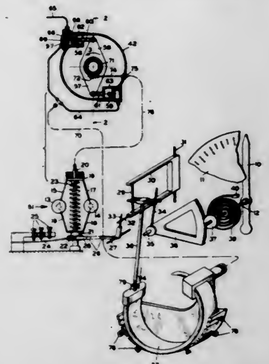
1. A caster comprising a base plate, a yoke swivelly mounted from said base plate, a caster wheel rotatably mounted in said yoke, a stationary toothed ring mounted within the yoke and above the caster wheel, a pair of spaced arms projecting from the yoke, a brake shoe mounted between the arms for translatory movement, the lower end of said brake shoe frictionally engaging the caster wheel, the upper end of said brake shoe being bent inwardly for engagement with the toothed ring on translatory movement of the brake shoe, cam means engageable with the brake shoe and adapted to move the brake shoe into set position, spring means bearing against the brake shoe and opposing the movement of the cam, and a stop bar mounted on the yoke and extending under the bent portion of the brake shoe to limit vertical movement of said shoe.

2,345,443
APPARATUS FOR REMOVING DENTS
William H. Aiken, Richmond, Va.
Application April 21, 1943, Serial No. 483,973
2 Claims. (Cl. 153—36)



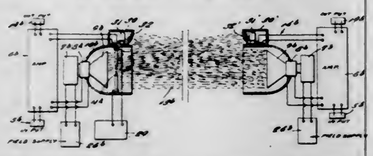
1. An apparatus for removing dents from the curved portion of a pipe, comprising an elongated flexible wire having a stop at the front end thereof, a series of barrel-shaped expanders having axial bores extending therethrough slidably strung on the front portion of said wire, the expanders forming said series being progressively graduated in size, with the smallest thereof engaging said stop, and a rigid tubular driver engaged over the rear portion of the wire, with the front end thereof abutting the rear of said series of expanders, the rear end of driver having a slot for allowing the rear end portion of said wire to pass therethrough.

2,345,444
POWER METER
Walter Angst, Manhasset, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application November 9, 1940, Serial No. 364,953
3 Claims. (Cl. 265—25)



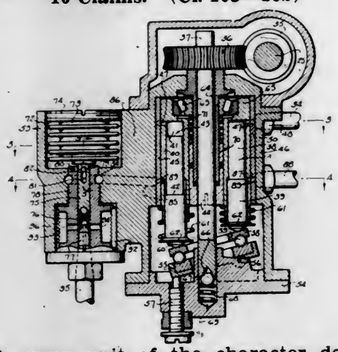
1. A power meter for engines having means for creating a fluid pressure proportional to the engine torque as exerted by the drive shaft of the engine, said meter comprising, in combination, speed responsive means of the centrifugal force type responsive to the speed of the engine, said means including a movable element adapted to be displaced in response to the rotary speed of the engine; means for constraining said element for substantially linear response to the rotary speed of the engine; indicating means; a rod mounted for movement about a pivotal axis parallel to its axis, said rod being connected for movement by said speed responsive means; a lever extending substantially parallel to said rod, said lever being movable about a pivotal axis normal to its axis; a ratio slider operatively connecting said rod and lever at a variable distance from the pivotal axis of the lever; motion amplifying means for moving said indicating means in response to movements of said lever about its pivotal axis; and means responsive to said fluid pressure for adjusting said ratio slider.

2,345,445
TRANSMISSION AND MODULATION OF LIGHT BEAMS
Ben F. Atwood, Lakeland, Fla.
Application May 22, 1941, Serial No. 394,721
6 Claims. (Cl. 250—7)



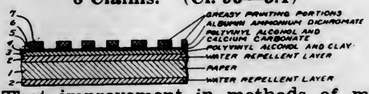
6. The method of transmitting intelligence by means of a modulated light beam directed toward a remote receiving station which consists in directly imposing the normal frequency and amplitudes of the intelligence to be transmitted upon a medium responsive thereto, amplifying the output of such medium, and electro-mechanically imposing the amplified resultant upon the light beam in a manner to modulate the main portion of the light beam principally axially.

2,345,446
APPARATUS FOR HANDLING LIQUIDS
William E. Baker, Swanton, Ohio
Original application August 4, 1940, Serial No. 351,356. Divided and this application May 27, 1942, Serial No. 444,707
10 Claims. (Cl. 103—162)



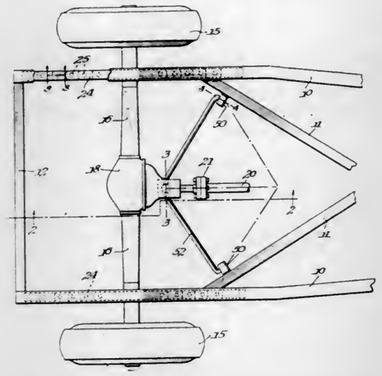
1. A pump unit of the character described, comprising a pumping section of relatively large pumping capacity and a metering section of relatively smaller pumping capacity, an inlet passageway connecting said pumping section with a source of liquid supply, a return passageway leading from said pumping section past said metering section to said source of liquid supply, an outlet passageway connecting said metering section with a point of delivery, means within said pumping section for pumping liquid from the source of supply past the metering section and back to said source of supply, means within said metering section for withdrawing a predetermined amount of liquid from said return passageway and directing it to said point of delivery, a reservoir interposed in the return passageway between said pumping section and said metering section, a valve in said return passageway between said reservoir and said metering section, a second valve in said outlet passageway, and means located in said reservoir and responsive to the pressure of the liquid therein for opening said valves when said liquid pressure rises to a predetermined point and for closing said valves when the pressure falls below said predetermined point.

2,345,447
PROCESS FOR CONTINUOUS-TONE PRINTING PLATES
Ellis Bassist, Brookline, Mass., assignor to William Craig Toland, Brookline, Mass., as trustee
Application November 11, 1942, Serial No. 465,257
8 Claims. (Cl. 95—5.4)



1. That improvement in methods of making planographic printing plates which comprises providing a water-receptive base element which includes a coating of polyvinyl alcohol and clay, applying over the coating of polyvinyl alcohol and clay a second coating of polyvinyl alcohol and calcium carbonate, drying the plate, heating to a point at which the calcium carbonate and polyvinyl alcohol become reticulated, then coating over the reticulated surface of polyvinyl alcohol and calcium carbonate a suspension of albumin and ammonium dichromate, exposing to actinic light and developing.

2,345,448
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application May 7, 1938, Serial No. 206,679
10 Claims. (Cl. 180—73)



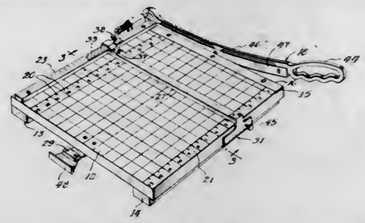
1. In a motor vehicle, the combination with a vehicle frame, road wheels disposed at opposite sides of said frame, axle means carrying said road wheels, resilient means supporting said axle means and road wheels on said frame for rising and falling movement and for limited lateral movement with respect thereto, said means yieldably constraining said axle to rising and falling movement in a path such that a point on said axle describes a generally circular arc in a vertical longitudinal plane, said means comprising longitudinal leaf spring means having one end thereof connected to said frame against longitudinal displacement, and means acting between said axle means and said frame for resisting relative lateral movement thereof, said last named means including a member having articulated connection with said axle means at said point and with said frame at a point located substantially at the apex of a cone of which the said arc defines the base.

2,345,449
TREATMENT OF HYDROCARBON OILS
Edwin R. Birkhimer, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 29, 1941, Serial No. 385,849
6 Claims. (Cl. 196—32)

1. The method of desulfurizing hydrocarbon oil, which comprises contacting said oil with an aqueous solution containing from 35 per cent to 50 per cent of an alkali metal hydroxide and from 2 per cent to 10 per cent of a water-soluble organic solvent, and separating said solution from said oil.

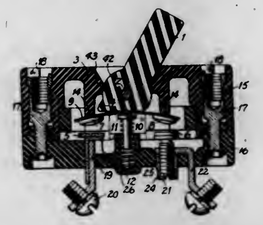
2,345,450
TRIMMING BOARD
Adolph I. Blanc, Chicago, Ill.
Application April 21, 1943, Serial No. 483,905
2 Claims. (Cl. 164—44)

1. A trimming board of the character described, comprising a rectangular base member having a metal cutting edge along one side thereof, a cutting knife pivoted to said base member and adapted to cooperate with said metal cutting edge to produce shearing action, a straight edge abutment having an undercut recess and mounted on said base member at right angles to said cutting edge, a guide strip provided with transversely elongated end members, each provided with inwardly directed flanges arranged for slidable engagement in the recess of the



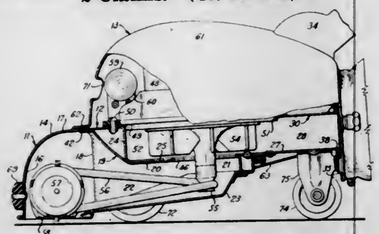
straight edge abutment, and with the under surface of the opposite edge of said base member, said guide strip being movable on said base member only in parallel relation to said cutting edge, and clamping means positioned laterally of said guide strip in the direction of the cutting edge for clamping said guide strip in desired position and also in a position away from the cutting edge to expose the entire trimming board area.

2,345,451
SWITCH
John D. Bolesky, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application August 30, 1941, Serial No. 408,917
12 Claims. (Cl. 200—113)



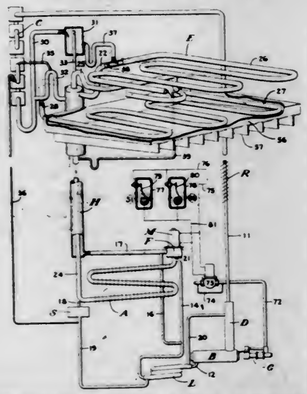
1. A switch comprising a line terminal, a terminal-engaging element, thermostatic means responsive to temperature change to change shape for moving said terminal-engaging element, a movable support for said thermostatic means for moving the latter into a first or second position with respect to said line terminal, whereby in said first position the thermostatic means when it changes position in response to temperature change is adapted to move the terminal-engaging element from engaging to disengaging position, and when said thermostatic means is in said second position to move said terminal-engaging element to either of two positions, neither of which contacts the line terminal, manual means, and cooperative cam means directly connecting between the manual means and the thermostatic means for moving the thermostatic means into said first position in response to movement of the manual means, said cooperative cam means being so formed that action of the thermostatic means in response to temperature rise when in said first position permits movement of the manual means to a position wherein the thermostatic means may move to said second position.

2,345,452
SUCTION CLEANER
Harold H. Boyer, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 22, 1942, Serial No. 459,237
2 Claims. (Cl. 15—16)



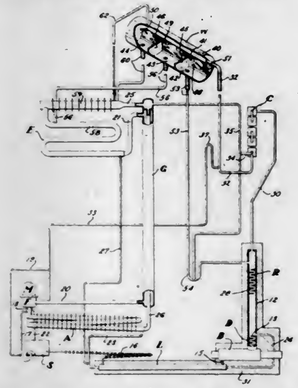
1. A fabricated sheet metal body for suction cleaners comprising, a stamped first body section having a single walled nozzle and an integral rearward extension reduced in cross-section relative to said nozzle and forming part of a suction air passageway, a stamped second body section having a substantially horizontal fan casing mounted on said suction air passageway and connected thereto, a flange extending integrally laterally from the top of said fan casing and having its forward edge resting on said single wall nozzle to lie in a plane substantially in the top wall of said single wall nozzle and extending to the rear of said cleaner body, and a removably mounted stamped third body section to enclose a suction cleaner motor and said second body section from said nozzle to the rear end of said cleaner body, said second body section being mounted on said first body section and said third body section on said first and second body sections.

2,345,453
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,198
21 Claims. (Cl. 62—5)



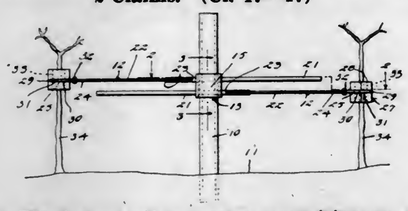
5. Absorption refrigerating apparatus comprising a pair of refrigerating compartments, an evaporator having sections positioned to refrigerate each of said compartments, a solution circuit including a boiler and an absorber, a pressure equalizing medium circuit including said absorber and evaporator, means for supplying refrigerant vapor generated in said boiler to said evaporator in liquid phase, a eutectic tank enclosing one of said evaporator sections, and a control mechanism for said refrigerating apparatus including a control element in each of said compartments for energizing said refrigerating apparatus in response to refrigeration demand in its associated compartment.

2,345,454
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 22, 1939, Serial No. 274,892
19 Claims. (Cl. 62—119.5)



4. Absorption refrigerating apparatus including a generator, a reflux rectifier, a condenser and an evaporator including box-cooling and freezing sections connected in circuit, a dividing member connected to receive liquid refrigerant from said condenser, said dividing member including an inlet chamber receiving liquid supplied from said condenser and a plurality of outlet chambers, means connecting said reflux rectifier and each of said evaporator sections to individual outlet chambers, and wicks extending from said inlet chamber into each of said outlet chambers, the wicks being of different sizes to supply metered quantities of refrigerant liquid to each section of said evaporator and to said reflux rectifier.

2,345,455
PLANT SUPPORT
Orlando L. Brumfield, Pineville, La.
Application October 14, 1942, Serial No. 461,972
2 Claims. (Cl. 47—47)



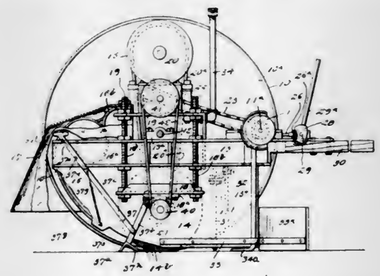
1. Plant supporting means comprising an arm having jaws, separable blocks to surround a plant, said blocks having grooves interfitted by said jaws, one of the blocks having sockets, the terminals of the jaws being disposed in said sockets, diverging portions adjacent to the jaws, and means slidable on said portions to prevent accidental separation of the jaws.

2,345,456
ALDEHYDE CONDENSATION PRODUCTS OF S-BENZYL THIOAMMELINE
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application May 21, 1940, Serial No. 336,359
17 Claims. (Cl. 260—42)

1. The process which comprises heating at reacting temperatures a mixture of S-benzyl thioammeline and an aldehyde.

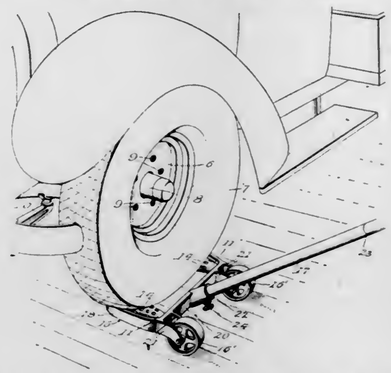
4. The process which comprises heating at reacting temperatures a mixture of S-benzyl thioammeline, formaldehyde and urea.

2,345,457
MOLDING SAND MILLING MACHINE
Homer L. Burg, Dallas City, Ill.
Application November 13, 1942, Serial No. 465,493
17 Claims. (Cl. 22—89)



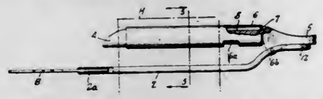
1. In a machine for conditioning sand for foundry molding service, wherein the unconditioned sand is in "heap" location and the machine conditions the "heap" sand within such location, a pair of spaced traction wheels connected by an axle to form a traction unit in which the wheel spacing is sufficient to straddle a heap, and a power-operated conditioning instrumentality supported by the axle and mounted to swing bodily thereon between service and inactive positions and with the swing provided on and about the axle to constitute the axle as the swing axis, said instrumentality including a power source, a rotatable sand conditioning unit driven from said source, said source being positioned on the opposite side of the axle from the position of the conditioning unit, the locations and weights of source and unit being such that a plane extending through both and through the axle will extend substantially vertical when the machine is in service and substantially horizontal when the instrumentality is in its inactive position to thereby provide approximate balance of the instrumentality in the vicinity of such plane in either position, a frame carried by the axle for supporting the source and rotating conditioning unit and for forming a semi-enclosed space within which the rotating conditioning unit is located, said frame having a zonal configuration in rear of such service position vertical plane such as to present a maximum radial distance from the swing axis within the zone as less than that of a radius of the traction wheels to thereby permit bodily swing of the instrumentality between said service and inactive positions, removable means in rear of the conditioning unit for receiving the sand from such unit and for controlling the deposit of the sand in its conditioned heap formation, and controllable means for operably connecting the power source and the traction wheels at will to thereby provide power traction of the machine during service and permit manual traction when the instrumentality is in inactive position.

2,345,458
WHEEL APPLYING DEVICE
Joseph Victor Caron, Detroit, Mich.
Application March 15, 1943, Serial No. 479,276
2 Claims. (Cl. 280—53)



2. In a truck of the class described, a horizontal frame comprising a rear end bar, two side bars rigidly secured to and projecting forwardly from the ends of said rear end bar, and two pairs of short arms rigidly secured to and projecting rearwardly from the end portions of said rear end bar; two laterally spaced supporting wheels behind said rear end bar and upon which said short arms are mounted; two elongated rollers extending longitudinally of and disposed at the inner sides of said side bars, means mounting the rear ends of said rollers in invariable positions directly on the end portions of said rear end bar, means extending inwardly from the front ends of said side bars and supporting the front ends of said rollers in invariable positions, and a rearwardly inclined handle rigidly secured at its front end to the aforesaid frame.

2,345,459
METHOD AND DEVICE FOR WAVING HAIR
Elhanan S. Chibnik, Brooklyn, N. Y., assignor to Eastern Trading Company, New York, N. Y., a firm composed of Anna Finkelstein and William Finkelstein
Application May 26, 1942, Serial No. 444,519
9 Claims. (Cl. 132—33)



1. A hair-waving device having spaced arms, said arms having hollow outer free ends which are spaced laterally from each other, said outer ends being sufficiently close to each other to removably support the respective shanks of a Bobby pin, a movable member pivoted to said device, a part of said member being movable from an initial position at one side of said arms and through the space between said arms to a final position at the other side of said arms, said part of said movable member being adapted to move a portion of a strand of hair in unison with said part from said initial

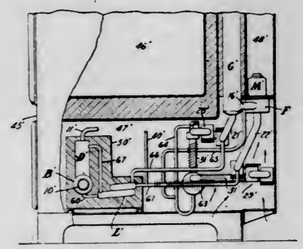
position to said final position to form a transverse bight in said strand of hair, with the legs of said bight extending through the space between said arms, said strand of hair being longitudinally slidable off said movable member, the legs of said Bobby pin springing towards each other to clamp said strand of hair and to hold said strand in bight formation, when said Bobby pin is released from said arms.

2,345,460
SNOWPLOW ATTACHMENT FOR TOYS
Patrick E. E. Coderre, Port Chester, N. Y.
Application November 7, 1942, Serial No. 464,915
3 Claims. (Cl. 37—46)



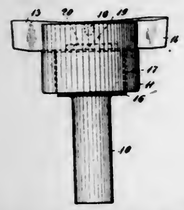
1. A snow plow attachment for toy sleds comprising a pair of light-weight curved wings in angular relation to each other; two flat arms the front ends of which are bent downwardly so as to fit against the back surfaces of the respective wings, and the rear ends of which are adapted to be secured to the toy sled; a thumb screw extending through each wing and through each front end of said arms, connecting each wing to one of said arms; and three rectangularly bent rods secured to the lower edges of said wings and adapted to facilitate the sliding of the plow on the ground, substantially as described.

2,345,461
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application February 5, 1940, Serial No. 317,385
21 Claims. (Cl. 62—119.5)



3. Refrigerating apparatus comprising a cabinet having an insulated storage chamber, a lower mechanism compartment and a vertical cooling air flue opening into the upper end of the mechanism compartment, an absorption refrigerating system associated with said cabinet comprising an inert gas circuit including a tubular air-cooled absorber in said mechanism chamber and a cooling unit, an absorption solution circuit including a boiler assembly and said absorber, said absorber comprising a lower section arranged to receive lean solution from said boiler assembly and to discharge lean inert gas to said cooling unit and an upper section arranged to receive rich gas from said cooling unit and to discharge strong solution to said boiler assembly, said lower absorber section being located directly beneath the lower end of said air flue whereby the weak solution and lean inert gas are maintained at a low temperature and a straight line cooling air flow is provided over said lower absorber section.

2,345,462
CUTTING TOOL HOLDER
Daniel Josef Coughlin, Uddevalla, Sweden
Application November 21, 1941, Serial No. 420,025
In Sweden November 29, 1940
9 Claims. (Cl. 279—9)



1. A cutting tool holder for milling machines, such as those used for wood working, which comprises in combination a shank having an end adapted to be secured in the milling machine and a threaded end, a tool-holding head having an axial threaded bore adapted to receive the threaded end of said shank, said head being provided with a transverse slot of dovetail shape communicating with said threaded bore and being adapted to receive the shank portions of two cutting tools said shank portions being of wedge shape and when placed together in operating position having a contour corresponding to the shape of said dovetail, the threaded end of said shank being adapted to press against the shank portions of said cutting tools thereby producing a wedging action serving to secure said cutting tools firmly in said head.

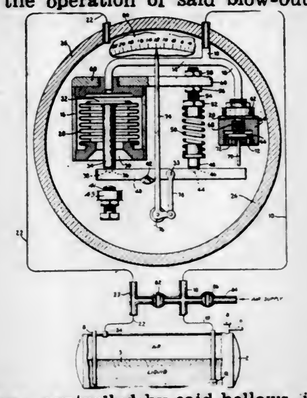
2,345,463
ARTICLE OF FOOD AND PROCESS OF MAKING THE SAME
Robert R. Cox, La Junta, Colo.
No Drawing. Application June 25, 1943, Serial No. 492,304
6 Claims. (Cl. 99—107)

1. The process of preparing edible meat skins and rind substances, which comprises contacting the substance with an oil heated to a temperature sufficient to bring about the slow expansion of the cellular structure of the substance, then removing the substance from contact with the heated oil after such cellular expansion has progressed to the stage of imparting a bubbled appearance to the substance, draining off the oil, afterward contacting the substance with oil heated to a materially higher degree sufficient to cause the violent rupturing of the expanded cells, separating the substance from the oil following such rupturing to prevent burning, and then draining the oil from the substance.

2,345,464
SAFETY DEVICE FOR INSTRUMENTS
Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application January 8, 1941, Serial No. 373,579
5 Claims. (Cl. 73—302)

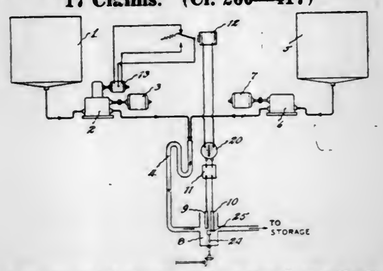
1. In an instrument of the class described, in combination, a metallic bellows, an indicator operated by said bellows, means for normally subjecting said bellows to internal and external fluid pressures to cause said indicator to indicate in accordance with the difference in said pressures, blow-out means operable upon said bellows at intervals and subjecting said bellows to abnormally high pressure differentials, and means controlled

by said bellows for preventing injury to said bellows by the operation of said blow-out means,



said means, controlled by said bellows, including a valve for opening communication between the opposite sides of said bellows.

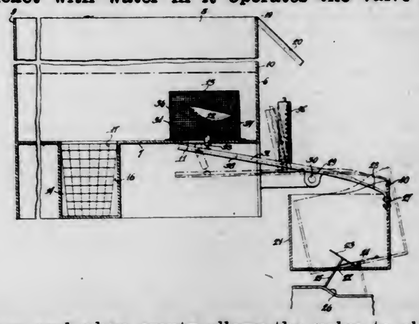
2,345,465
NEUTRALIZING ORGANIC MATERIALS
Gilbert De Wayne Miles, New York, N. Y., Conrad William Jakob, Secaucus, N. J., and Joseph Henry Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application July 11, 1942, Serial No. 450,646
17 Claims. (Cl. 260—417)



1. A method of determining the free alkali content of a fluid salt composition which comprises measuring the potential between an electrode wet by a fluid composition of a salt of a weak acid having a discontinuous aqueous phase and a water content less than about 60% and a reference electrode in a known solution in contact with said fluid composition, and comparing said measured potential with predetermined values for potential between said electrodes in said fluid composition at substantially the same water content and in said known solution, respectively, corresponding to various values for free alkali content of said fluid composition.

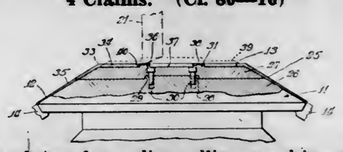
2,345,466
IRRIGATION CONTROL SYSTEM
Sebastiao Luiz Dias, Bethlehem, Pa.
Application October 8, 1941, Serial No. 414,165
7 Claims. (Cl. 61—12)

1. In an intermittent irrigating system, walls forming a pool having an overflow and having an irrigating discharge opening from the bottom of the pool, a valve for said opening, a bucket receiving flow from the overflow and having an opening in its bottom for outward flow of water, counter-balancing connections between the bucket and the valve whereby the bucket with water in it operates the valve to



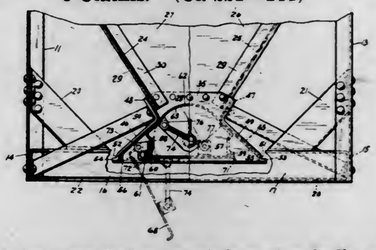
open and when empty allows the valve to close and means for directing part of the irrigating main discharge into the bucket.

2,345,467
PLATEN FOR ROLLING APPARATUS
Adolph W. Doderer, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 15, 1941, Serial No. 419,279
4 Claims. (Cl. 80—16)



1. A platen for a disc rolling machine wherein a blank having an irregular central opening is to be rolled inwardly toward its center, said platen comprising a supporting region for the blank and a central ridge removed from the irregular central opening, said ridge being shallower than the thickness of the disc immediately adjacent the ridge, whereby a recess is formed in the blank as the latter is rolled over the ridge, the recess facilitating piercing a central opening in the blank.

2,345,468
BULK MATERIALS CONTAINER
Arthur J. Doyle, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application January 31, 1941, Serial No. 376,846
8 Claims. (Cl. 221—144)



8. A transportation container for bulk materials having a base, a discharge opening in the bottom of said container, a frame around said discharge opening extending below said discharge opening and terminating within said base, said frame comprising end members spaced from the sides of said container adjacent thereto and side

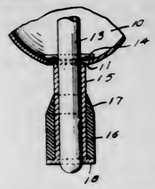
members spaced from the remaining sides of said container and extending between and secured to said end members, said end and side members terminating substantially in the same plane below said discharge opening, a closure for said discharge opening lying within the perimeter of said frame and above said base when closed, said frame being adapted to be seated in weathertight relationship upon a receptacle during discharge of material into said receptacle, and means for operating said closure to discharge the material while said frame is seated upon said receptacle.

2,345,469
PATCH
Eugene Dugaw, Tacoma, Wash.
Application September 22, 1941, Serial No. 411,865
2 Claims. (Cl. 20—93)



2. A patch having curved side edges, approaching each other on acute angles and joining in a split at each point of junction, wherein a small tail is formed at each end of the patch and wherein one side edge of said tail conforms to the same curvature as the edge of the patch it is the continuation thereof, and wherein the opposite edge of said tail is formed by a split parallel the grain and connects the two opposite side edge curvatures of said patch at each point of junction.

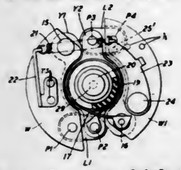
2,345,470
CREAM EXTRACTOR
Ralph Edwards, Osceola, Ind.
Application January 8, 1943, Serial No. 471,751
4 Claims. (Cl. 210—51.5)



1. A cream extractor comprising a receptacle having an opening in its bottom wall, a rod passing through said opening, a sleeve surrounding the rod and of less diameter than said opening and removable exteriorly of the receptacle over the lower end of the rod, a stopper on the sleeve below the opening to coact therewith at times to close the opening, and abutment means on the rod spaced from the stopper arranged to contact the interior surface of said bottom wall on depression relatively thereto, said sleeve having an outwardly extending flange supporting said stopper.

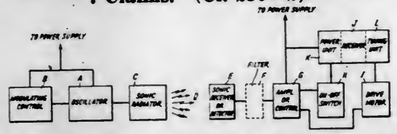
2,345,471
SPEED GOVERNOR FOR CALL TRANSMITTERS
Harold W. Goff, Manhasset, N. Y., and Charles R. Moore, Maplewood, and Orville L. Walter, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1940, Serial No. 361,840
2 Claims. (Cl. 188—186)

1. A speed governor for a signal transmitting device, said governor comprising a rotatable supporting member a yoke free on said member, a pair of weights each having an end connected to said yoke by a link member, a second yoke se-



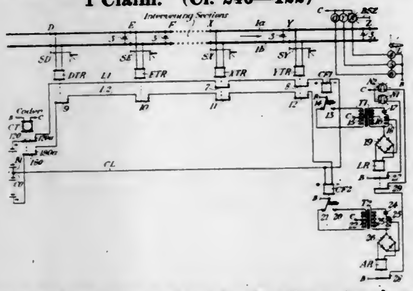
cured to said member to which the other end of each weight is pivoted, and a brake-band passing around a fixed drum and connected at its opposite ends to said yokes, respectively.

2,345,472
REMOTE CONTROL SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 20, 1939, Serial No. 300,326
7 Claims. (Cl. 250—2)



1. The steps in a method of remote control which comprise generating aerodynamic wave energy of a low supersonic frequency, modulating said energy of supersonic frequency with energy of a sub-audible frequency, radiating the thus modulated energy of supersonic frequency as airborne free wave energy, receiving the said airborne free wave energy, demodulating the received energy, selecting from the demodulated energy the modulating frequency component of the received energy, and utilizing the resultant energy output for remote control purposes.

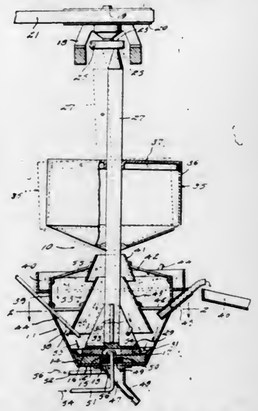
2,345,473
TRACK INDICATION SYSTEM
Roy E. Harlow, Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 25, 1942, Serial No. 448,331
1 Claim. (Cl. 246—122)



In combination, a stretch of railway track over which traffic normally moves in a given direction formed with consecutive track circuited sections each provided with a track relay, a signal located at the exit end of the stretch for at times directing a train into the stretch in the reverse direction, a first line circuit extending through said stretch and having interposed therein front contacts of the track relays of a first preselected group of the sections near the exit end of the

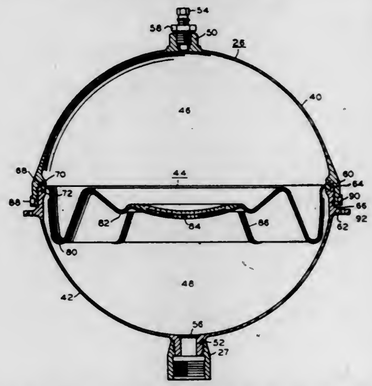
stretch, a second line circuit extending through said stretch and having interposed therein front contacts of the track relays of all of the sections of the stretch, supply means at the entrance end of the stretch connected to said line circuits to supply to the first line circuit direct current of normal polarity coded at a first code rate and to supply to the second line circuit direct current of reverse polarity coded at a second code rate, a first polar code following relay at the exit end of the stretch connected to said first line circuit and operated only by current of normal polarity, a second polar code following relay at the exit end of the stretch connected to said second line circuit and operated only by current of reverse polarity, said polar relays characterized by high sensitivity to operate through said line circuit directly by current supplied by said supply means, a first decoding relay controlled by said first code following relay and energized only by energy of said first code rate, a second decoding relay controlled by said second code following relay and energized only by energy of said second code rate, and a first and a second indicator governed by said first and second decoding relays respectively to indicate by said second indicator occupancy of the stretch and by said first indicator the presence of a train near the exit end of the stretch to aid the operator in governing said signal.

2,345,474
ORE MILL
Frank J. Haverland, Deadwood, S. Dak.
Application November 19, 1941, Serial No. 419,799
4 Claims. (Cl. 83—10)



2. An ore grinding mill comprising a fixed die, a gyratable shaft extending upwardly from above the center of said die, a movable die having a downwardly open central recess connected to the lower end of the shaft, a driven rotary shaft concentric with the fixed die, a crank pivotally connected to the rotary shaft, said first-mentioned shaft having its upper end journaled in the crank and eccentrically disposed relatively to the driven shaft for gyrating the movable die when the rotary shaft is revolved, said movable die engaging the upper surface of the fixed die, means extending through the fixed die and into the recess to supply fluid thereto, means for urging the movable die and shaft downwardly, said dies being ring-shaped, a liquid containing tank in the bottom of which said dies are disposed, and a jig bed located centrally of the fixed die, said tank being provided with an outlet beneath the jig bed, the gyrating movement of the movable die relatively to the fixed die producing hydraulic currents adapted to concentrate heavy particles of ore, being ground by the dies, toward the jig bed and expelling the underweight and undersized particles of the ore outwardly and into the liquid tank.

2,345,475
ACCUMULATOR
Kenneth R. Herman, Franklin, and Raymond C. Griffith, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 11, 1942, Serial No. 434,160
2 Claims. (Cl. 138—30)

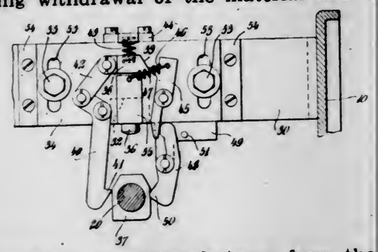


2. A fluid pressure accumulator comprising two hemispherical cups and a flexible diaphragm assembled together to provide fluid-tight liquid and gas chambers on opposite sides of the diaphragm, said shells being formed to provide a recess of generally triangular cross-section with its base lying in a cylindrical surface at the outside of said recess, and a sealing ring formed on the periphery of the diaphragm, said ring having a volume sufficient to substantially fill but insufficient to become clamped in the recess after final assembly but of a shape slightly varying from the shape of the recess whereby the ring will be distorted in the process of assembly to set up localized pressure contacts between ring and recess effective to seal at low pressures in the accumulator and being further distorted by the application of high pressure in the accumulator to more tightly wedge the ring into corners of and against the outer wall of the recess.

2,345,476
MANUALLY OPERATED FASTENER ATTACHING MACHINE
Otto J. Huelster and Edmund D. Janes, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 24, 1942, Serial No. 448,262
6 Claims. (Cl. 218—5)

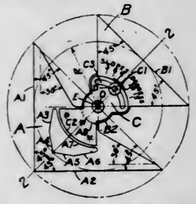
1. In a manually operable fastener attaching machine or the like having dies for receiving and holding complemental fastener elements which are to be attached to material, at least one of said dies being movable toward the other, a treadle, means operatively connected with the treadle for moving the movable die, and means operative by the movement of the treadle after the treadle has been moved to bring the dies into the relation where the fastener elements carried by said

dies will be in partially locking relation for preventing withdrawal of the material and of the



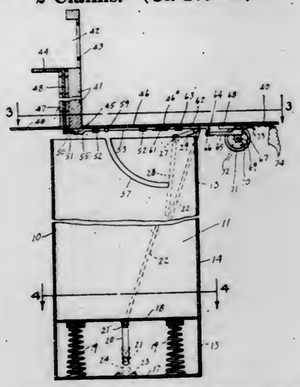
incompletely assembled fastener from the machine until the treadle has completed its full stroke.

2,345,477
DRAFTING INSTRUMENT
Monroe R. Hull, Anaconda, Mont.
Application November 4, 1941, Serial No. 417,797
1 Claim. (Cl. 33—75)



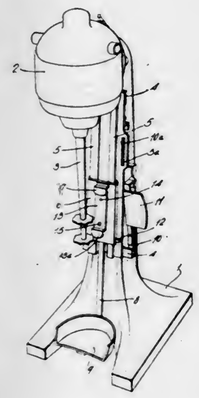
A drafting instrument consisting of two principal triangular members having adjustable angular relation about a common central pivot which is located at the center of the hypotenuse of the first member and at the apex of the second member, the first member having two exterior straight sides of equal length at 90° to each other and at 45° to its line of symmetry, two interior straight sides of equal length each of which is at an angle of 30° to one of the exterior sides, the second principal member being a 45° triangle the hypotenuse of which is of the same length as one of the exterior sides of the first member.

2,345,478
BANK PROTECTION AND TRAP DEVICE
John F. Hundley, Indianapolis, Ind.
Application September 25, 1942, Serial No. 459,677
2 Claims. (Cl. 109—2)



1. In combination a trap door in a floor, a trapping chamber therebeneath, a false floor in the chamber normally constrained upwardly and added weight movable downwardly, door release means, door closing means, means operatively connected to the false floor and operable in the lowering movement thereof to close the door, and latch means external of the chamber for latching the last mentioned means in door closing position.

2,345,479
CUP ADAPTER ARRANGEMENT FOR LIQUID MIXING APPARATUS
Sixten I. Johnson, College Point, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application June 24, 1942, Serial No. 448,219
1 Claim. (Cl. 259—1)

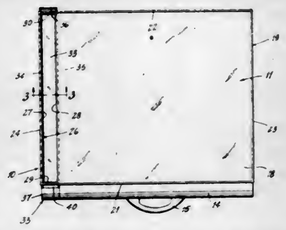


In liquid mixing apparatus comprising a standard, a motor having a downwardly extending mixing arm, a vertical track, a carriage plate slidable thereon, a finger at the upper end of said carriage plate for cooperation with the rim of a receptacle or cup, and a support for the bottom of the receptacle or cup carried by said carriage plate, the combination with an adapter plate positioned vertically below said finger, a key slot and a depression on said carriage plate, a key member and a pin on said adapter plate, said key member coacting with the wall surface at said key slot and said pin cooperating with said depression to hold the adapter plate in vertical position on said carriage plate, said adapter plate having a second finger positioned vertically below said first named finger for cooperation with the rim of a receptacle or cup having less height than said first named receptacle or cup.

2,345,480
DRIP PAN CONSTRUCTION
Edwin A. Jones, Webster Groves, Mo., assignor to Majestic Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application October 20, 1941, Serial No. 415,685
2 Claims. (Cl. 99—425)

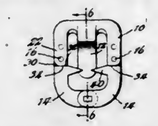
1. In combination, a cooking device including a casing, a plate thereon to receive grease, a side wall thereon toward which the grease may flow, means extending from the casing to provide an opening adjacent the side wall, a chute secured in said opening with an upper edge disposed no higher than the edge of the plate to receive grease

therefrom, said chute depending for a substantial distance below the said edge to provide guide walls, a substantially open top grease receptacle having a side wall adapted to be disposed adjacent the side wall of the device, and having a lower wall upon which it is supported independently of the chute, the receptacle having upper side walls substantially vertical to lie against the de-



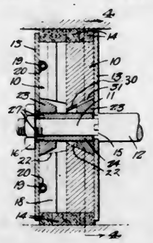
pending walls of the chute and to engage at least one for a substantial vertical distance to give lateral support to the receptacle and to prevent its wobbling, and said contiguous walls of the chute and receptacle being shaped to permit withdrawal of the receptacle with the upper side walls of the receptacle sliding along the depending walls of the chute.

2,345,481
CLASP
Theobald Kaiser, East Orange, N. J.
Application February 16, 1943, Serial No. 476,101
13 Claims. (Cl. 24—160)



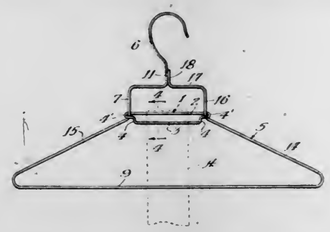
1. In a clasp for fabrics or the like, a frame and thereon a fixed blade to underlie the fabric to be clasped, in combination with a prong to overlie said fabric and means hingedly joining said prong to said frame in laterally spaced relation to said blade, for lateral movement away from and toward said blade.

2,345,482
PISTON FOR STEAM DRIVEN PUMPS
Homer C. Keith, El Reno, Okla.
Application June 26, 1942, Serial No. 448,661
4 Claims. (Cl. 309—4)



1. A piston comprising a piston rod having a shoulder and being of reduced uniform diameter beyond the shoulder, metal plates on the reduced portion of the piston rod, disks mounted upon the reduced portion of the piston rod between the plates, packing rings on the disks, the plates being slightly greater in diameter than the disks and slightly smaller in diameter than the packing rings, each packing ring being of sectional formation, means yieldably holding the sections of each packing ring urged toward each other, said sections of each disk having tapered openings receiving the reduced portion of the piston rod, a sleeve loose on the reduced portion of the piston rod having a right-hand thread at one end and a left-hand thread at the other end, expanders of frustrum shape threadedly engaged with the end portions of the sleeve adapted to be moved toward each other in said openings of the disk when the sleeve is turned axially and expand the sections of the respective disks radially outward to increase the diameter of the disks and compensate for wear on the packing rings, and a nut on the reduced portion of the piston rod engaging one of said plates, the other of said plates engaged in said shoulder, said nut holding the several parts of the piston in assembled relation.

2,345,483
GARMENT HANGER ACCESSORY AND HANGER
William R. Kohl, Glenview, Ill., and William W. McFall, Mankato, Minn.
Application May 5, 1941, Serial No. 391,846
3 Claims. (Cl. 223—88)

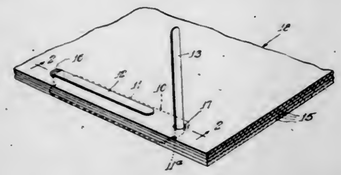


1. In combination, a garment hanger having a triangular body portion and a hook member at the apex of said body portion, an auxiliary demountabe garment supporter comprising two spaced bars connected at adjacent ends to form an elongated flattened loop member, the apex of the hanger passing through said loop member, the spacing of the bars at the ends of the said loop member being only slightly greater than the thickness of the body portion of the garment hanger.

2,345,484
FILE FASTENER
Elmer E. Krumwiede, Park Ridge, Ill.
Application July 25, 1942, Serial No. 452,279
2 Claims. (Cl. 24—153)

1. As an article of manufacture, a one-piece file fastener of fibrous material comprising an elongated base portion, a pair of tongues reduced in width from the width of the base portion extending respectively from opposite ends of the base portion, whereby shoulders are provided between the base portion and said tongues, and the tongues are adapted to be passed through perforations in paper sheets and then bent down thereon to hold the sheets together with the faces of the tongues which are uppermost when the tongues and base portion are in the flat facing the sheets when the tongues are bent down, and integral means including a pressure energizable releasable adhesive coating carried on the faces

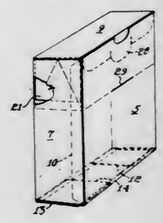
of the tongues which are uppermost when the base portion and tongues are in the flat for retaining the tongues in said bent down position on the sheets while permitting repeated removal therefrom without marring the sheet or dissipating the adhesive, said base portion being without the adhesive coating and the extremities of the tongues being attenuated for guiding the tongues.



2,345,485
DYESTUFF SALTS
Hans Krzikalla, Otto Dornheim, and Helmut Pfitzner, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 26, 1940, Serial No. 315,776. In Germany February 10, 1939
8 Claims. (Cl. 260—438)

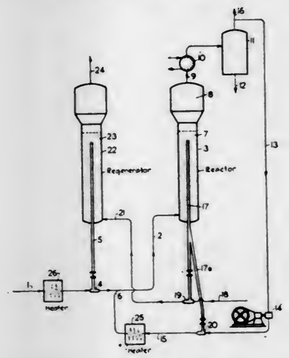
1. Dyestuffs of the azomethine series easily soluble in organic agents being amine salts of complex heavy metal compounds of azomethine compounds containing in ortho-position to the carbon atom and in ortho-position to the nitrogen atom of the azomethine bridge a radical capable of forming complexes with heavy metals having an atomic weight of from 48 to 66, and selected from the class consisting of —OH, —O—alkyl, —SH, —S—alkyl, —NH_2, —COOH and —OCH_2—COOH at least one of the said radicals being a hydroxy group, said azomethine compounds having at least one sulfonic acid group, with organic nitrogen bases containing at least 5 carbon atoms.

2,345,486
RECEPTACLE
Nathan Leebov, Pittsburgh, Pa.
Application August 24, 1942, Serial No. 455,871
1 Claim. (Cl. 229—44)



A container having front and rear walls connected by side walls whose upper portions are bendable inwardly and outwardly from the planes of their respective walls, a closure flap connected to the upper edge of the rear wall in position to be folded forwardly at its line of juncture with the rear wall, to close the container, means for releasably retaining the flap in closed position, when the said sidewall portions are in the planes of their respective side walls, the upper portions of the front and rear walls being bendable toward one another on axes adjacent to said bendable sidewall portions, when the said portions are deflected, and means located below the rearwardly-bent portion of the front wall, for releasably holding the forward edge of the flap, in position to retain the flap flatwise against the front face of said rearwardly bent portion of the front wall.

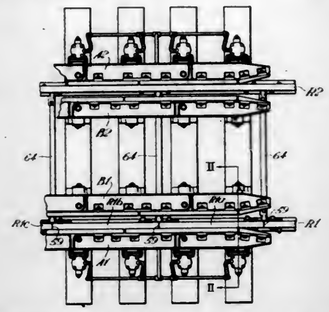
2,345,487
METHOD FOR EFFECTING CATALYTIC CONVERSIONS
George E. Liedholm, Scarsdale, N. Y., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 9, 1942, Serial No. 433,845
4 Claims. (Cl. 196—52)



1. An improved process for the execution of endothermic reactions in the vapor phase with a finely divided solid regenerative catalyst at elevated temperatures which comprises heating and vaporizing a stream of organic vapors to be reacted, introducing into said stream freshly regenerated finely divided solid catalyst, introducing into said stream a heated mixture of partially spent finely divided solid catalyst and product gases, passing said stream into the lower portion of a fluidized column of finely divided solid catalyst under reaction conditions so that the vapors pass up through the fluidized catalyst, separating the vaporous reaction product into a gaseous and a liquid portion, withdrawing partially spent catalyst from said column, regenerating a portion of said withdrawn catalyst, and passing another portion of said withdrawn catalyst by means of said gaseous products through an indirect heating means wherein it is heated to a temperature above the reaction temperature prevailing in said catalyst column and then to the said incoming stream of vapors to be reacted.

2,345,488
RAILWAY BRAKING APPARATUS
John W. Logan, Jr., Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 30, 1942, Serial No. 445,215
3 Claims. (Cl. 188—62)

1. A rail construction comprising a plurality of relatively short rail sections disposed end to end, splice bars bolted to the opposite sides of said sections for securing said sections together, means for insulating said sections from each other and from said splice bars, means for insulating said bolts from said splice bars, and a bracket spanning the abutting ends of two of



said sections and clamped against the one splice bar by means of the same bolts which secure said sections together, whereby said bracket is insulated from the rail sections, said bracket serving as a means to secure a tie rod to the sections and maintain it insulated therefrom.

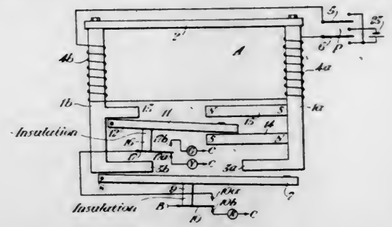
2,345,489
ANATOMICAL MODEL
Frederic P. Lord, Hanover, N. H.
Application April 10, 1943, Serial No. 482,602
5 Claims. (Cl. 35—17)



1. An anatomical model permitting demonstration of the variable association of two organs or structures by an extensible connecting organ or structure, comprising a pliably manipulable elongate member adapted to represent a highly flexible organ, a second member adapted to represent another comparatively inflexible organ or structure and having an elongate opening, a series of closely juxtaposed thread-like connectors leading from adjacent points along said elongate member into one side of said opening, and means associated with said second member on the other side of said opening for retaining said connectors taut regardless of the relative position of said members, whereby said connectors when pulled through said opening, represent in appearance and flexibility a sheet-like tissue of the nature of a mesentery.

2,345,490
ELECTRICAL RELAY
Paul N. Martin, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 5, 1942, Serial No. 464,671
5 Claims. (Cl. 175—339)

1. An electrical relay comprising a pair of cores connected at one end by a backstrap and provided at the other end with pole pieces, energizing windings disposed on said cores, a neutral armature movable toward and away from said pole pieces, a pair of permanent magnets connected at one end with one core at the same end as the associated pole piece and having their free ends oppositely poled and disposed in parallel spaced relation, and a polar armature magnetically connected with the other core of said electromagnet at the same end as the associated pole piece and mounted to move toward one or the other of the free ends of said permanent magnets.

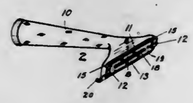


2,345,491
WAVE TRANSMISSION NETWORK
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1941, Serial No. 420,360
34 Claims. (Cl. 178—44)



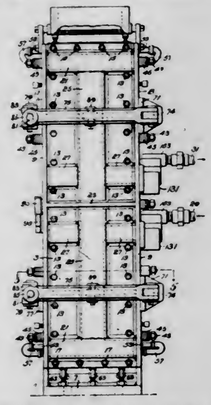
30. A mechanical wave filter for transmitting a band of frequencies comprising a rod and a crossbar both made of acoustic material, said crossbar being located near the center of said rod, said rod having a length approximately equal to a half wave-length at a frequency in said band and said crossbar having its dimensions so proportioned that the first clamped-free flexural antiresonance of each half occurs at a frequency close to a limit of said band.

2,345,492
SAFETY RAZOR
Henry Miller, Seattle, Wash.
Application June 23, 1943, Serial No. 492,168
2 Claims. (Cl. 30—62)



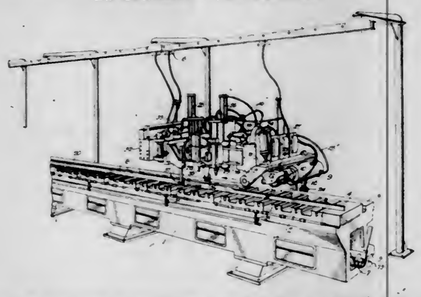
1. In a razor, a relatively flat guard member; a handle connected with said guard member; an inwardly extending resilient blade receiving clip at each lateral edge portion of said guard member extending throughout the major portion of the width of said guard member and cooperating with said guard member to form a blade receiving groove that is open at the bottom to slidably and frictionally receive the edge portion of a blade member; and a stop and positioning member at the upper end portion of each groove positioned to engage with the corners of the upper edge portion of a blade.

2,345,493
MOLD
Paul M. Mueller, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Original application June 5, 1941, Serial No. 396,696. Divided and this application June 12, 1942, Serial No. 446,722
14 Claims. (Cl. 22—153)



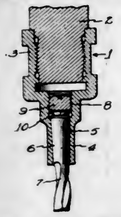
1. A mold having separable parts coacting to form a split mold chamber, means movably mounting one of said parts for opening and closing the mold chamber comprising a supporting member for the movable part, which member is mounted for swinging movement, and means connecting the part so supported to said member for movement relative to said member toward and away from the plane of the split of the mold.

2,345,494
SPAR TAPERING AND SHAPING MACHINE
Rudolph F. Onsrud, Chicago, Ill., assignor to Onsrud Machine Works, Inc., Chicago, Ill., a corporation of Illinois
Application December 29, 1941, Serial No. 424,797
13 Claims. (Cl. 90—13)



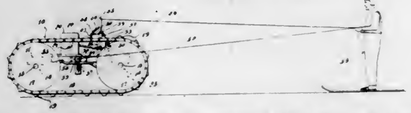
1. A milling machine comprising a work-receiving table formed along one side thereof with a straight runway, a carriage fitting said runway and overhanging the table, a plurality of cutting units movably supported by the carriage and each comprising a motor and a tool-carrying arbor, the mounting for one of said cutting units consisting of a pair of parallel arms each pivoted at one end to the carriage, a slide-way element pivotally connected with the opposite ends of said arms, a motor support mounting for rotation on said slide-way element, and said motor support being formed with a slide-way for receiving the motor.

2,345,495
CHUCK
Rudolph F. Onsrud, Chicago, Ill., assignor to Onsrud Machine Works, Inc., Chicago, Ill., a corporation of Illinois
Application February 1, 1943, Serial No. 474,357
4 Claims. (Cl. 279—103)



1. A chuck having an outer end wherein is formed a tapered tool receiving socket, said chuck having walls converging toward the free end thereof to provide said tapered socket, an axial bore in said chuck adjacent the larger end of the tapered socket and in alignment therewith, a tool for said chuck having a tapered shank and arranged to seat against the tapered walls of said socket, a plug adjustable axially in said bore, and spring means in said bore located between and expanding against said plug and the upper end of said tool for securely and resiliently forcing said tool into said tool socket.

2,345,496
TRACTOR
Alvin W. Opheim, Alden, Ill.
Application July 3, 1941, Serial No. 401,011
7 Claims. (Cl. 180—9.1)

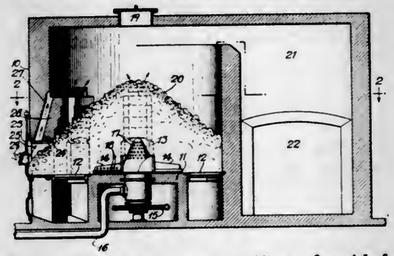


1. A remote control means for tractors comprising a relatively light tractor having a prime mover, a belt for connecting said prime mover to a ground engaging member of the tractor for propelling the tractor, a belt tightener pulley, means for swingably mounting said belt tightener pulley for moving it into and out of engagement with the belt, a latch carried by said means for holding the belt tightener pulley in an applied position for holding the belt tight for driving said ground engaging member, a spring for urging the belt tightener pulley to a released position, a lever pivotally mounted on the tractor, and a flexible member projecting from the free end of said lever, said flexible member being adapted to be pulled rearwardly of the tractor for engaging said means for moving the belt tightener pulley to an applied position or for engaging said latch for releasing said means to permit the spring to move the belt tightener pulley to a released position.

2,345,497
FURNACE CONSTRUCTION
Mark B. Owen, Hastings on Hudson, N. Y., assignor to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Application February 10, 1943, Serial No. 475,344
1 Claim. (Cl. 110—18)

A furnace construction having in combination, a grate, a furnace wall of substantial thickness

surrounding the grate construction upon which material is adapted to be piled for combustion, means for agitating the material in the pile and for advancing same outwardly while also discharging air therein in directions outwardly of the pile, a door and a door frame therefor extending through the wall, the lower side of such frame being at approximately the level of the grate and the frame being at a region such that the material of the pile as outwardly advanced,



tends to block the inner portion of said frame and thereby form a pocket in its upper outer portion, into which pocket smoke and fumes tend to be driven by said discharged air, and a flue formed in the wall structure and extending upwardly from within the outer upper portion of said door frame to a substantially higher point within the furnace, for discharging such smoke and fumes into the furnace space above the pile.

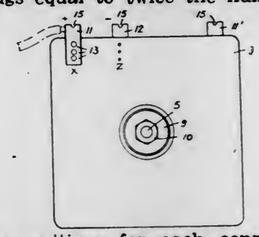
2,345,498
SALT-BRIDGE TUBE AND METHOD OF PRODUCING IT
George A. Perley, Wyncote, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 1, 1942, Serial No. 437,153
7 Claims. (Cl. 204—195)



4. The method of forming a passage for a salt-bridge connection through a salt-bridge tube of glass which comprises heating the tube to temperature effecting tackiness of the glass around an opening in the tube, closing the opening with a plug of glass having substantially different coefficient of expansion, and thereafter cooling the tube to produce, because of different rates of contraction of the glasses, a crack at or adjacent the plug.

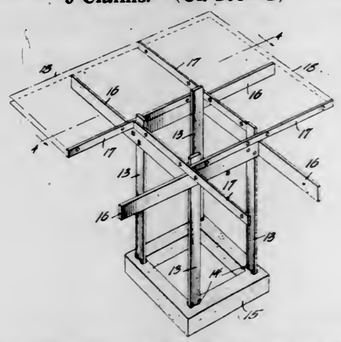
2,345,499
ALTERNATING CURRENT RECTIFIER APPARATUS OF THE DRY SURFACE CONTACT TYPE
Leslie Hurst Peter and Sydney Arthur Stevens, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 17, 1942, Serial No. 462,374
In Great Britain June 6, 1941
1 Claim. (Cl. 175—366)

Alternating current rectifier apparatus comprising a plurality of rectifier elements arranged in a column together with connector members disposed in said column in which the connector members are each provided with a connection lug adapted to be secured to the member at a different one of two or more alternative positions each of which is asymmetrically situated relative to the center line of the member and so as to project outwards from the member in substantially the plane thereof, whereby by reversing the positions of some of the connector members in the column with respect to the others a number of possible positions of the connector lugs equal to twice the number of pos-



sible lug positions for each connector is obtained so that when the rectifier is assembled the lugs of the connector members will be in a corresponding number of straight lines on one side or the other of the plane containing the center line of the connector members and the lugs in each line may be electrically connected together by straight bars or wires.

2,345,500
DEMOUNTABLE HOUSE
John R. Petter, Pine Bluffs, Ark., assignor of one-tenth to Grace W. Tellier, Little Rock, Ark.
Application August 27, 1942, Serial No. 456,397
9 Claims. (Cl. 108—1)

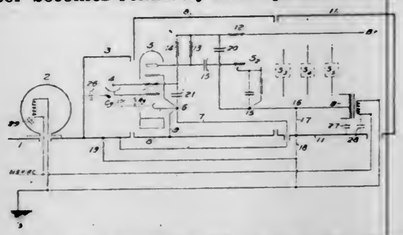


1. A self-supported roof for small houses comprising four columns spaced around a central area, a series of cantilever beams the inner end of each beam spanning the space between two columns and perpendicular to an adjacent beam, their outer ends projecting outwards to the four side wall lines of the house, and roof panels supported near their middles on the outer ends of said beams, respectively.

2,345,501
HIGH GAIN AMPLIFIER
Orrin Weston Pineo, Milo, Maine, assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application May 2, 1942, Serial No. 441,457
7 Claims. (Cl. 250—41.5)

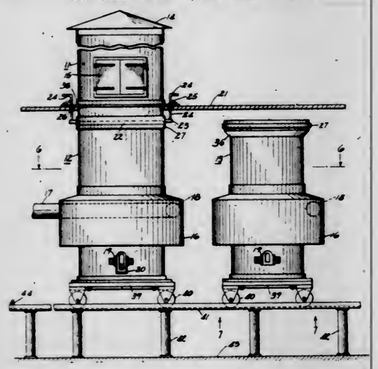
1. A high gain, multi-stage vacuum tube amplifier having a screen grid vacuum tube in the first stage fed by a transformer into electrical current of radiant energy of frequency higher than radio waves, comprising a transformer of said high frequency radiation into electric cur-

rent surrounded by a grounded electric frame, the output terminals of said transformer being connected directly to the control and screen grids of a screen grid vacuum tube of the first stage of the amplifier, the connection being in a direction such that increase in steady input of radiant energy to the transformer will result in impressing a voltage differential between the control grid and screen grid such that the latter becomes relatively more positive with re-



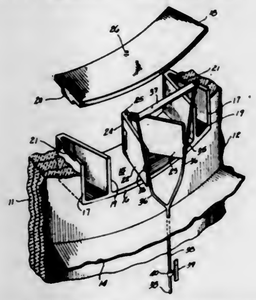
spect to the control grid, means for directly grounding the cathode of the said vacuum tube to the metallic frame surrounding the energy transformer through a low resistancy conductor, a source of high D. C. potential feeding the anode of the screen vacuum tube and a high resistance connecting said source of D. C. potential to the screen grid of the vacuum tube, said resistance constituting the only conducting path between the screen grid of the vacuum tube of other portions of the amplifier.

2,345,502
CUPOLA APPARATUS AND METHOD OF MELTING METAL
Herbert A. Reece, Cleveland Heights, Ohio
Application March 13, 1942, Serial No. 434,455
13 Claims. (Cl. 266—25)



1. In a foundry metal melting system, a unit comprising the combination of a plurality of cupola wells having different sized diameters for meeting different metal melting requirements of the foundry, a cupola stack having a diameter sufficient to provide an adequate outlet for hot gases from the larger diameter size of said wells, said cupola stack having an open bottom and being mounted at an elevated position to permit either of said wells to be positioned below the open bottom of said stack, there being a clearance space between the bottom of the stack and the top of said either well to permit sideward movement of the well relative to the stack, each of said wells having an open top adapted to register with the open bottom of said stack, a common support for said wells, said common support being disposed on one horizontal plane, carriage means connecting said wells and said support to permit movement of said wells along said horizontal plane for interchange of said wells relative to said stack, and movable closure means suspended downwardly from said stack for closing said clearance space upon registration of either of said wells with said stack and for opening said clearance space upon sideward movement of said either well relative to the stack the arrangement of the stack, the plurality of wells, the support and the carriage means providing for the ready assembly of a stack and well cupola structure of required metal melting capacity.

2,345,503
TUYÈRE
Herbert A. Reece, Cleveland Heights, Ohio
Application August 27, 1942, Serial No. 456,378
14 Claims. (Cl. 266—42)

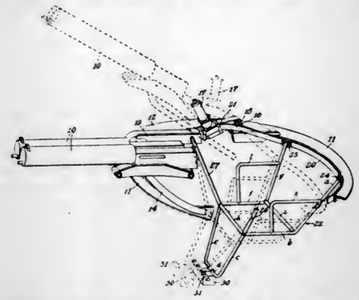


1. A tuyère box for a metallurgical furnace, said box having an opening therethrough for providing communication for an air blast from outside the furnace through the furnace wall to the interior of the furnace, said opening being defined by a top plate, a bottom plate and opposite end plates, said end plates being flared out toward the interior of the furnace to direct said air blast fan-wise into the furnace from said opening, a pair of movable plates disposed in said opening intermediate of said end plates, said movable plates being pivotally mounted at their edges adjacent the interior of the furnace and swingable toward and away from each other in the tuyère box to vary the size of said opening adjacent the outside of the furnace wall, and operating means for swinging said movable plates to desired angular positions in said opening, the said movable plates being adapted to be flared outwardly toward the interior of the furnace by the angular disposition thereof to divide the tuyère into two openings having flared ends and directing the air blast through said two openings fan-wise into the furnace.

2,345,504
MOUNTING FOR GUNS OR SIMILAR APPARATUS
Hubert Scott-Paine, Greenwich, Conn.
Application December 11, 1941, Serial No. 422,470
3 Claims. (Cl. 89—37.5)

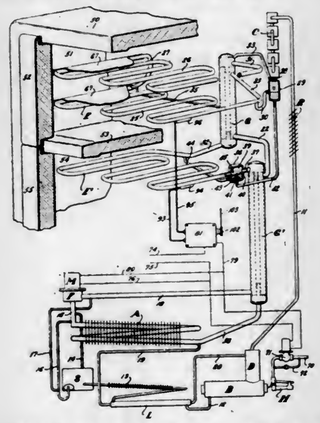
1. In a mounting for apparatus to be sighted by an operator, a horizontally rotatable framework having a central opening providing a cockpit, apparatus to be sighted which is directed outwardly from said cockpit, an elevating arch pivotally mounted directly on said framework at opposite sides of the cockpit for elevating and supporting said apparatus, said arch extending around the fore part of the cockpit, a back-bar

rigidly fixed to said arch and extending around the rear part of the cockpit, an operator's seat supported at its rear from said back-bar and at



its front from said framework, whereby the weight of the operator counterbalances the weight carried by said arch.

2,345,505
REFRIGERATION
Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application April 6, 1940, Serial No. 328,197
21 Claims. (Cl. 62—5)

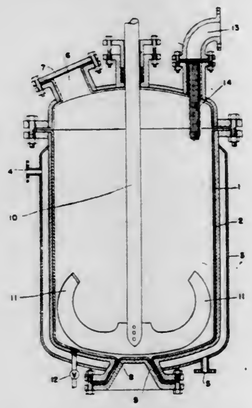


5. A refrigerating device comprising a cabinet construction including a storage compartment having high and low temperature chambers, and a mechanism compartment arranged for flow of cooling air therethrough, a cooling unit in each of said chambers, a generator and an air-cooled condenser in said mechanism compartment connected to receive refrigerant vapor from said generator, an air-cooled absorber in said mechanism compartment connected with said generator to form a solution circuit and also connected with said cooling units to form an inert gas circuit, said inert gas circuit being so arranged that the inert gas flows through the cooling unit in said low temperature chamber, then through the cooling unit in said high temperature chamber and then through said absorber, means for supplying liquid refrigerant from said condenser to the cooling unit in said low temperature chamber, means for diverting the liquid refrigerant produced in said condenser to said high temperature chamber cooling unit upon the occurrence of a predetermined condition, means for controlling the production of refrigerant vapor by said generator, means responsive to the refrigerating demand of said low temperature chamber for actuating said vapor production control means, and means responsive to a predetermined condition in said high temperature chamber for actuating said vapor production control means.

2,345,506
REGENERATION OF SPENT ALKYLATION ACIDS
Ober C. Slotterbeck, Rahway, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 10, 1940, Serial No. 352,131
3 Claims. (Cl. 23—172)

1. In the regeneration of spent alkylation acids, the steps which comprise diluting the spent alkylation sulfuric acid to an acid concentration of 40 to 60%, heating the dilute sulfuric acid to a temperature above the boiling point of water but below the boiling point of the diluted sulfuric acid, blowing with air and steam while maintaining such temperature to form flocculent carbon, separating flocculent carbon, and concentrating the dilute sulfuric acid to 85 to 100% sulfuric acid concentration.

2,345,507
PREPARATION OF CHLORINATED RUBBER
Earl D. Smith, Blacksburg, Va., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application February 8, 1941, Serial No. 378,100
2 Claims. (Cl. 260—772)

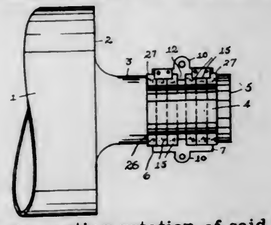


1. The improvement in the manufacture of chlorinated rubber which comprises drying water-wet precipitated chlorinated rubber in contact with surfaces consisting essentially of nickel, said nickel surfaces being maintained at a temperature between about 50° C. and about 130° C.

2,345,508
BEARING FOR PAPER DRIER CYLINDERS
John W. Smith, Carthage, N. Y.
Application July 30, 1942, Serial No. 452,966
1 Claim. (Cl. 308—240)

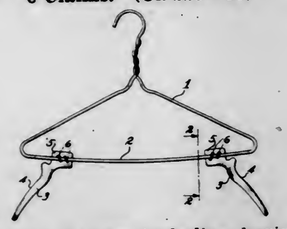
In a bearing for paper drier cylinders, a series of independent rings made of a composition of carbon and graphite, a supporting shell for said rings, an annular centrally disposed ridge on said

shell to prevent said rings from moving longitudinally, pins having flat surfaces attached to said



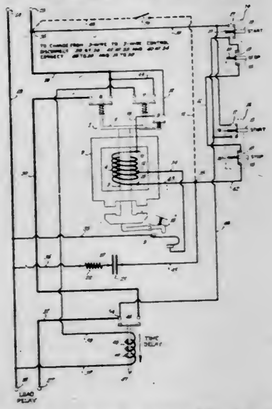
bearing for preventing rotation of said rings and certain of said rings extended beyond said bearing to form thrust bearings.

2,345,509
CLOTHES HANGER
Bertram J. Smyth, Oberlin, Ohio
Application December 19, 1941, Serial No. 423,614
8 Claims. (Cl. 223—88)



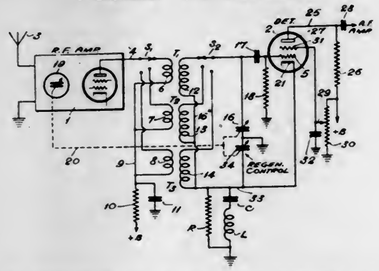
1. A clothes hanger including horizontal rod means and a pair of skirt supports adjustably mounted on said rod means, each of said supports having a flat head provided with struck-out, oppositely extending fingers on one side thereof to engage on opposite sides of the said rod means, and an outwardly and downwardly extending curved body portion connected to the head portion.

2,345,510
TIME DELAYED REDUCED VOLTAGE CONTROL CIRCUIT
Julian S. Taylor, Shorewood, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 10, 1941, Serial No. 418,499
9 Claims. (Cl. 175—375)



1. A control circuit operable by a source of alternating current electric power for connecting an electric load to said source of electric power to maintain such connection for a definite period of time upon the occurrence of a reduction of voltage of the source below a minimum value, comprising a time delayed voltage relay responsive when connected to the source of power to move to "on" position and upon occurrence of a predetermined low voltage time condition of the source returning from said "on" position to "off" position; a two-position relay having electro-responsive means to move said two-position relay to "on" position; a second electro-responsive means to move said two-position relay to "off" position; means independent of continuous energization of either of said electro-responsive means to hold said two-position relay in either "on" or "off" position; and control means operative to actuate the two-position relay and the timing relay to their "on" positions to jointly connect the load to the source; said control means, in operated position to actuate said two relays to their "on" positions, establishing a shunt circuit around said second electro-responsive means to prevent operation thereof; and movement of said two-position relay establishing connections effective to energize said second electro-responsive means whereby, upon interruption of said shunt circuit said second electro-responsive means is energized to return the two-position relay to "off" position.

2,345,511
REGENERATIVE DETECTOR CIRCUIT
Harry E. Thomas, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1942, Serial No. 470,547
7 Claims. (Cl. 250—20)



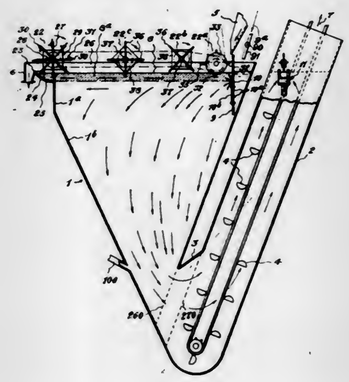
1. A regenerative detector comprising an electron discharge tube provided with at least a cathode, a signal control grid and an anode, an input circuit having its inductance connected between signal grid and cathode and its variable capacitor connected between the grid end of the inductance and ground, and a feedback network connected between the cathode end of the inductance and ground.

2,345,512
SLIDING CAR DOOR
George R. Treptow, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 14, 1940, Serial No. 356,765
16 Claims. (Cl. 20—26)



16. In a railway house car having a wall provided with a door opening, a vertically extending member on said wall adjacent to the rear of said opening and a sliding door mounted upon said wall, said member having a vertical flange extending at a rearwardly facing obtuse angle to said wall, said door having a vertical flange extending toward said wall and said flange of said member and terminating short thereof.

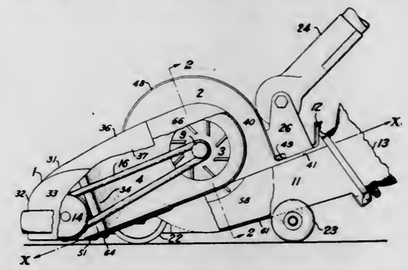
2,345,513
SEPARATION OF SOLID MATERIALS OF DIFFERENT SPECIFIC GRAVITIES
Fredrick Trostler, London, and Thomas Andrews, Barking, England, and William Richard Skelton, Brynford, North Wales
Application December 26, 1940, Serial No. 371,838
In Great Britain November 7, 1940
10 Claims. (Cl. 209—173)



1. A sink-and-float process of separating materials of different specific gravities by the use of a body of heavy suspension substantially stable medium in a separating vessel, comprising the steps of admitting medium to said body below the top thereof at a determined rate, feeding material to be separated on to the top of said body, removing medium and float material from the top of said body at a determined rate by pushing accurately measured amounts of medium from the upper portion thereof successively during determined time intervals, removing sink material from the bottom of said body, removing medium from the bottom of said body continuously at a rate equal to the admission rate less the sum of the top removal rate and the rate of removal of medium adhering to separated particles, and varying said top removal rate as required by operating conditions by varying the measured amounts pushed successively from the upper portion of said body and thereby correspondingly varying said bottom medium removal rate.

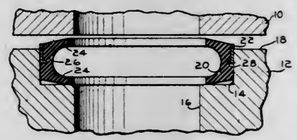
2,345,514
SUCTION CLEANER
Charles G. Troxler, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 23, 1941, Serial No. 389,904
1 Claim. (Cl. 15—16)

In a suction cleaner of the type having a suction nozzle, an adjacent motor casing and vertical fan chamber with their principal axes aligned and extended parallel to the nozzle, an air passageway between said nozzle and fan chamber, and an exhaust outlet which extends rearwardly from the underside of said fan chamber; an integral upper casing section which forms the front lip, front, top and side walls of said nozzle, the top and side walls of a portion of said air passageway, the side walls of the upper portion of said motor casing, the top and side walls of



the major portion of said fan chamber, and the top wall of said exhaust outlet in its rearward extension from the underside of said vertical fan chamber; and a removable curved closure plate seated upon one motor casing side wall and extended over said motor to form the top wall of said motor casing.

2,345,515
POWER TRANSMISSION
Ralph L. Tweedale, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 8, 1941, Serial No. 382,285
1 Claim. (Cl. 285—1)

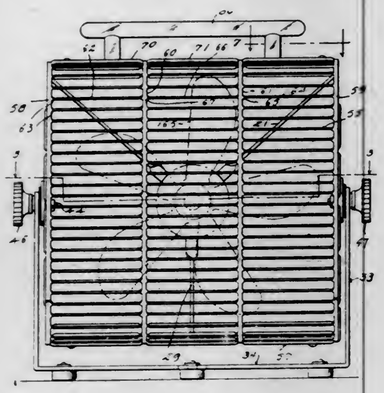


A sealing ring for sealing a circular crack between two members confining a fluid such as oil and providing an annular recess adjacent the crack to receive the ring, said ring comprising a body of synthetic rubber subject to growth when in contact with oil and having a shape corresponding to the shape of a portion of the recess and a size smaller than the recess by the maximum amount of growth to which the body is subject, a metal reinforcing ring having its outer diameter sized to fit the recess and its inner diameter larger than the body by the maximum amount of growth to which the ring is subject, and an inwardly turned projection on the reinforcing ring, said body having a recess to receive said projection and hold the reinforcing ring in position both before and after the growth is completed, said projection and recess being of sufficient depth to interlock before growth has occurred whereby separation of the parts before and during growth is prevented.

2,345,516
FAN GUARD
Max Weber, Chicago, Ill.
Application November 4, 1942, Serial No. 464,471
8 Claims. (Cl. 230—275)

1. A fan support and guard comprising in combination, a polygonal frame, a base for said frame,

said base comprising a pair of U-shaped members fixed together, said members having the bights



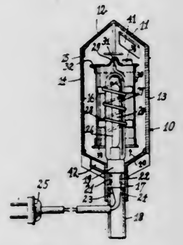
thereof parallel and spaced apart, the parallel legs of said members forming a V, and a pair of complementary guards secured to said frame.

2,345,517

ORNAMENT WITH LIGHT EFFECTS

Gerhart Weiss, New York, N. Y., assignor of one-half to Paula Karpfen, New York, N. Y.

Application July 8, 1941, Serial No. 401,411
3 Claims. (Cl. 240—10.1)



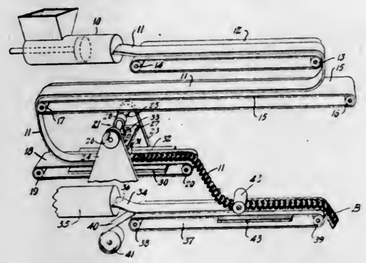
1. In an ornamental device with light effects for Christmas trees and the like, having a housing, a heat producing source of light in said housing, a rotatable member around said source of light having alternate opaque and transparent portions, and openings in the wall of said housing to create said light effects, said housing having wide vertically set front and rear walls, substantially identical in contour, closely set to one another, inwardly inclined circumferential walls around said front and rear walls to complete said housing, a tube downwardly extending through the bottom center of the housing, open at both ends, and communicating with the interior of the housing, said heat producing light source being in the form of an elongated electric bulb set into said tube and projecting into said housing near to its top, electrical connections for said bulb introduced through the wall of said tube means over said bulb responsive to its heat to rotate said member, the ornamental device being adapted to be secured on the tip of a Christmas tree, or the like, by pushing the lower part of said tube thereover, said light effect producing openings being in said wide front wall.

2,345,518

TIRE TREAD AND METHOD OF MAKING THE SAME

David Wendel, Johnstown, Pa., assignor to Webster Rubber Company, Warren, Ohio, a corporation of Ohio

Application January 24, 1941, Serial No. 375,752
3 Claims. (Cl. 154—14)



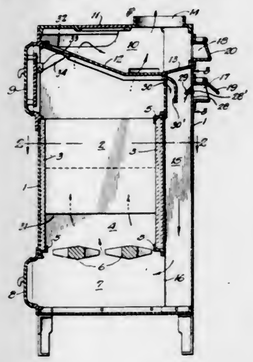
2. A method of preparing a tread band adapted for retreading tire carcasses and vulcanization in open heat, comprising extruding a strip of uncured rubber, punching a plurality of apertures completely through the mid-portion and slots through the lateral edge portions of said strip to form a non-skid pattern in said strip, and securing said strip to a backing strip of uncured rubber to close the bottoms of said apertures and said slots, support the first-mentioned strip and prevent distortion of the pattern formed therein.

2,345,519

DRAFT TUBE FOR STOVES AND FURNACES

Paul Wingert, Montpelier, Ohio

Application February 5, 1941, Serial No. 377,511
5 Claims. (Cl. 126—77)



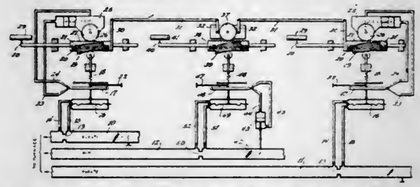
1. A stove of the character described comprising an elongated shell having a refractory lined combustion chamber therein, a partition in the upper end of the shell forming an upper compartment for receiving products of combustion thereinto and discharging same therefrom through a suitable opening in the shell, a lower fuel magazine compartment within the shell, a grate disposed within the lower compartment adjacent the bottom thereof, and an ash pit chamber below said grate, a draft tube defining a portion of one wall of said shell, said draft tube extending substantially throughout the length of the said wall of the shell which it defines and forming a closed passage way throughout a major portion of its length, a closure for said draft tube adjacent its upper end in substantially the same plane as the said partition whereby the upper end of the draft tube completes the enclosure for and is part of the said upper compartment, the said tube being open at its lower end and completing the enclosure for and in effect being part of the said ash pit chamber, means adjacent the upper end of said draft tube and below the said closure for admitting volatile gases from the lower compartment thereinto, and means substantially directly opposite said last named means for admitting outside air into the said tube whereby a co-mingling of the volatile gases and incoming outside air is effected and the same conducted downwardly in the said tube to its open end and discharged directly beneath the said grate.

2,345,520

FLOW PROPORTIONING APPARATUS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 9, 1941, Serial No. 401,666
11 Claims. (Cl. 137—164)



10. In apparatus of the class described for proportioning and controlling the supply of combustion air in accordance with a varying supply of fluid fuel, means connected to produce controlling impulses in response to varying rates of fuel flow; an impulse operated system, including a movable element, connected to produce movements of said element in response to changes in the rate of fuel flow which are directly proportional to predetermined amounts of air corresponding with different rates of fuel flow and theoretically necessary for complete combustion of the fuel at said flow rates; manually adjustable means, forming a part of said impulse system, to vary said proportional relation between the movements and fuel flow at different rates and constructed and arranged to take into account factors which are not proportional to the fuel at different rates of fuel flow, such as air entrained with the fuel; means for supplying air through a conduit to burn the fuel; control means for varying the supply of air through said conduit connected to be actuated by said movable element; and means, forming a part of said air control means, to alter the effect of the operation of said movable element, said altering means being constructed and arranged to produce any predetermined desired variation in the flow of air through said conduit, as effected by operation of the movable element, for each increment of its total movement.

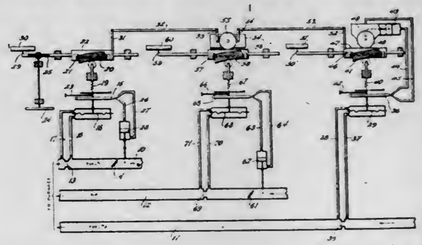
2,345,521

FLOW PROPORTIONING APPARATUS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 9, 1941, Serial No. 401,667
7 Claims. (Cl. 137—164)

1. Apparatus for proportioning the supply of combustion air to that of separate fuels having different heating values comprising, in combination, individual conduits for the air and fuels; a regulator connected to one of the fuel conduits to control the flow therein; a manually movable control member associated with and connected to set the regulator to maintain the fuel flow constant at a predetermined rate; said member being so constructed and arranged that its total movement from a zero position corresponding to zero fuel flow is proportional to a compensated quantity of air corresponding to the rate of flow of the fuel; a flow responsive device connected to a second fuel conduit through which the rate of flow varies and ar-



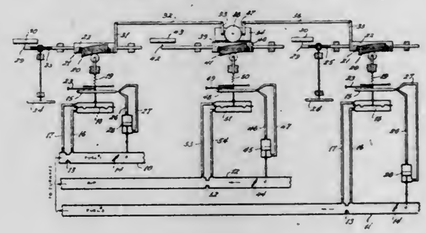
ranged to be operated by impulses derived from the flow of the second fuel; control means, including a member connected to the flow responsive device, to convert said impulses into control movements of said member from a zero position corresponding to zero flow of the second fuel, which movements are directly proportional to compensated quantities of air for the second fuel at its varying rates of flow; summarizing means connected to the manually movable member and the control means to summarize said movements; and a regulator controlled by said summarizing means and connected to said air conduit to vary the supply of air.

2,345,522

FLOW PROPORTIONING APPARATUS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1941, Serial No. 404,909
8 Claims. (Cl. 137—164)



1. Apparatus for proportioning the supply of combustion air to the supplies of at least two separate fuels comprising, in combination, a single conduit for the air and separate conduits for the respective fuels; adjustable regulators connected to the respective fuel conduits, each constructed and arranged to maintain a constant flow of fuel; manually movable proportioning means connected to set the respective fuel regulators to maintain the desired fuel flows and so constructed and arranged that the adjusted movements of each proportioning means from a zero position corresponding to zero fuel flow are proportional to compen-

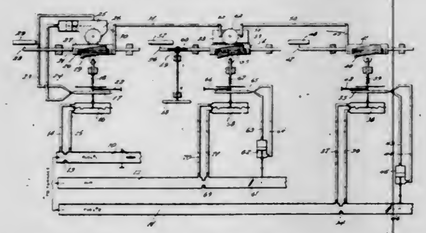
sated air requirements necessary to support complete combustion of the respective fuels; summarizing means operated by and responsive to the adjusted movements of the respective proportioning means; a regulator connected to the air conduit to control the flow of air therein; and actuating means for said air regulator connected to and set by said summarizing means.

2,345,523

FLOW PROPORTIONING APPARATUS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1941, Serial No. 404,910
8 Claims. (Cl. 137—164)



1. Apparatus for controlling and proportioning the supply of a primary fuel and at least one secondary fuel to the adjusted total controlled supply of air for a furnace, wherein the flow of primary fuel varies, comprising, in combination, individual conduits for the air and the respective fuels; manually settable control means connected to the air conduit constructed and arranged to maintain the adjusted supply of controlled air constant in accordance with the desired heat conditions in the furnace; movement proportioning means, including differential gearing, connected to be operated by the adjustments of the manually settable means; flow responsive means connected to the primary fuel conduit, including a servo-motor operable in response to changes in the rate of flow of the primary fuel; a member operable by the servomotor forming a part of the flow responsive means constructed and arranged to be moved from a zero position corresponding to zero flow of the fuel in proportion to the compensated air requirements necessary to support complete combustion of the primary fuel; means connecting said last named member to impart its movements to the differential gearing; and flow control means connected to the secondary fuel conduit having a member connected to be operated by the movements imparted through the differential gearing in response to variations in the flow of the primary fuel, said member being so constructed and arranged that its operation is such that it effects control of the secondary fuel to make up for deficiency in the primary fuel in the terms of the compensated air requirements of the secondary fuel.

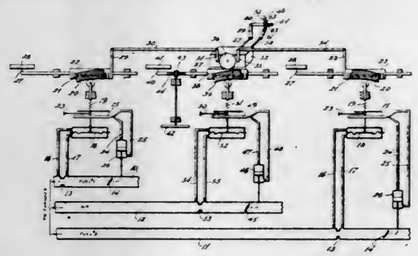
2,345,524

FLOW PROPORTIONING APPARATUS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1941, Serial No. 404,911
6 Claims. (Cl. 137—164)

1. Apparatus for controlling and proportioning the supply of at least two separate fuels to the adjusted total controlled supply of combustion air delivered to a furnace, comprising, in combination, individual conduits for the air and the respective fuels; a regulator connected to the air conduit constructed and arranged to control and maintain the adjusted total controlled supply of air constant and having manual setting means to provide a predetermined air flow representing the controlled air requirements of the furnace; a fuel proportioning device, including gearing connected to be operated and set by said manual setting means; flow controlling regulators connected to the respective fuel conduits constructed



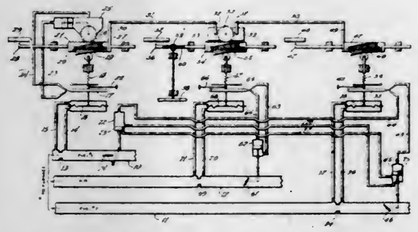
and arranged to maintain the flows of the fuels constant; movable control devices associated with said fuel regulators so constructed and arranged that their movements relative to a zero point corresponding to zero fuel flow and proportional to the compensated air requirements of the respective fuels to thereby call for predetermined rates of flow of the fuels; and operating elements connecting said movable control devices to said proportioning device, whereby manual adjusting movements of the setting means are imparted to each of said movable control devices and the fuel flows are proportioned in accordance with the adjusted total controlled air requirements of the furnace.

2,345,525

FLOW PROPORTIONING APPARATUS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1941, Serial No. 404,912
9 Claims. (Cl. 137—164)



1. Apparatus for controlling and proportioning the supply of a primary fuel and at least one secondary fuel to the adjusted total controlled supply of air for a furnace, wherein the flow of primary fuel varies, comprising, in combination, individual conduits for the air and the respective fuels; manually settable control means connected to the air conduit constructed and arranged to maintain the adjusted supply of controlled air constant in accordance with the desired heat conditions in the furnace; movement proportioning means, including differential gearing, connected to be operated by the adjust-

ments of the manually settable means; flow responsive means connected to the primary fuel conduit, including a servomotor operable in response to changes in the rate of flow of the primary fuel; a member operable by the servomotor forming a part of the flow responsive means constructed and arranged to be moved from a zero position corresponding to zero flow of the fuel in proportion to the compensated air requirements necessary to support complete combustion of the primary fuel; means connecting said last named member to impart its movements to the differential gearing; and flow control means connected to the secondary fuel conduit having a member connected to be operated by the movements imparted through the differential gearing in response to variations in the flow of the primary fuel, said member being so constructed and arranged that its operation is such that it effects control of the secondary fuel to make up for deficiency in the primary fuel in terms of compensated air requirements of the secondary fuel; and means associated with the secondary fuel control means and connected to the primary fuel conduit constructed and arranged to be operated only when the supply of primary fuel exceeds the demand and the secondary fuel is cut off by its control means, to reduce the rate of flow of the primary fuel.

2,345,526

FLOW PROPORTIONING APPARATUS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1941, Serial No. 404,913
10 Claims. (Cl. 137—164)

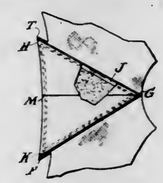
1. Apparatus for controlling and proportioning the supplies of at least two separate fuels relative to the controlled supply of combustion air comprising, in combination, conduits for the air and the fuels; automatic regulators connected to the respective fuel conduits constructed and arranged to control the fuel flows and each having a movable element connected to be displaced relative to a fixed point corresponding to zero fuel flow by amounts proportional to predetermined quantities of air necessary to support complete combustion of the respective fuels at their varying rates of flow; a regulator connected to the air conduit constructed and arranged to control the flow of air therethrough and also having a movable element adapted to be displaced relative to a fixed point by amounts proportional to total air flow through the conduit; summarizing means connected to be operated by the movable element of the air regulator; means also connecting the summarizing means to displace the movable elements of the fuel regulators in proportion to the displacement of the movable element of the air regulator and thereby proportion the total supply of the fuels in accordance with the total air supply; and means, including servo-motors and manually operable control valves associated with the respective fuel regulators constructed and arranged to convert said regulators into flow responsive means, said servomotors being connected to operate said movable elements of said fuel regulators, whereby controlling movements may be imparted through said summarizing means to the movable element of said air regulator and the total supply of air may be proportioned to the supplies of both fuels.

2,345,527

PADDED GARMENT CONSTRUCTION

Lucille Bayes, Basking Ridge, N. J., assignor to Aywon Dress Co. Inc., New York, N. Y.

Application June 22, 1943, Serial No. 491,848
6 Claims. (Cl. 2—268)



1. In a method for constructing shoulder padding for a garment, said method consisting in extending the armhole portions of said garment, a triangular piece having a base dimensionally equal in length to the extended armhole piece of said garment and having its apex reach the neck line point at the center of shoulder of garment, said triangular piece having two companion pieces, each of said companion pieces being equal in dimension to one half of said triangular piece, the said two half pieces being stitched at their outer sides and at their base to the relative outer sides of the companion triangular piece, the inner sides of said half pieces being free, forming thereby a casing with a center pocket for the inserting of and the removing therefrom a conformingly fitted padded pillow, the base of said triangular casing being stitched to the extended edge of said armhole piece of the garment, the apex of said casing being secured to the neckline point of the garment aforesaid.

2,345,528

ALKYD RESIN AND METHOD OF PREPARING THE SAME

Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 15, 1941, Serial No. 388,647
2 Claims. (Cl. 260—22)

1. An air drying alkyd resin of low acid number consisting essentially of the reaction product of diphentaerythritol, a polycarboxylic acid and unsaturated oil fatty acids.

2,345,529

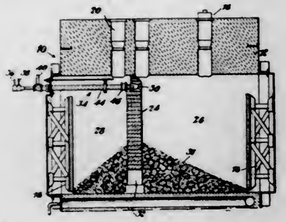
OIL GAS GENERATOR

Morris M. Brandegee, Plainfield, N. J., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine

Application September 14, 1939, Serial No. 294,803
2 Claims. (Cl. 48—95)

1. An apparatus for producing oil gas comprising an externally heated retort, a partition divid-

ing said retort into two separate chambers, said partition having an opening therethrough providing free communication between said chambers, a liquid fuel injector having its nozzle adjacent said opening, said opening and said injector being constructed and arranged so that gases in one of said chambers are ejected there-



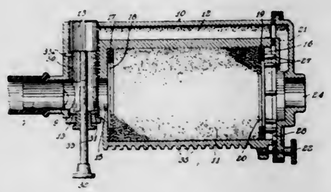
from into the other of said chambers into which the liquid fuel is injected, said partition having an opening in the lower portion thereof for repassage of the gas into said first named chamber so located that said opening can be covered and obstructed by loosely piled refractory or coke, and means for withdrawing gas for use from said first named chamber.

2,345,530

BREATHING SYSTEM CANISTER ARRANGEMENT

Karl Connell, Branch, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application January 22, 1941, Serial No. 375,402
7 Claims. (Cl. 183—40)



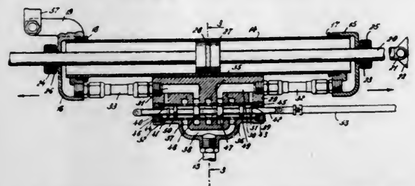
1. A by-passed canister arrangement for breathing systems comprising a unitary element providing a container portion having an open end and an opening in its opposite end, said unitary element providing also a channel paralleling said container portion and having a common wall therewith and a channel connecting said opening and the first mentioned channel with an exterior port, a sleeve valve mounted in the second mentioned channel and movable along said channel between a position wherein it permits communication between said port and said opening but prevents communication between said port and the first mentioned channel and a position wherein it permits communication between said port and said first mentioned channel but prevents communication between said port and said opening, said valve being also movable to a position wherein it is adapted to permit proportioned flows from said port to said opening and to said first mentioned channel, and removable cover means providing communication therethrough with the exterior thereof from the open end of said container and from said first mentioned channel.

2,345,531

HYDRAULIC ACTUATING MECHANISM

Carl de Ganahl, Trenton, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation

Application June 18, 1942, Serial No. 447,502
4 Claims. (Cl. 121—41)



1. A fluid pressure actuated power mechanism comprising a cylinder, a cylinder head closing each end of the cylinder, a piston rod extending through the cylinder and the cylinder heads at each end thereof, a piston on the piston rod within the cylinder, said cylinder being movable axially along the piston rod and the piston, means connecting the cylinder with a member to be actuated, a valve casing movable with the cylinder, a fluid inlet to said valve casing, a fluid discharge from the valve casing, fluid passages from opposite sides of the fluid inlet to the respective cylinder heads, a valve sleeve within the valve casing having ports communicating with the fluid inlet, with the passages to the cylinder heads and with the fluid discharge from the valve casing, the ports communicating with the fluid discharge being at the sides of the ports communicating with the passages to the cylinder heads opposite the port communicating with the fluid inlet, a valve rod reciprocable within the valve sleeve, means for reciprocating the valve rod, the valve rod having piston flanges thereon to control the flow of the fluid from the fluid inlet to the respective passages communicating with the cylinder heads and from those passages to the fluid discharge, so that the fluid may be introduced into the cylinder at either side of the piston to cause the cylinder to move relative thereto, a piston flange on the valve rod outwardly beyond each port in the valve sleeve communicating with the fluid discharge, passages connecting the respective spaces outwardly behind the last-mentioned piston flanges with the passages leading to the cylinder heads, whereby a proportional part of the resistance to movement of the cylinder is transmitted to the valve rod, and means on the valve rod, within the valve casing and outwardly beyond the last-mentioned piston flanges to engage the valve casing and to actuate it and the cylinder independently of the flow of fluid.

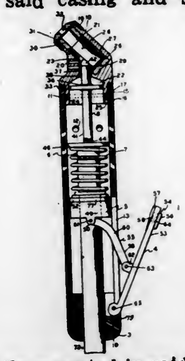
2,345,532

ELECTRIC WELDING HANDLE

Paul Eriksen, Lansdowne, Pa., assignor of seventy-five per cent to Samuel Albert, Philadelphia, Pa.

Application April 13, 1942, Serial No. 438,767
15 Claims. (Cl. 219—8)

2. An electrode holder comprising a casing having an electrode receiving chamber formed therein; an electrode clamping bar mounted in said casing for longitudinal movement within said casing to and from an electrode clamping position and for rotative movement within said casing; coupling means mounted for longitudinal and rotative movement within said casing and attached to said electrode clamping bar for coupling said clamping bar with the main cable; means for actuating said coupling means mounted within said casing for longitudinal movement relatively to said casing and said cable; and



means pivotally mounted in said casing and connected to said coupling actuating means for moving said coupling actuating means to a predetermined position.

2,345,533

PROCESS FOR INCORPORATING FINELY DIVIDED MATERIALS IN MOLTEN COMPOSITIONS

George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 11, 1941, Serial No. 374,082
7 Claims. (Cl. 18—55)

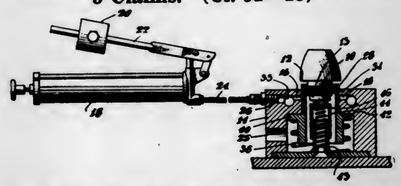
1. The process of incorporating a finely divided solid pigment in a molten synthetic linear polyamide comprising the reaction product of a linear polymer-forming composition which contains in substantial amount reacting material selected from at least one of the groups consisting of (*a*) monoaminomonocarboxylic acids, and (*b*) mixtures of diamine with dibasic carboxylic acid, which comprises, coating solid particles of said polyamide with a finely divided solid pigment that is insoluble in and incompatible with said polyamide, said particles having a surface area between 0.02 sq. in. and 1.00 sq. in. and a thickness of between 0.05 in. and 0.20 in., completely melting said coated particles into the form of a molten body of liquid, and moving said body of liquid through a structure forming device whereby said finely divided solid pigment will be uniformly and homogeneously incorporated throughout said polyamide.

2,345,534

LUTING MACHINE

Forrest D. Grim, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York

Application April 8, 1942, Serial No. 438,212
5 Claims. (Cl. 91—18)



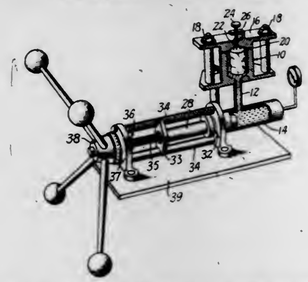
1. A luting apparatus for applying a composition of flowable consistency to the part of a member to be luted, the apparatus comprising a rigid block provided with a space that communicates an exterior surface of the block and serves to receive a sleeve and provided with a channel communicating with the said space, a rigid sleeve slidably fitted within the said space and provided with a port extending through the wall of the sleeve and serving as the sleeve is moved within the said space to register with the said channel, a spring support for the said sleeve normally holding the sleeve at such a position that the port is out of register with the channel, means for supporting within the said sleeve the part of the member to be luted, and a pump for supplying the luting composition under pressure to the said channel and maintaining the pressure upon the composition in the channel, so that, when the said port and channel are placed in registration, the luting composition passes through the channel and port and against the said member and, when pressure on the sleeve is released, the said spring returns the sleeve to the position in which the port and channel are out of register and the flow of the luting composition is discontinued.

2,345,535

METHOD OF DETERMINING POROSITY

William L. Horner, Houston, Tex., assignor to Core Laboratories, Inc., Dallas, Tex., a corporation of Delaware

Original application January 3, 1938, Serial No. 183,018. Divided and this application July 6, 1942, Serial No. 449,969
4 Claims. (Cl. 73—51)



3. The method of determining the porosity of a core sample comprising the steps of dividing the sample into two parts, weighing each of the parts, measuring the free gas content of the pores of one of said parts without extracting the liquid content therefrom, measuring the volume of said part to obtain the pore space occupied by free gas per unit volume of core sample, distilling off the extractable liquid from said second part, condensing and measuring the same, determining the volume of said second part by dividing its weight by its density obtained from the volume and weight measurements on the first part to obtain the pore space occupied by liquid per unit volume of core sample, and adding the free gas and extractable liquid measurements to obtain the pore space per unit volume of core sample.

2,345,536

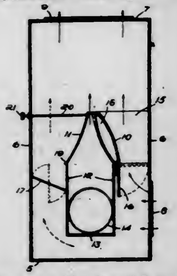
HEAT EXCHANGE UNIT

Charles R. Keep, Norwood, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application May 16, 1942, Serial No. 443,203
4 Claims. (Cl. 257—137)

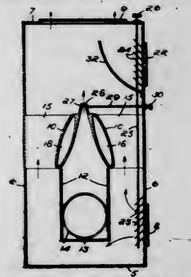
1. A heat exchange unit having a primary air inlet, a recirculated air inlet and a discharge out-

let for the mixed primary and recirculated air, an elongated heat exchange tube forming one wall of an ejector nozzle for inducing the flow of air through said recirculated air inlet, said tube having an internal opening for the passage of a heat exchange medium, a member arranged alongside said surface and spaced therefrom and



forming the other wall of said nozzle, said member being pivoted at its end opposite the tip of the nozzle for varying the spacing between the nozzle tips and thus varying the induction effect, and means forming a passage conducting air from said primary air inlet into said nozzle and forming walls isolating air from said recirculated air inlet from the air from said primary air inlet.

2,345,537
HEAT EXCHANGE UNIT
Charles R. Keep, Norwood, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Original application May 16, 1942, Serial No. 443,203. Divided and this application January 1, 1943, Serial No. 471,048
3 Claims. (Cl. 257—137)



1. A substantially rectangular heat exchange unit having substantially vertically extending walls, a discharge outlet in its upper wall, a recirculated air inlet in the lower portion of one of said vertically extending walls, and a primary air inlet, comprising a pair of elongated heat exchange tubes arranged to form between adjacent external surfaces, an upwardly extending ejector nozzle, said tubes having internal openings for the passage of a heat exchange fluid and having extended surface fins extending from one tube to said one of said walls and extending from the other tube to the wall of said unit opposite said wall, means forming a passage conducting air from said primary air inlet into said nozzle and forming walls isolating the air from said primary inlet from the air from said recirculated air inlet, means forming another recirculated air inlet in said one wall between said nozzle and said outlet, dampers in said recirculated air inlets, and means at the upper ends of said tubes for varying the induction effect of said nozzle for varying the volume of air drawn in through said recirculated air inlets.

2,345,538
YARN WINDING
Everett Vernon Lewis, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 17, 1942, Serial No. 447,462
5 Claims. (Cl. 242—42)

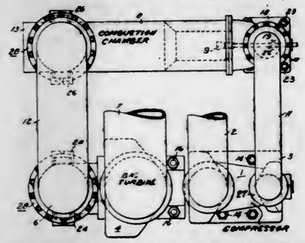


1. A yarn winding apparatus for simultaneously winding a plurality of yarns on a rotating yarn support, a yarn guide comprising two spaced yarn guiding elements, means for traversing said yarn guide back and forth adjacent said yarn support, means for simultaneously forwarding said plurality of yarns to the space between said two yarn guiding elements, and yarn diverging means positioned between said yarn guide and said yarn forwarding means.

2,345,539
SULPHO AMIDES OF CIS-ENDOMETHYLENE 3,6-Δ^4-TETRAHYDRO PHTHALIC ACID
Paul P. McClellan, Old Greenwich, and Jack C. Bacon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 20, 1943, Serial No. 479,920
6 Claims. (Cl. 260—503)

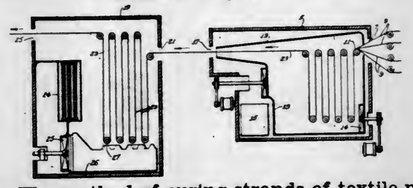
1. An amide of sulphonated cis-endomethylene-3,6-Δ^4-tetrahydrophthalic acid.

2,345,540
TURBINE SYSTEM
James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 14, 1943, Serial No. 472,311
9 Claims. (Cl. 60—41)



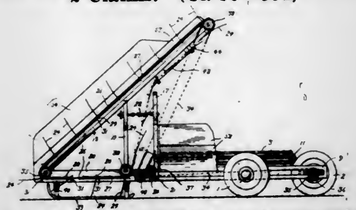
1. In combination, an elastic fluid turbine, a motive fluid generating means, means including a pivot support mounting said generating means for movement both longitudinally and angularly relative to said support, and motive fluid conveying conduit means connecting said turbine with said generating means, said conduit means including portions rendering same angularly movable relative to said turbine and relative to said generating means.

2,345,541
POLYMERIZATION OF SYNTHETIC RESIN IMPREGNATED FABRICS
William Frederick Scholze, Jr., New Milford, Conn., assignor to The Robertson Bleachery & Dye Works, Incorporated, New Milford, Conn., a corporation of Connecticut
Application August 22, 1941, Serial No. 407,878
4 Claims. (Cl. 34—31)



4. The method of curing strands of textile material, each of which is of the same weight and impregnated with the same quantity of urea-formaldehyde products in solution, comprising subjecting a plurality of superimposed impregnated strands to a solvent removing step at temperatures of the order of 160° F. to 200° F., then juxtaposing the strands so that the respective surfaces are touching, thereafter preheating the strands at a temperature of the order of 330° F., and above the normal polymerizing temperature of the strands, and then heating to a lower temperature of substantially 310° F. and for the time period required to cure a single one of the strands.

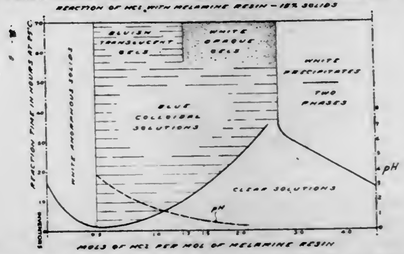
2,345,542
HARVESTING MACHINE
Selden G. Washburn, Goodwin, S. Dak.
Application May 22, 1941, Serial No. 394,587
2 Claims. (Cl. 56—354)



1. In a raking, pitching and conveying unit of the class described for attachment to a propelling vehicle, a major normally flat conveyor belt carrying chassis portion, a minor substantially triangularly shaped frame structure, means adjacent the lowermost rear corners of said structure for pivotal attachment to said major chassis portion, an endless conveyor belt carried by said structure having installed therein spaced tine carrying shafts, ground engaging means carried by the lowermost horizontal portion of said structure, and belt guiding means above said ground engaging means for retaining a plurality of said shafts in horizontally spaced relation whereby to augment the raking properties of said tines.

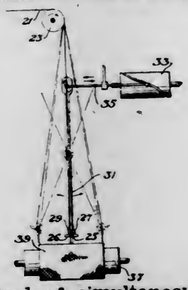
2,345,543
CATIONIC MELAMINE-FORMALDEHYDE RESIN SOLUTION
Henry P. Wohnsiedler, Darien, and Walter M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application July 31, 1942, Serial No. 453,120
3 Claims. (Cl. 260—72)

1. A colloidal aqueous solution of a partially polymerized, positively charged melamine-formaldehyde condensation product having a glass electrode pH value within the range of about 0.5 to about 3.5 when measured at 15 percent solids, said condensation product containing about 2–2.5 moles of combined formaldehyde for each mole of melamine and having a degree of polymeriza-



tion less than that which characterizes gels and precipitates which are undespersible by agitation with water but sufficient to bring the particles thereof within the colloidal range, said condensation product having a definite positive electrical charge as shown by its migration toward the cathode upon electrophoresis of the solution.

2,345,544
YARN WINDING
Hood Worthington, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 17, 1942, Serial No. 447,481
10 Claims. (Cl. 242—42)

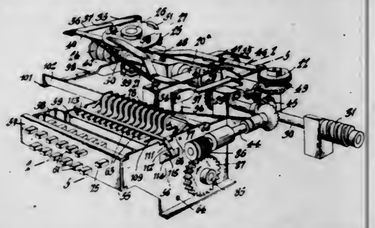


1. The method of simultaneously winding a plurality of yarns on to a yarn support which comprises traversing said yarns back and forth while winding the same on to said yarn support, maintaining said yarns spaced from each other on the central portion of said support and substantially contiguous with each other adjacent to the ends of said support, the relative position of said yarns to each other being the same in both directions of traverse.

2,345,545
SELECTOR MECHANISM FOR AUTOMATIC PHONOGRAPHS
Theodore M. Wright, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application February 18, 1941, Serial No. 379,434
16 Claims. (Cl. 192—139)

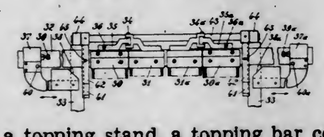
1. A selector mechanism of the character described, comprising a part shiftable from a normally non-selective to a selective-governing position, a plurality of manually shiftable selector elements including portions movable thereby to pre-set positions in operative relation to said shiftable part and companion co-parallel portions

for latching the first-named portions in such pre-set positions, and means operatively engageable with said pre-set positioned selector portions



for selectively projecting them in a direction to actuate said shiftable part to a selective-governing position and their companion portions to an unlatching position.

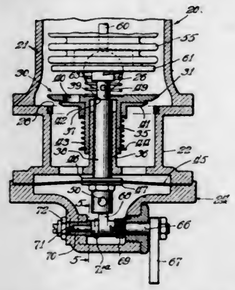
2,345,546
TOPPING STAND
Arnold Friedrich Verbeek, Wuestenbrand, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation
Application September 8, 1936, Serial No. 99,830
In Germany September 13, 1935
17 Claims. (Cl. 66—148)



1. In a topping stand, a topping bar comprising two topping point sections, each having a series of topping points, pivotal supporting means for said sections constructed and arranged to permit relative swinging movements of said sections from a straight line to a parallel position, a transfer bar having transfer points and supporting means for the same, loop transfer means comprising a comb movable to force fabric held on the topping points onto the points of the transfer bar, and cutting means mounted for operative movement between said topping point sections when in paralleling position to sever fabric topped onto both of said sections.

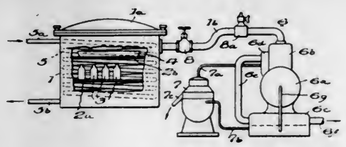
2,345,547
TANK VALVE ASSEMBLY
Jay M. Roth, Euclid, and Edmund F. Wichorek, Cleveland, Ohio, assignors to Pesco Products Co., Cleveland, Ohio, a corporation of Ohio
Application February 9, 1942, Serial No. 429,982
8 Claims. (Cl. 137—144)

1. In a vent valve arrangement for an aircraft fuel tank, means defining a housing having a first port for communication with the interior of said fuel tank, a second port for communication with the surrounding atmosphere, and a valve seat in said housing facing in the general direction of said second port, means defining a valve assembly including a valve for cooperation with said seat for controlling the communication between said ports, and means responsive to changes in atmospheric pressure accompanying predetermined changes in altitude effective to move said last named valve means to opened or closed position, said means including a resilient connection, whereby excess pressure within said tank may be effective to open said valve to place said tank in communication with the atmos-



phere through said second port upon the occurrence of excess pressure therein notwithstanding the fact that said atmospheric pressure responsive means has moved said valve into closed position.

2,345,548
METHOD AND APPARATUS FOR DESICCATING SERA, BIOLOGICALS, AND OTHER MATERIALS
Earl W. Flosdorf, Upper Darby, and Francis J. Stokes, Philadelphia, Pa., assignors to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 24, 1940, Serial No. 337,094
5 Claims. (Cl. 34—5)



1. The process of desiccating biological materials, such as viruses, to increase the potency and stability thereof, which comprises freezing a solution of the virus to a solid mass, subjecting the frozen mass to vacuum in a sealed space to cause evaporation of the frozen liquid therefrom, maintaining the mass at a temperature below 0° C. by external cooling until the residual moisture content is of the order of 2% to 8%, then allowing the mass to rise to a temperature of the order of 20° C. while maintaining the mass under vacuum.

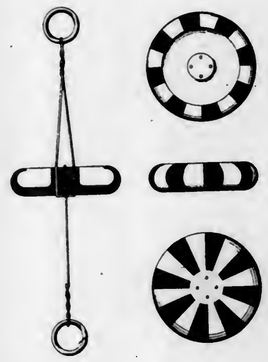
2,345,549
PROCESS FOR MAKING LASTING RECORDS
Peter S. Christaldi, Upper Montclair, Albert Steadman, Nutley, and David T. Wilber, Clifton, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
No Drawing. Application October 16, 1943, Serial No. 506,598
4 Claims. (Cl. 95—5)

1. The process of making a lasting record, which comprises exposing an emulsion of zinc cadmium sulphide and manganese in the presence of moisture to ultraviolet light.

DESIGNS

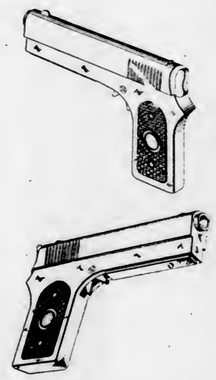
MARCH 28, 1944

137,521
DESIGN FOR A WHIRLING BOWL TOY
Clinton J. Davidson, San Diego, Calif.
Application January 10, 1944, Serial No. 112,202
Term of patent 14 years
(Cl. D34—15)



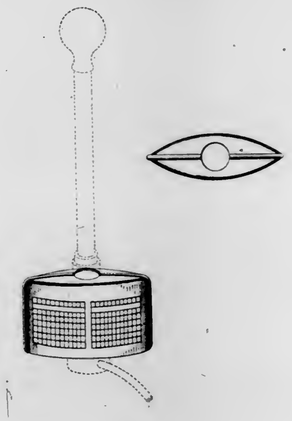
The ornamental design for a whirling bowl toy, substantially as shown.

137,522
DESIGN FOR A TOY PISTOL
Herbert U. Dernehl, Milwaukee, Wis.
Application January 20, 1944, Serial No. 112,279
Term of patent 7 years
(Cl. D34—15)



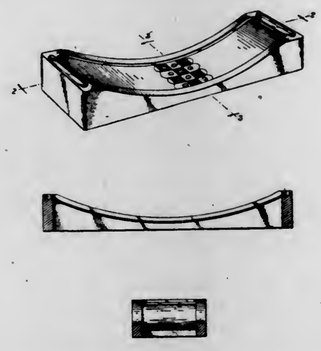
The ornamental design for a toy pistol, as shown.

137,523
DESIGN FOR A HYDROMETER OR THE LIKE
Leo Edelmann, Chicago, Ill.
Application January 12, 1944, Serial No. 112,216
Term of patent 14 years
(Cl. D52—7)



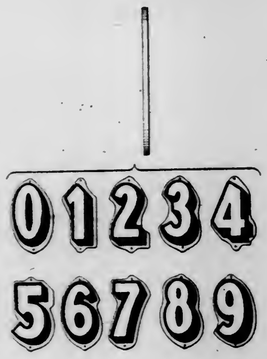
The ornamental design for a hydrometer or the like, substantially as shown and described.

137,524
DESIGN FOR A GAME BOARD
David B. Fogelson, Brooklyn, N. Y.
Application January 31, 1944, Serial No. 112,385
Term of patent 7 years
(Cl. D34—5)



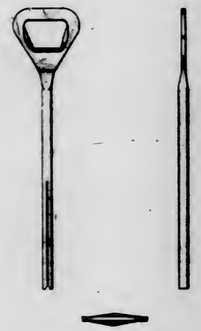
The ornamental design for a game board, substantially as shown.

137,525
DESIGN FOR A SET OF NUMERALS OR SIMILAR ARTICLES
Herman Kursh and Sam M. Harris, Cleveland, Ohio
Application April 24, 1943, Serial No. 110,032
Term of patent 14 years
(Cl. D64—12)



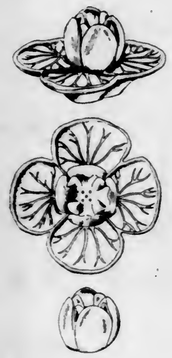
The ornamental design for a set of numerals or similar articles, as shown.

137,526
DESIGN FOR A COMBINED CAN AND BOTTLE OPENER
Jacob Rashi, Zanesville, Ohio
Application January 19, 1944, Serial No. 112,269
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a combined can and bottle opener, as shown.

137,527
DESIGN FOR A COMBINED SALT AND PEPPER SHAKER
Howard L. Ross, New York, N. Y.
Application November 12, 1943, Serial No. 111,671
Term of patent 7 years
(Cl. D44—22)



The ornamental design for a combined salt and pepper shaker, substantially as shown and described.

137,528
DESIGN FOR A CLOCK CASE OR THE LIKE
Anne Swainson, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application September 11, 1942, Serial No. 108,184
Term of patent 3½ years
(Cl. D42—7)



The ornamental design for a clockcase or the like, substantially as shown and described.

137,529
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application February 9, 1944, Serial No. 112,528
Term of patent 7 years
(Cl. D92—4)



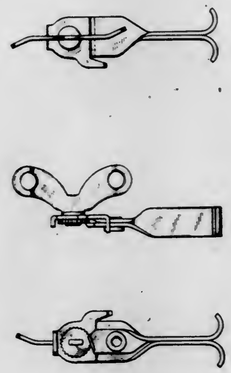
The ornamental design for a carpet or similar article, substantially as shown, and described.

137,530
DESIGN FOR A CALENDAR
Ernest L. Warner, Los Angeles, Calif.
Application December 14, 1943, Serial No. 112,004
Term of patent 3½ years
(Cl. D74—5)



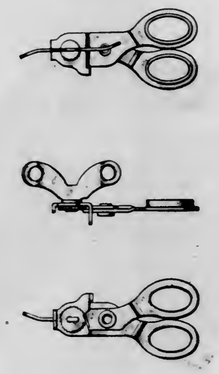
The ornamental design for a calendar, substantially as shown.

137,531
DESIGN FOR A CAN OPENER
Myron J. Zimmer, Wood Dale, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 21, 1944, Serial No. 112,286
Term of patent 14 years
(Cl. D22—2)



The ornamental design for a can opener, as shown.

137,532
DESIGN FOR A CAN OPENER
Myron J. Zimmer, Wood Dale, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 21, 1944, Serial No. 112,287
Term of patent 14 years
(Cl. D22—2)



The ornamental design for a can opener, as shown.

137,533
DESIGN FOR A FRAME FOR PICTURES, MIRRORS, AND THE LIKE
Doris M. Blanchette, Chicago Heights, Ill., assignor to Bradley Manufacturing Co., Chicago, Ill., a partnership composed of David Borowitz and Anne Borowitz, both of Chicago, Ill.
Application April 15, 1943, Serial No. 109,973
Term of patent 3½ years
(Cl. D29—20)



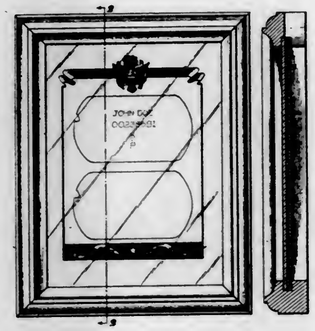
The ornamental design for a frame for pictures, mirrors, and the like, substantially as shown.

137,534
DESIGN FOR A BIRD FIGURE
James F. Buffenbarger, Middletown, Ohio, assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application June 25, 1943, Serial No. 110,523
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a bird figure, substantially as shown.

137,535
DESIGN FOR AN IDENTIFICATION TAG DISPLAY UNIT
Peter H. Cohn, Boise, Idaho
Application January 26, 1944, Serial No. 112,336
Term of patent 3½ years
(Cl. D29—23)



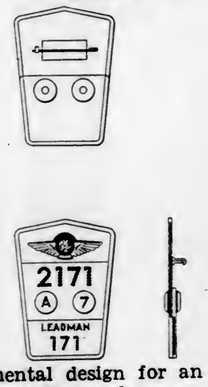
The ornamental design for an identification tag display unit, as shown.

137,536
DESIGN FOR AN IDENTIFICATION BADGE
John A. Graves and Charles S. Bosworth, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application July 10, 1943, Serial No. 110,651
Term of patent 7 years
(Cl. D29—2)



The ornamental design for an identification badge, substantially as shown.

137,537
DESIGN FOR AN IDENTIFICATION BADGE
John A. Graves and Charles S. Bosworth, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application July 10, 1943, Serial No. 110,652
Term of patent 7 years
(Cl. D29—2)



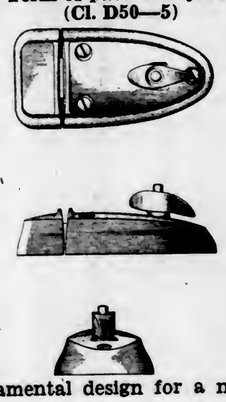
The ornamental design for an identification badge, substantially as shown.

137,538
DESIGN FOR A TOY MACHINE GUN
Edmund L. Jahnke, Minneapolis, Minn.
Application September 6, 1943, Serial No. 111,070
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy machine gun. as shown.

137,539
DESIGN FOR A NIGHT LATCH
Charles Ledin, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application January 26, 1944, Serial No. 112,338
Term of patent 14 years
(Cl. D50—5)



The ornamental design for a night latch, as shown.

137,540
DESIGN FOR A HAT
John C. Marks, New York, N. Y.
Application February 18, 1944, Serial No. 112,624
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown.

137,541
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,554
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,542
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,555
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,543
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,557
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,544
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,558
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,545
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,562
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,546
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,564
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,547
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,565
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,548
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,566
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,549
DESIGN FOR A CONTAINER FOR COSMETICS OR SIMILAR ARTICLES
Jon Stengren, Forest Hills, N. Y., assignor to Milkmaid Inc., New York, N. Y., a corporation of New Jersey
Application July 21, 1943, Serial No. 110,725
Term of patent 3½ years
(Cl. D58—11)



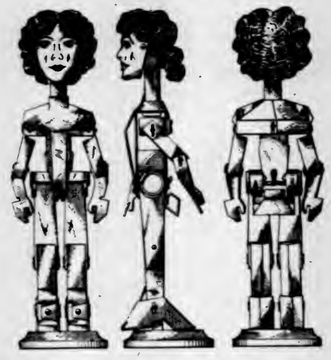
The ornamental design for a container for cosmetics or similar articles, as shown.

137,550
DESIGN FOR AN APPLIQUE OR THE LIKE
Hans Tobler, Teaneck Township, Bergen County, N. J.
Application October 24, 1942, Serial No. 108,643
Term of patent 3½ years
(Cl. D3—9)



The ornamental design for an applique or the like, as shown.

137,551
DESIGN FOR A CARDBOARD DOLL
Flora B. Baker, Grants Pass, Oreg.
Application January 15, 1944, Serial No. 112,248
Term of patent 7 years
(Cl. D34—4)



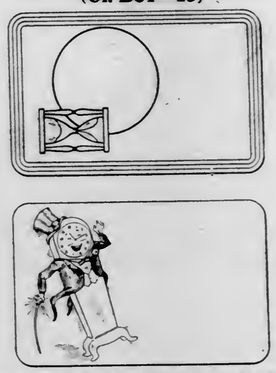
The ornamental design for a cardboard doll, as shown.

137,552
DESIGN FOR AN UNDERGARMENT OR THE LIKE FOR WOMEN
Enid Bissett, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application November 25, 1943, Serial No. 111,791
Term of patent 14 years
(Cl. D3—17)



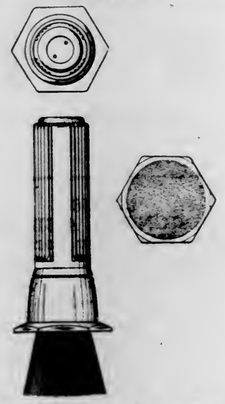
The ornamental design for an undergarment or the like for women, as shown.

137,553
DESIGN FOR A PLAYING CARD
John E. Burbey, Kansas City, Mo.
Application January 22, 1944, Serial No. 112,296
Term of patent 14 years
(Cl. D34—13)



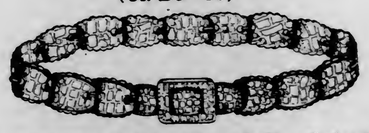
The ornamental design for a playing card, as shown.

137,554
DESIGN FOR A FOUNTAIN STENCIL BRUSH
Otto J. Herb, St. Louis, Mo., assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo., a corporation of Missouri
Application December 18, 1943, Serial No. 112,030
Term of patent 14 years
(Cl. D9—2)



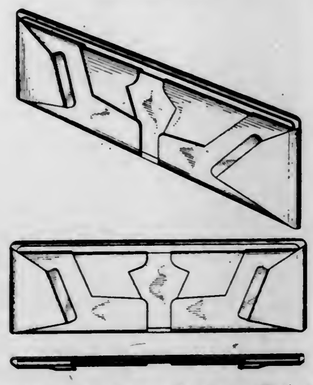
The ornamental design for a fountain stencil brush, as shown.

137,555
DESIGN FOR A BELT
Basil Darrell Huff, New York, N. Y.
Application January 19, 1944, Serial No. 112,276
Term of patent 3½ years
(Cl. D3—10)



The ornamental design for a belt, substantially as shown and described.

137,556
DESIGN FOR A WALLET
Charles Meyers, New York, N. Y.
Application January 31, 1944, Serial No. 112,384
Term of patent 14 years
(Cl. D87—3)



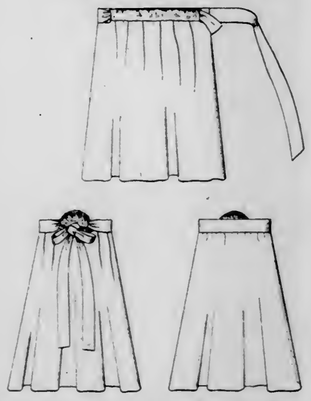
The ornamental design for a wallet, as shown and described.

137,557
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,556
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,558
DESIGN FOR A SKIRT
Helene Pons, New York, N. Y.
Application July 10, 1943, Serial No. 110,650
Term of patent 3½ years
(Cl. D3—26)



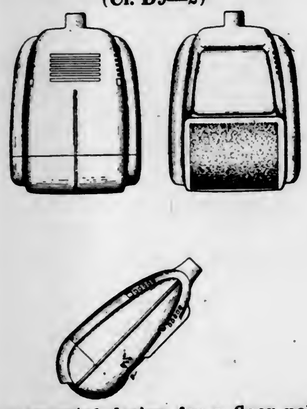
The ornamental design for a skirt, substantially as shown.

137,559
DESIGN FOR A DRESS
Julia Smith, New York, N. Y.
Application February 22, 1944, Serial No. 112,665
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,560
DESIGN FOR A FLOOR POLISHER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Dumare Company, a corporation of Wisconsin
Application January 17, 1944, Serial No. 112,252
Term of patent 14 years
(Cl. D9—2)



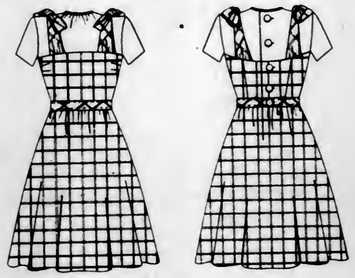
The ornamental design for a floor polisher, as shown.

137,561
DESIGN FOR A BLOUSE
Joset Walker, New York, N. Y.
Application February 22, 1944, Serial No. 112,666
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse, substantially as shown.

137,562
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application February 24, 1944, Serial No. 112,693
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,563
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application February 24, 1944, Serial No. 112,694
Term of patent 3½ years
(Cl. D3—26)



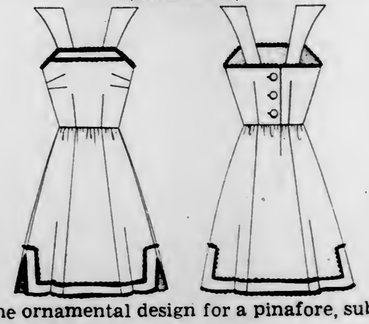
The ornamental design for a dress, substantially as shown.

137,564
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application February 24, 1944, Serial No. 112,695
Term of patent 3½ years
(Cl. D3—26)



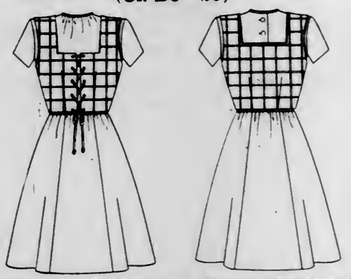
The ornamental design for a dress, substantially as shown.

137,565
DESIGN FOR A PINAFORE
Emily Wilkens, New York, N. Y.
Application February 24, 1944, Serial No. 112,696
Term of patent 3½ years
(Cl. D3—26)



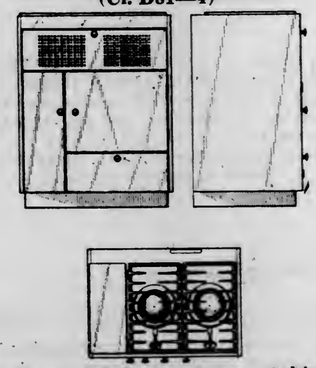
The ornamental design for a pinafore, substantially as shown.

137,566
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application February 24, 1944, Serial No. 112,697
Term of patent 3½ years
(Cl. D3—26)



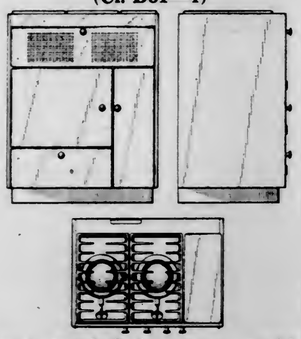
The ornamental design for a dress, substantially as shown.

137,567
DESIGN FOR A COOKING STOVE
Anton J. Yeager, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application July 28, 1943, Serial No. 110,782
Term of patent 7 years
(Cl. D81—4)



The ornamental design for a cooking stove, substantially as shown.

137,568
DESIGN FOR A COOKING STOVE
Anton J. Yeager, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application July 28, 1943, Serial No. 110,783
Term of patent 7 years
(Cl. D81—4)



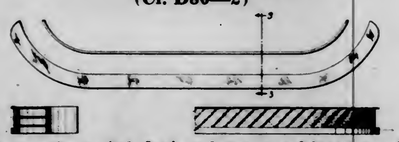
The ornamental design for a cooking stove, substantially as shown.

137,569
DESIGN FOR A WINDOW VENTILATOR BRACKET
Walter G. Dieter, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application August 20, 1943, Serial No. 110,962
Term of patent 14 years
(Cl. D62—4)



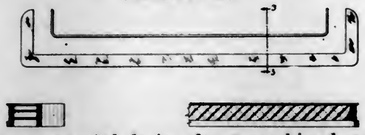
The ornamental design for a window ventilator bracket, substantially as shown.

137,570
DESIGN FOR A COMBINED SERVING BAR AND GUARD PARTITION THEREFOR
Jack Stark, Edgemere, N. Y., assignor of one-third to Maurice B. Solomon and one-third to Enos Chatrand, both of New York, N. Y.
Application September 19, 1941, Serial No. 103,412
Term of patent 3½ years
(Cl. D80—2)



The ornamental design for a combined serving bar and guard partition therefor, substantially as shown and described.

137,571
DESIGN FOR A COMBINED SERVING BAR AND GUARD PARTITION THEREFOR
Jack Stark, Edgemere, N. Y., assignor of one-third to Maurice B. Solomon and one-third to Enos Chatrand, both of New York, N. Y.
Application September 19, 1941, Serial No. 103,413
Term of patent 3½ years
(Cl. D80—2)



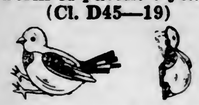
The ornamental design for a combined serving bar and guard partition therefor, substantially as shown and described.

137,572
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,559
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

137,573
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,561
Term of patent 7 years
(Cl. D45—19)



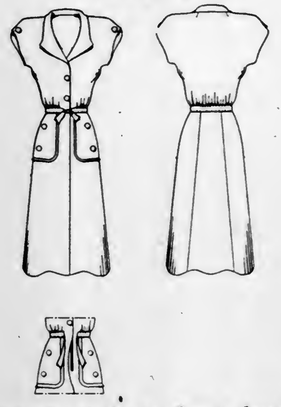
The ornamental design for a brooch pin, substantially as shown.

137,574
DESIGN FOR A DRESS
Julia Smith, New York, N. Y.
Application February 15, 1944, Serial No. 112,585
Term of patent 3½ years
(Cl. D3—26)



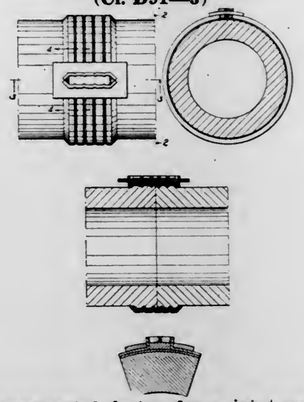
The ornamental design for a dress, substantialy as shown.

137,575
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application February 15, 1944, Serial No. 112,589
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,576
DESIGN FOR A JOINT COUPLING OR SIMILAR ARTICLE
Ivan Ročić, New York, N. Y.
Application August 3, 1942, Serial No. 107,810
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a joint coupling or similar article, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alt, William, doing business as Three Star Products, Chicago, Ill. Cleaning crystals. Serial No. 465,351; Mar. 28. Class 4.

Ams, Max, Inc., New York, N. Y. Noodles. Serial No. 464,772; Mar. 28. Class 46.

Anderson Fire Fighting Equipment Company, Inc., New York, N. Y. Metal hose couplings. Serial No. 465,752; Mar. 28. Class 13.

Aurora Equipment Company, Aurora, Ill. Store display fixtures. Serial No. 464,935; Mar. 28. Class 32.

Ballard, W. P., & Company, Birmingham, Ala. Cleaning compound for linen, silk, and other textiles, etc. Serial No. 461,993; Mar. 28. Class 4.

Barnett, J. R., Harlingen, Tex. Fresh vegetables. Serial No. 466,971; Mar. 28. Class 46.

Brand, Wayne B., Co., Yuma, Ariz. Fresh vegetables. Serial No. 466,426; Mar. 28. Class 46.

Betsy Bag Co. (See Eastern Mfg. Co.)

Brooks, E. J., Company, Newark, N. J. Base-metal truck-car and shipping-case seals, etc. Serial No. 466,972; Mar. 28. Class 25.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley bed and gutter brushes. Serial No. 465,730; Mar. 28. Class 29.

Bugler Brand and Agencies Ltd., The, Vancouver, Canada. Cigarettes and smoking tobacco. Serial No. 460,249; Mar. 28. Class 17.

Camp, Erwin, doing business as Camp Hosiery Mills, New York, N. Y. Men's, women's, and children's hosiery. Serial No. 466,321; Mar. 28. Class 39.

Camp Hosiery Mills. (See Camp, Erwin.)

Campana Sales Company, Batavia, Ill. Toilet soaps. Serial No. 466,251; Mar. 28. Class 4.

Carnac Cottons, Inc., New York, N. Y. Cotton piece goods. Serial No. 466,503; Mar. 28. Class 42.

Carto-Pack Company, The. (See Phillips, Henry.)

Clark, J. R., Company, The, Minneapolis, Minn. Ladders. Serial No. 460,288; Mar. 28. Class 50.

Cock 'N Bull Products, Los Angeles, Calif. Ginger beer. Serial No. 449,764; Mar. 28. Class 45.

Co-Operative Olive Products Association, Inc., Fresno, Calif. Olive oil, green olives, ripe olives, etc. Serial No. 462,305; Mar. 28. Class 46.

Colonial Mfg. Co. Inc., New York, N. Y. Finger-rings and brooches made of precious metalware. Serial No. 465,974; Mar. 28. Class 28.

Conde Nast Publications, Inc., The, New York, N. Y. Monthly magazine. Serial No. 464,645; Mar. 28. Class 38.

Coty, Inc., New York, N. Y. Face powder, toilet water, lipsticks, etc. Serial No. 465,893; Mar. 28. Class 6.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, blouses, suits, etc. Serial No. 460,690; Mar. 28. Class 39.

Damrau, William F., doing business as Michigan Industrial Sales Company, Detroit, Mich. Drill head. Serial No. 464,080; Mar. 28. Class 23.

De Metz, Louis Hirsch, Company, New York, N. Y. Watches, watch-movements, watchcases, etc. Serial No. 466,194; Mar. 28. Class 27.

Dempster Brothers, Incorporated, Knoxville, Tenn. Presses for baling scrap metals. Serial Nos. 464,601–2; Mar. 28. Class 23.

Dendura Products. (See Standard Distributing Company.)

Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Stencil ink. Serial No. 465,415; Mar. 28. Class 11.

Eastern Mfg. Co., doing business as Betsy Bag Co., Boston, Mass. Handbags. Serial No. 466,755; Mar. 28. Class 3.

Eaton, Charles A., Company, Brockton, Mass. Boots and shoes. Serial No. 466,347; Mar. 28. Class 39.

Elco Grease and Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. Serial No. 466,985; Mar. 28. Class 15.

Electronic Specialty Co. (See Marcus, David A.)

Emdee Laboratories, Inc., New York, N. Y. Medicinal vitamin iron and liver concentrate preparations. Serial No. 466,692; Mar. 28. Class 6.

Enthone Company, The, New Haven, Conn. Chemical compound for oxidizing metal articles. Serial No. 466,786; Mar. 28. Class 6.

Fuld Bros., doing business as George Stuart Timesavers, Baltimore, Md. Dish washing compound. Serial No. 465,473; Mar. 28. Class 4.

General Shoe Corporation, Nashville, Tenn. Shoe and boot polish. Serial No. 466,695; Mar. 28. Class 4.

Gibbs, R. S., doing business as Standard Wood Preserver Co., New Orleans, La. Paint oil. Serial No. 463,071; Mar. 28. Class 16.

Goodman, Bessie, doing business as The Nomayde Company, Brooklyn, N. Y. Dry cleaners and soaps. Serial No. 465,624; Mar. 28. Class 4.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Polyvinyl resins useful for conversion into finished products. Serial No. 466,791; Mar. 28. Class 1.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Eggs. Serial No. 466,910; Mar. 28. Class 46.

Green Thumb Gardens, Arcanum, Ohio. Nursery products. Serial No. 461,889; Mar. 28. Class 1.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures for fluorescent lamps. Serial No. 466,040; Mar. 28. Class 21.

Hamilton Manufacturing Company, Two Rivers, Wis., and Rahway, N. J. Laboratory and special professional furniture. Serial No. 457,934; Mar. 28. Class 32.

Hospital Specialty Company, The, Cleveland, Ohio. Vending machines. Serial No. 466,080; Mar. 28. Class 23.

Indian Arts and Crafts Broad, Washington, D. C. Wooden forks and spoons. Serial No. 466,495; Mar. 28. Class 23.

Indian Arts and Crafts Board, Washington, D. C. Bead necklaces. Serial No. 466,496; Mar. 28. Class 28.

Indian Arts and Crafts Board, Washington, D. C. Canoes. Serial No. 466,498; Mar. 28. Class 50.

Indian Arts and Crafts Board, Washington, D. C. Leather baskets, leather wastepaper baskets. Serial No. 467,079; Mar. 28. Class 2.

Indian Arts and Crafts Board, Washington, D. C. Dolls. Serial No. 467,080; Mar. 28. Class 22.

Indian Arts and Crafts Board, Washington, D. C. Willow bed-ends. Serial No. 467,082; Mar. 28. Class 32.

Jessen, Richard L., Wauwatosa, Wis. Pharmaceutical preparations. Serial No. 460,959; Mar. 28. Class 6.

KelRay Knitting Mills. (See Krumholz & Lichtblau.)

Kitchen Maid Corporation, The, Andrews, Ind. Kitchen cabinet base units, wall units, storage units, etc. Serial No. 465,363; Mar. 28. Class 32.

Krumholz & Lichtblau, doing business as KelRay Knitting Mills, New York, N. Y. Ladies', misses', and children's panties, step-in underdrawers, bandeaux, etc. Serial No. 462,256; Mar. 28. Class 39.

Lawrence, A. C., Leather Company, Peabody, Mass. Leather. Serial No. 466,534; Mar. 28. Class 1.

Lee Uniform Cap Manufacturing Company, Baltimore, Md. Uniform caps and hats. Serial No. 461,891; Mar. 28. Class 39.

Lilley-Ames Company, The, Columbus, Ohio. Men's apparel. Serial No. 458,103; Mar. 28. Class 39.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric contacts. Serial No. 466,844; Mar. 28. Class 21.

Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. Serial No. 466,761; Mar. 28. Class 39.

Manufacturers Supplies Company, St. Louis, Mo. Threads. Serial No. 466,617; Mar. 28. Class 43.

Marcus, David A., doing business as Electronic Specialty Co., Los Angeles, Calif. Electronic device for rectifying A. C. current into D. C. current. Serial No. 464,003; Mar. 28. Class 21.

Marrus, Isaac I., New York, N. Y. Combs, bobby pins, and hair pins. Serial No. 464,440; Mar. 28. Class 40.

Martin, Henry George, Buenos Aires, Argentina. Fountain pens. Serial No. 465,781; Mar. 28. Class 37.

Mayflower Manufacturing Company, Dallas, Tex. Laxative. Serial No. 466,763; Mar. 28. Class 6.

McClellan Stores Company, New York, N. Y. Children's and infants' overalls. Serial No. 465,925; Mar. 28. Class 39.

Meeker, Roy J., Los Angeles, Calif. Women's, misses', and children's, girdles, panty girdles, corsets, etc. Serial No. 465,953; Mar. 28. Class 39.

Michigan Industrial Sales Company. (See Damrau, William F.)

Motloid Co., Inc., The, Chicago, Ill. Acrylic denture base material. Serial No. 467,042; Mar. 28. Class 44.

Myers, Ralph E., doing business as Ralph E. Myers Co., Salinas, Calif. Fresh vegetables. Serial No. 461,148; Mar. 28. Class 46.

National Lead Company, New York, N. Y. Bentonite for use in the preparation and treatment of well drilling fluids. Serial No. 461,929; Mar. 28. Class 12.

National Silver Company, New York, N. Y. Ladies' compacts of plastic or composition, etc. Serial No. 466,738; Mar. 28. Class 2.

New Haven Quilt & Pad Company, The, New Haven, Conn. Comfortables. Serial No. 464,582; Mar. 28. Class 42.

New York Air Brake Company, The, Watertown, N. Y. Hydraulic pumps and parts thereof, etc. Serial No. 465,266; Mar. 28. Class 23.

Nomayde Company, The. (See Goodman, Bessie.)

Norton Company, Worcester, Mass. Abrasive products. Serial Nos. 466,537–8; Mar. 28. Class 4.

Pangburn Company, Inc., Fort Worth, Tex. Candy. Serial No. 467,045; Mar. 28. Class 46.
Phillips, Henry, doing business as The Carto-Pack Company, Grand Rapids, Mich. Mailing cartons with adjustable dividers, etc. Serial No. 466,229; Mar. 28. Class 2.
Photo Technical Corporation, The, South Norwalk, Conn. Photographic developer concentrate. Serial No. 464,617; Mar. 28. Class 6.
Pinaud, Incorporated, New York, N. Y. Perfume. Serial No. 466,845; Mar. 28. Class 6.
Plee-Zing, Inc., Chicago, Ill. Cleansing preparation consisting principally of tri-sodium phosphate, etc. Serial No. 462,211; Mar. 28. Class 4.
Pons, Helene, New York, N. Y. Ladies' and misses' vestees. Serial No. 466,928; Mar. 28. Class 39.
Ralston Purina, St. Louis, Mo. Baby turkeys. Serial No. 458,249; Mar. 28. Class 46.
Robins Conveyors Incorporated, Passaic, N. J. Vibrating screen separating machines, etc. Serial No. 465,576; Mar. 28. Class 23.
Rogers Peet Company, New York, N. Y. Men's and boys' hats, caps, outer shirts, etc. Serial No. 459,376; Mar. 28. Class 39.
Rosenholz, J., Inc., New York, N. Y. Rayon piece goods. Serial No. 466,952; Mar. 28. Class 42.
Sica Bros., New York, N. Y. Ladies' and misses' blouses, vestees and jackets. Serial No. 466,865; Mar. 28. Class 39.
Shelton, W. G., Co., Inc., St. Louis, Mo. Kit comprising an apparatus for giving so-called permanent waves and containing solutions for softening the hair, etc. Serial No. 465,271; Mar. 28. Class 50.
Shirley Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 466,514; Mar. 28. Class 42.
Smith, Isidore, New York, N. Y. Woolen and worsted fabrics. Serial No. 466,178; Mar. 28. Class 42.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Compass repeaters, compass controlled directional gyroscopes, etc. Serial No. 464,449; Mar. 28. Class 26.
Standard Distributing Company, doing business as Dendura Products, Chicago, Ill. Preparation for making secure dental plates in the mouth. Serial Nos. 466,464–5; Mar. 28. Class 6.
Standard Wood Preserver Co. (See Gibbs, R. S.)
Stickless Corporation, The, New York, N. Y. Stationery. Serial No. 450,818; Mar. 28. Class 37.
Stuart, George, Timesavers. (See Fuld Bros.)
Studios, Inc., Waltham, Mass. Lounge chairs. Serial No. 466,054; Mar. 28. Class 32.
Superba Cravats, Rochester, N. Y. Neckties and mufflers. Serial No. 466,469; Mar. 28. Class 39.
Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen Fabrics. Serial No. 466,131; Mar. 28. Class 42.
Three Star Products. (See Alt, William.)
Tockstein, Julia, doing business as Tocsein, Chicago, Ill. Preparation for use in the treatment of St. Vitus dance and infantile paralysis. Serial No. 466,812; Mar. 28. Class 6.
Tocsein. (See Tockstein, Julia.)
Toledo Blade Company, The, Toledo, Ohio. Newspaper published periodically. Serial No. 464,905; Mar. 28. Class 38.
United Shoe Machinery Corporation, Boston, Mass. Adhesives containing natural gums, animal or fish glue, etc. Serial No. 460,164; Mar. 28. Class 5.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Preparation for preventing corrosion of metals, etc. Serial No. 466,561; Mar. 28. Class 6.
Varniton Company, The, Los Angeles, Calif. Filter cloth. Serial No. 466,184; Mar. 28. Class 42.
Wasco Oilsilk Products Company, New York, N. Y. Piece goods. Serial No. 465,701; Mar. 28. Class 42.
Washington, G., Coffee Refining Co., Morris Plains, N. J. Coffee extracts with the admixture of other food ingredients. Serial No. 464,735; Mar. 28. Class 46.
Wesche, B. A., Electric Company, The, Cincinnati, Ohio. Electric motors of all kinds and thrusters. Serial No. 464,562; Mar. 28. Class 21.
Whipple Company, The, Natick, Mass. Preserved fruits, marshmallow topping, nuts, etc. Serial Nos. 466,242–3; Mar. 28. Class 46.
Whitmire, Homer E., doing business as Whitmire Research Laboratories, St. Louis, Mo. Insecticidal preparations. Serial No. 466,246; Mar. 28. Class 6.
Whitmire Research Laboratories. (See Whitmire, Homer E.)
Wilde, John P., Sands Point, N. Y. Perfumes. Serial No. 465,725; Mar. 28. Class 6.
Willamette Hyster Company, Portland, Oreg. Trucks. Serial No. 466,562; Mar. 28. Class 23.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Product comprising dry soluble alkaline powders for cleaning, etc. Serial No. 464,152; Mar. 28. Class 4.
Zinsser, Wm., & Co. Inc., New York, N. Y. Granular resinous material. Serial No. 466,338; Mar. 28. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

Aetna Carpet Co., to Max Rothman, doing business as Aetna Carpet Co., New York, N. Y., successor. Textile carpets. 170,539; renewed July 17, 1943.
Alamo Produce Company, Los Angeles, Calif. Fresh vegetables. 406,339; Mar. 28; Serial No. 463,366; published Jan. 18, 1944. Class 46.
Albumatic Company, New York, N. Y. Phonograph record cabinets. 406,363; Mar. 28; Serial No. 464,957; published Jan. 18, 1944. Class 32.
Allied Drug Products Company. (See Thacher Medicine Company.)
American Biscuit and Manufacturing Company, Chicago, Ill., to National Biscuit Company, New York, N. Y., successor. Crackers and biscuits. 24,818; re-renewed June 5, 1944.
American Burtonizing Company and Wallerstein Laboratories, assignor to Wallerstein Company, Inc., New York, N. Y. Malt cereal product. 186,676; renewed July 22, 1944.
American Chemical & Drug Co. Inc., assignor to N. D. Petrochko & Company, Olyphant, Pa. Proprietary laxative remedy. 181,226; renewed Mar. 18, 1944.
American Fastener Company, The, Waterbury, Conn. Snap fasteners. 181,503; renewed Mar. 18, 1944.
American Instrument Company, Silver Spring, Md. Low temperature test cabinets. 406,361; Mar. 28; Serial No. 464,933; published Jan. 18, 1944. Class 26.
American Maize-Products Company, New York, N. Y. Protein-containing solution. 406,331; Mar. 28; Serial No. 461,215; published July 27, 1943. Class 5.
American Reviewing Company, Philadelphia, Pa. Articles and other publications. 406,377; Mar. 28. Class 38.
Anestex Laboratories. (See Curtis, David.)
Art Wire and Stamping Company, Arlington, to Art Wire and Stamping Company, Newark, N. J. Safety pins. 184,763–4; renewed June 3, 1944.
Austin, Nichols & Co., Incorporated, Brooklyn and New York, N. Y. Whiskey. 406,389; Mar. 28. Class 49.
Bassett, Gertrude E., Los Angeles, Calif. Cushions for babies. 406,359; Mar. 28; Serial No. 464,807; published Jan. 18, 1944. Class 32.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. 187,217–18; renewed July 29, 1944.
Bennett, Fred S., Inc., New York, N. Y., assignor, by mesne assignments, to Metakloth Company, Lodi, N. J. Waterproof and water-repellent knitted, netted, and woven fabrics. 183,084; renewed Apr. 22, 1944.
Bennett, Fred S., Inc., New York, N. Y., assignor, by mesne assignments, to Metakloth Company, Lodi, N. J. Waterproof and water-repellent knitted, netted, and woven fabrics. 183,087–8; renewed Apr. 22, 1944.
Brigham Company, The, Springfield, Mass. Hats, sweaters, coats, etc. 185,762; renewed June 24, 1944.
Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 187,274; renewed July 29, 1944.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Carom billiard balls. 406,351; Mar. 28; Serial No. 464,464; published Jan. 18, 1944. Class 22.
Bush, Lester C., Columbus, Ohio. Fabric and leather work gloves, pants, overalls, men's hats and caps. 179,095; renewed Feb. 5, 1944.
Canfield Oil Company, The, Cleveland, Ohio. Sweeping compounds for cleaning floors, driveways, etc. 406,338; Mar. 28; Serial No. 463,224; published Jan. 18, 1944. Class 4.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Compressed gas for heating, lighting, and power purposes. 180,530; renewed Mar. 4, 1944.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Self-contained units for storing and supplying gas. 180,791; renewed Mar. 4, 1944.
Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, bars, etc. 406,383–5; Mar. 28. Class 14.
Casco Products Corporation, Bridgeport, Conn. Handheld feed-through rheostat electric switches. 406,373; Mar. 28. Class 21.
Cohen, Bernard, New York, N. Y. Ladies', misses', men's, and boys' riding breeches and jodhpurs. 406,391; Mar. 28. Class 39.
Colonial Mfg. Co. Inc., New York, N. Y. Finger-rings and brooches. 406,394; Mar. 28. Class 28.
Columbus Hickory Furniture Co. (See Simons, Luther A.)
Concrete Publishing Corporation, Chicago, Ill. Trade magazine. 406,386; Mar. 28. Class 38.
Corn Products Refining Company, New York, N. Y. Corn flour. 183,051; renewed Apr. 22, 1944.
Corn Products Refining Company, New York, N. Y. Corn flour. 185,155; renewed June 10, 1944.
Corral, Wodiska Y Ca., Tampa, Fla. Cigars. 185,311; renewed June 10, 1944.
Cowan, Harrison J., doing business as Personal Luxuries Company, New York, N. Y. Soaps. 406,380; Mar. 28. Class 4.

Crawford, McGregor and Canby Company, Dayton, assignor, by mesne assignments, to Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 186,601; renewed July 22, 1944.
Crown Fabrics Corporation, New York, N. Y. Textile fabrics. 406,390; Mar. 28. Class 42.
Curtis, David, doing business as De-Ce-Products Co. of New York, New York, N. Y., assignor to Lynn A. Smith, doing business as Anestex Laboratories, Pittsburgh, Pa. Local anaesthetic. 181,821; renewed Mar. 25, 1944.
De Aranda, Manuel Romero, Jerez de la Frontera, Spain. Wines. 406,374; Mar. 28. Class 47.
De-Ce-Products Co. of New York. (See Curtis, David.)
Deming Company, The, Salem, Ohio. Power pumps. 181,925; renewed Apr. 1, 1944.
Dick, A. B., Company, Chicago, Ill. Stencil paper, stencils, and stencil backing sheets. 187,225; renewed July 29, 1944.
Di Giorgio Fruit Corporation. (See Standard Growers Exchange, assignor.)
Dillard & Keene Co., Eustis, Fla., by change of name to Jos. Eichelberger & Co. Fresh citrous fruits. 181,000; renewed Mar. 11, 1944.
Dumont Packing Co. (See Farina, Orlando.)
Eagle-Picher Lead Company, The, Cincinnati, Ohio. Coating compositions. 406,353; Mar. 28; Serial No. 464,505; published Jan. 18, 1944. Class 16.
Economics Laboratory, Incorporated, St. Paul, Minn. Cleaning compound. 186,368; renewed July 8, 1944.
Eichelberger, Jos., & Co. (See Dillard & Keene Co.)
Eisele & Co., Nashville, Tenn. Nursing bottle. 406,327; Mar. 28; Serial No. 460,566; published Jan. 18, 1944. Class 44.
Etablissements Rigaud, Inc. (See Rigaud, H., assignor.)
Falk Products Co., Inc., Cadillac, Mich. Potato flour. 406,393; Mar. 28. Class 46.
Farina, Orlando, doing business as Dumont Packing Co., St. Helena, Calif. Fresh grapes. 406,375; Mar. 28. Class 46.
Featherweight Foods, Inc., Boston, Mass. Canned or pulverized dehydrated vegetables. 406,329; Mar. 28; Serial No. 460,756; published Jan. 18, 1944. Class 46.
Federal Telephone and Radio Corporation, New York, N. Y. Self-contained electronic heating apparatus and parts and accessories therefor. 406,337; Mar. 28; Serial No. 463,122; published Dec. 28, 1943. Class 21.
Flanagan, B. H., et al. (See Hilger, W. P., assignor.)
Fraser, Mary, Candies, Inc., doing business as Mary Fraser Candy Studio to Welch's Candy, Limited, Los Angeles, Calif., successor. Candies. 178,014; renewed Jan. 1, 1944.
Fraser, Mary, Candy Studio. (See Fraser, Mary, Candies, Inc.)
Glendora Mutual Orange Association, Azusa, to Glendora Mutual Orange Association, Glendora, Calif. Fresh citrous fruits. 186,075; renewed July 1, 1944.
Glendora Mutual Orange Association, Azusa, to Glendora Mutual Orange Association, Glendora, Calif. Fresh citrous fruits. 187,210; renewed July 29, 1944.
Glendora Mutual Orange Association. (See Glendora Mutual Orange Association.)
Griess Pfleger Tanning Company, The, Cincinnati, Ohio, to The Griess-Pfleger Tanning Co., Waukegan, Ill. Leather. 186,388; renewed July 8, 1944.
Helena Wholesale Dry Goods, assignor to Helena Wholesale Dry Goods Company, Helena, Ark. Men's, youth's, and boys' overalls, men's work pants and dress pants; etc. 186,649; renewed July 22, 1944.
Herman, Samuel A., New York, N. Y. X-ray dental films. 406,341; Mar. 28; Serial No. 463,838; published Jan. 18, 1944. Class 26.
Hesslein-Samstag, Inc., New York, N. Y. Pocket books. 406,370; Mar. 28; Serial No. 465,391; published Jan. 18, 1944. Class 3.
Hilger Company, The. (See Hilger, W. P.)
Hilger, W. P., doing business as The Hilger Company, assignor to B. H. Flanagan and M. H. O'Link, doing business as Stearns Manufacturing Company, St. Cloud, Minn. Sponge rubber weather stripping. 406,372; Mar. 28. Class 12.
Hoffman, Elic A., doing business as E. A. Hoffman Candy Co., to E. A. Hoffman Candy Co. Inc., Los Angeles, Calif., successor. Candy and chocolates. 187,291; renewed July 29, 1944.
Hoffman, E. A. Candy Co. Inc. (See Hoffman, Elic A.)
Hollins, William, & Company, Limited, London and Mansfield, to William Hollins & Company, Limited, Nottingham, England. Fabrics in the piece. 183,709; renewed May 6, 1944.
Homis Company. (See Shemanski, Joseph.)
Hospital Specialty Company, The, Cleveland, Ohio. Sanitary napkins. 406,395; Mar. 28. Class 44.
Joannes Brothers Company, Green Bay, Wis. Canned vegetables, canned fish, fruit preserves, and molasses. 406,396; Mar. 28. Class 46.
Jones, Frank J. (See Pacific Manure & Fertilizer Co., assignor.)
Kane, Irene, New York, N. Y. Watch cases. 406,328; Mar. 28; Serial No. 460,761; published Jan. 18, 1944. Class 27.
Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 406,354; Mar. 28; Serial No. 464,540; published Jan. 18, 1944. Class 46.
Kidde, Walter, & Company, Inc., New York, N. Y. Fire-extinguishing apparatus. 186,814; renewed July 22, 1944.
Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Machine gun chargers. 406,325; Mar. 28; Serial No. 460,028; published July 13, 1943. Class 9.
Kiger, C. A., Company, Kansas City, Mo. Diamonds. 406,378; Mar. 28. Class 28.
Lane Tobacco Ltd., New York, N. Y. Cigarettes, cigars, snuff tobacco, etc. 406,352; Mar. 28; Serial No. 464,485; published Jan. 18, 1944. Class 17.
Lawther, W. J., Mills. (See Lawther, William J., assignor.)
Lawther, William J., doing business as W. J. Lawther Mills, assignor, by mesne assignments, to W. J. Lawther Mills, Dallas, Tex. Chick scratch grain, buttermilk starter, hen scratch grain, etc. 186,511; renewed July 22, 1944.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 406,365; Mar. 28; Serial No. 465,033; published Jan. 18, 1944. Class 4.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 406,366; Mar. 28; Serial No. 465,039; published Jan. 18, 1944. Class 4.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 406,392; Mar. 28. Class 4.
Litchfield Manufacturing Company, Litchfield, Mich. Basketballs, footballs, volleyballs, etc. 406,336; Mar. 28; Serial No. 462,851; published Jan. 18, 1944. Class 22.
Long Beach Milling Co., Long Beach, Calif. Corn meal, graham flour, whole-wheat flour, etc. 186,847; renewed July 22, 1944.
Lord & Taylor, New York, N. Y. Dresses, capes, jacquettes, etc. 179,605; renewed Feb. 12, 1944.
Maison Maurice, Inc., assignor to Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Women's and misses' hats, dresses, coats, etc. 180,795; renewed Mar. 4, 1944.
March, Sidney H., doing business as Radiescent Paint & Color Co., San Francisco, Calif. Paints. 406,376; Mar. 28. Class 16.
Marshall Field & Company, Chicago, Ill. Men's military toilet cases. 406,321; Mar. 28; Serial No. 455,179; published Jan. 18, 1944. Class 50.
McCoy's Laboratories, Inc., assignor to McCoy's Products, Inc., New York, N. Y. Cod-liver oil and cod-liver-oil compound. 186,709; renewed July 22, 1944.
McCoy's Products, Inc. (See McCoy's Laboratories, Inc., assignor.)
Mead Johnson & Company, Evansville, Ind. Specially-prepared food for infants. 184,697; renewed May 27, 1944.
Metakloth Company. (See Bennett, Fred S., Inc., assignor.)
Midwest Oil Company, assignor to Midwest Oil Company, Minneapolis, Minn. Lubricating oils, lubricating greases, gasoline, etc. 185,692; renewed June 24, 1944.
Moore Fabric Company, Pawtucket, R. I. Knitted, woven, and braided elastic fabric and webbing, nonelastic woven webbing, and woven single and double collar fabric. 185,677; renewed June 24, 1944.
National Biscuit Company. (See Pacific Coast Biscuit Company.)
National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Biscuits, crackers, wafers, etc. 183,434; renewed Apr. 29, 1944.
National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Bakers' products. 182,435; renewed Apr. 8, 1944.
National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Biscuits, crackers, wafers, etc. 184,551; renewed May 27, 1944.
National Biscuit Company. (See American Biscuit and Manufacturing Company.)
National Oil Products Company, Harrison, N. J. Detergent compositions. 406,356; Mar. 28; Serial No. 464,664; published Jan. 18, 1944. Class 4.
Natural Vitamins, Inc., Sanford, N. C. Mixture of wheat flour and prepared wheat germ. 406,381; Mar. 28. Class 46.
Niagara Alkali Company, Niagara Falls, to Niagara Alkali Company, New York, N. Y. Insecticides, disinfectants, and deodorants. 187,221; renewed July 29, 1944.
Nostrip, Inc., New York, N. Y. Treating agent comprising chemicals in aqueous solution. 406,324; Mar. 28; Serial No. 457,900; published Jan. 18, 1944. Class 12.
Ogus, Rabinovich & Ogus, Inc. (See Maison Maurice, Inc., assignor.)
O'Link, M. H., et al. (See Hilger, W. P., assignor.)
Orloff, Nicholas W., assignor to Jean Vivaudou Company, Inc., New York, N. Y. Clothes hangers, garment hangers, and shoe trees. 406,322; Mar. 28; Serial No. 457,046; published Jan. 18, 1944. Class 50.
Pacific Coast Biscuit Company, Seattle, Wash., to National Biscuit Company, New York, N. Y., successor. Candy. 186,188; renewed July 1, 1944.

Pacific Manure & Fertilizer Co., assignor, by mesne assignments, to Frank J. Jones, San Francisco, Calif. Pulverized animal manure. 185,953; renewed July 1, 1944.

Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Men's and boys' ready-to-wear clothing. 179,106; renewed Feb. 5, 1944.

Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Pillowcases and sheets. 183,154; renewed Apr. 22, 1944.

Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Men's dress shirts and negligee shirts. 182,210; renewed Apr. 1, 1944.

Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Men's and boys' ready-to-wear clothing. 179,640; renewed Feb. 12, 1944.

Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Cotton piece goods. 184,785; renewed June 3, 1944.

Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Cotton piece goods. 181,788; renewed Mar. 25, 1944.

Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Pillowcases. 179,843; renewed Feb. 19, 1944.

Personal Luxuries Company. (See Cowan, Harrison J.)

Peterson, Angela, Parkersburg, W. Va. Dolls and wearing apparel for dolls. 406,320; Mar. 28; Serial No. 455,084; published Jan. 18, 1944. Class 22.

Petrochko, N. D., & Company. (See American Chemical & Drug Co. Inc., assignor.)

Phillips Petroleum Company, Bartlesville, Okla. Lubricants. 406,318; Mar. 28; Serial No. 452,312; published July 21, 1942. Class 15.

Powell Knitting Company, The, Philadelphia, Pa. Hosiery. 186,642; renewed July 22, 1944.

Radiescent Paint & Color Co. (See March, Sidney H.)

Rambo, Joseph D., Norristown, Pa. Infants' hosiery. 406,367; Mar. 28; Serial No. 465,150; published Jan. 11, 1944. Class 39.

Reliable Remover & Lacquer Corp., Long Island City, N. Y. Paints, varnish, and lacquer remover. 406,397; Mar. 28. Class 16.

Richmond Rubber Co. Inc., Richmond, Va. Tires of rubber, fabric, synthetic rubber, etc. 406,369; Mar. 28; Serial No. 465,342; published Jan. 18, 1944. Class 35.

Rigaud, H., doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Perfume, toilet water, face powder, talcum powder, etc. 186,894; renewed July 22, 1944.

Robinson Milling Company, The, Salina, Kans. Wheat flour. 179,030; renewed Feb. 5, 1944.

Röhm & Haas Company. (See Röhm & Haas Co., Inc., assignor.)

Röhm & Haas Co., Inc., assignor to Röhm & Haas Company, Philadelphia, Pa. Chemicals used for the tanning of hides. 186,025; renewed July 1, 1944.

Rothman, Max. (See Aetna Carpet Co.)

Safeway Stores, Incorporated, Baltimore, Md., Reno, Nev., and Oakland, Calif. Dressed turkeys. 460,362; Mar. 28; Serial No. 464,954; published Jan. 18, 1944. Class 46.

Sarra, Doctor E. (See Tornabell Export Corporation, assignor.)

Savoy Blacking Co., Inc., Brooklyn, N. Y. Shoe polish. 406,387; Mar. 28. Class 4.

Sears, Roebuck and Co., Chicago, Ill. Automatic gas water heaters, forced draft evaporative air coolers, etc. 406,332; Mar. 28; Serial No. 462,234; published Jan. 18, 1944. Class 34.

Shemanski, Joseph, doing business as Homis Company, Los Angeles, Calif. Wrist watches, pocket watches, and clocks. 406,333; Mar. 28; Serial No. 462,323; published Jan. 18, 1944. Class 27.

Shepherd Knitwear Company, Inc., New York, N. Y. Sweaters, bathing suits, slacks, etc. 406,355; Mar. 28; Serial No. 464,554; published Jan. 11, 1944. Class 39.

Siegel Bros. Garment Corp., New York, N. Y. Ladies' and misses' coats and suits. 406,346; Mar. 28; Serial No. 464,358; published Jan. 11, 1944. Class 39.

Siegel Bros. Garment Corp., New York, N. Y. Ladies' and misses' coats and suits. 406,347–8; Mar. 28; Serial Nos. 464,359–60; published Jan. 18, 1944. Class 39.

Simonite Company. (See Simons, Luther A.)

Simons, Luther A., doing business as Columbus Hickory Furniture Co. and as the Simonite Company, Columbus and Bedford, Ind. Fiber weaving material employed in making of chair seats, baskets, etc. 406,340; Mar. 28; Serial No. 463,445; published Jan. 18, 1944. Class 1.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Warp sateens. 187,204; renewed July 29, 1944.

Singer Manufacturing Company, The, New York, N. Y., and Elizabeth, to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine furniture. 187,226; renewed July 29, 1944.

Smith, Lynn A. (See Curtis, David, assignor.)

Special Paper Mfg. Co., New York, N. Y. Prepared tracing paper. 179,227–8; renewed Feb. 5, 1944.

Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro-controlled direction and attitude indicating instruments. 406,335; Mar. 28; Serial No. 462,563; published Jan. 18, 1944. Class 26.

Sport Products, Inc. (See Crawford, McGregor and Canby Company, assignor.)

Spray Engineering Company, Boston, assignor to Spray Engineering Company, Somerville, Mass. Self-cleaning strainers. 183,085; renewed Apr. 22, 1944.

Spray Engineering Company, Boston, assignor to Spray Engineering Company, Somerville, Mass. Water-cooling systems. 183,229; renewed Apr. 22, 1944.

Spray Engineering Company, Boston, assignor to Spray Engineering Company, Somerville, Mass. Air washing and cooling equipment. 184,268; renewed May 20, 1944.

Spray Engineering Company, Boston, assignor to Spray Engineering Company, Somerville, Mass. Pneumatic painting and industrial surface-finishing equipment and parts thereof. 185,468; renewed June 17, 1944.

Stanes, Alex B., Brawley, Calif. Beer. 406,388; Mar. 28. Class 48.

Standard Duplicating Machines Corporation, Everett, Mass. Duplicating carbon paper. 406,326; Mar. 28; Serial No. 460,356; published Jan. 18, 1944. Class 11.

Standard Growers Exchange, Orlando, Fla., assignor to Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh fruits and vegetables. 179,548; renewed Feb. 12, 1944.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Polishes for furniture, floors, and automobiles. 406,343; Mar. 28; Serial No. 464,257; published Jan. 18, 1944. Class 16.

Stanley Works, The, New Britain, Conn. Rules, yardsticks, bevels, etc. 187,272; renewed July 29, 1944.

Stearns Manufacturing Company. (See Hilger, W. P.)

Stein, Joseph, Coat Co. (See Stein, Joseph.)

Stein, Joseph, doing business as Joseph Stein Coat Co., New York, N. Y. Ladies' and misses' coats, suits, and skirts. 406,319; Mar. 28; Serial No. 454,152; published Jan. 11, 1944. Class 39.

Stokby Company. (See Stokby, Edith.)

Stokby, Edith, doing business as Stokby Company, New York, N. Y. Canned and packaged foods. 406,323; Mar. 28; Serial No. 457,797; published Jan. 18, 1944. Class 46.

Sunlite Dessert Company, Inc. (See Waukesha Jelly Powder Company.)

Texas Tanning & Manufacturing Co., Yoakum, Tex. Billfolds. 406,371; Mar. 28; Serial No. 465,491; published Jan. 18, 1944. Class 3.

Thacher Medicine Company, to Allied Drug Products Company, Chattanooga, Tenn., successor. Pharmaceutical preparations. 180,694; renewed Mar. 4, 1944.

Tornabell Export Corporation, New York, N. Y., assignor to Doctor E. Sarra, Habana, Cuba. Soap for dyeing fabrics. 185,899; renewed June 24. 1944.

Triangle Publications, Inc., Philadelphia, Pa. Newspaper section. 406,382; Mar. 28. Class 38.

Trineo, Sociedad de Responsabilidad Limitada, Buenos Aires, Argentina. Candy. 406,330; Mar. 28; Serial No. 461,105; published Jan. 18, 1944. Class 46.

Twinley Coats, New York, N. Y. Ladies', misses', and juniors' coats and suits. 406,344; Mar. 28; Serial No. 464,325; published Jan. 18, 1944. Class 39.

Tykie Toy Company, Piqua, Ohio. Children's educational and amusement set. 406,345; Mar. 28; Serial No. 464,326; published Jan. 18, 1944. Class 22.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils and gasoline. 179,036; renewed February 5, 1944.

Virginia Supply Company, Roanoke, Va. Men's shoes, gloves, socks, etc. 182,047; renewed Apr. 1, 1944.

Vivandou, Jean, Company, Inc. (See Orloff, Nicholas W., assignor.)

Wallau, Alex Lee, Inc., New York, N. Y. Stocking feet. 406,379; Mar. 28. Class 39.

Wallerstein Company, Inc. (See American Burtonizing Company and Wallerstein Laboratories, assignor.)

Waukesha Jelly Powder Company, Inc., Waukesha, Wis., by change of name to Sunlite Dessert Company, Inc. Jelly powders. 185,309; renewed June 10, 1944.

Welch's Candy, Limited. (See Fraser, Mary, Candies, Inc.)

West Coast Grocery Co., Tacoma, Wash. Canned fruits. 406,342; Mar. 28; Serial No. 464,191; published Jan. 18, 1944. Class 46.

West Stanislaus Bean Growers Association, Westley, Calif. Dried vegetables. 406,357; Mar. 28; Serial No. 464,802; published Jan. 18, 1944. Class 46.

Wheaton, T. C., Co., Millville, N. J. Electronic glassware. 406,334; Mar. 28; Serial No. 462,530; published Jan. 18, 1944. Class 21.

Wheeler-Barnes Company, Minneapolis, Minn. Fruit preserves, jams, and jellies, etc. 406,349; Mar. 28; Serial No. 464,382; published Jan. 18, 1944. Class 46.

Whitworth & Mitchell Limited, Manchester, England. Cotton piece goods. 179,542; renewed February 12, 1944.

Williams, R. C., & Company, Inc., New York, N. Y. Soap. 406,368; Mar. 28; Serial No. 465,170; published Jan. 18, 1944. Class 4.

Willys-Overland Company, assignor, by mesne assignments, to Willys-Overland Motors, Inc., Toledo, Ohio. Passenger-carrying automobile. 180,897; renewed Mar. 11, 1944.

Willys-Overland Company, The, assignor, by mesne assignments, to Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles. 183,669; renewed May 6, 1944.

Willys-Overland Motors, Inc. (See Willys-Overland Company, assignor.)

Wilson Fastener Company, The, Cleveland, Ohio. Lingerie clasps. 183,384; renewed Apr. 29, 1944.

Wilson-Imperial Company, Newark, N. J. Liquid for cleaning fabrics. 406,364; Mar. 28; Serial No. 464,984; published Jan. 18, 1944. Class 4.

Wisconsin Foundry & Machine Company, Madison, Wis. All steel gravel and sand bins. 406,358; Mar. 28; Serial No. 464,803; published Jan. 18, 1944. Class 2.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing, and detergent material, etc. 406,360; Mar. 28; Serial No. 464,841; published Jan. 18, 1944. Class 4.

Younghusband, James L., Chicago, Ill. Tampons. 406,350; Mar. 28; Serial No. 464,407; published Jan. 18, 1944. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. Griess Pfleger Tanning Company. 186,388; renewed July 8, 1944.

Material employed in making of chair seats, baskets, etc., Fiber weaving. L. A. Simons. 406,340; Mar. 28; Serial No. 463,445; published Jan. 18, 1944.

CLASS 2

Bins, All steel gravel and sand. Wisconsin Foundry & Machine Company. 406,358; Mar. 28; Serial No. 464,803; published Jan. 18, 1944.

CLASS 3

Billfolds. Texas Tanning & Manufacturing Co. 406,371; Mar. 28; Serial No. 465,491; published Jan. 18, 1944.

Pocket books. Hesslein-Samstag, Inc. 406,370; Mar. 28; Serial No. 465,391; published Jan. 18, 1944.

CLASS 4

Cleaning, cleansing and detergent material, etc. Wyandotte Chemicals Corporation. 406,360; Mar. 28; Serial No. 464,841; published Jan. 18, 1944.

Cleaning compound. Economics Laboratory, Incorporated. 186,368; renewed July 8, 1944.

Cleaning fabrics, Liquid for. Wilson-Imperial Company. 406,364; Mar. 28; Serial No. 464,984; published Jan. 18, 1944.

Compounds for cleaning floors, driveways, etc., Sweeping. Canfield Oil Company. 406,338; Mar. 28; Serial No. 463,224; published Jan. 18, 1944.

Detergent compositions. National Oil Products Company. 406,356; Mar. 28; Serial No. 464,664; published Jan. 18, 1944.

Polish, Shoe. Savoy Blacking Co. 406,387; Mar. 28.

Soap. R. C. Williams & Company. 406,368; Mar. 28; Serial No. 465,170; published Jan. 18, 1944.

Soaps. H. J. Cowan. 406,380; Mar. 28.

Soaps, Toilet. Les Parfums de Dana, Inc. 406,392; Mar. 28.

Soaps, Toilet. Les Parfums de Dana. Inc. 406,366; Mar. 28; Serial No. 465,039; published Jan. 18, 1944.

Soaps, Toilet. Les Parfums de Dana. Inc. 406,365; Mar. 28; Serial No. 465,033; published Jan. 18, 1944.

CLASS 5

Solution, Protein-containing. American Maize-Products. 406,331; Mar. 28; Serial No. 461,215; published July 27, 1943.

CLASS 6

Anaesthetic, Local. D. Curtis. 181,821; renewed Mar. 25, 1944.

Chemicals used for the tanning of hides. Rohm & Haas Co. 186,025; renewed July 1, 1944.

Gas for heating, lighting, and power purposes, Compressed. Carbide & Carbon Chemicals Corporation. 180,530; renewed Mar. 4, 1944.

Insecticides, disinfectants, and deodorants. Niagara Alkali Company. 187,221; renewed July 29, 1944.

Laxative remedy, Proprietary. American Chemical & Drug Co. Inc. 181,226; renewed Mar. 18, 1944.

Oil and cod-liver-oil compound, Cod-liver. McCoy's Laboratories, Inc. 186,709; renewed July 22, 1944.

Perfume, toilet water, face powder, talcum powder, etc. H. Rigaud. 186,894; renewed July 22, 1944.

Pharmaceutical preparations. Thacher Medicine Company. 180,694; renewed Mar. 4, 1944.

Soap for dyeing fabrics. Tornabell Export Corporation. 185,899; renewed June 24, 1944.

CLASS 9

Machine gun chargers. W. Kidde & Company. 406,325; Mar. 28; Serial No. 460,028; published July 13, 1943.

CLASS 10

Manure, Pulverized animal. Pacific Manure & Fertilizer Co. 185,953; renewed July 1, 1944.

CLASS 11

Paper, Duplicating carbon. Standard Duplicating Machines Corporation. 406,326; Mar. 28; Serial No. 460,356; published Jan. 18, 1944.

CLASS 12

Treating agent comprising chemicals in aqueous solution. Nostrip, Inc. 406,324; Mar. 28; Serial No. 457,900; published Jan. 18, 1944.

Weather stripping, Sponge rubber. W. P. Hilger. 406,372; Mar. 28.

CLASS 13

Strainers, Self-cleaning. Spray Engineering Company. 183,085; renewed Apr. 22, 1944.

CLASS 14

Steel in the form of wire, strips, bars, etc. Carpenter Steel Company. 406,383–5; Mar. 28.

CLASS 15

Lubricants. Phillips Petroleum Company. 406,318; Mar. 28; Serial No. 452,312; published July 21, 1942.

Oils and gasoline, Lubricating. Union Oil Company of California. 179,036; renewed February 5, 1944.

Oils, lubricating greases, gasoline, etc., Lubricating. Midwest Oil Company. 185,692; renewed June 24, 1944.

CLASS 16

Coating compositions. Eagle-Picher Lead Company. 406,353; Mar. 28; Serial No. 464,505; published Jan. 18, 1944.

Paints. S. H. March. 406,376; Mar. 28.

Paints, varnish, and lacquer remover. Reliable Remover & Lacquer Corp. 406,397; Mar. 28.

Polishes for furniture, floors, and automobiles. Standard Oil Company of California. 406,343; Mar. 28; Serial No. 464,257; published Jan. 18, 1944.

CLASS 17

Cigarettes, cigars, snuff tobacco, etc. Lane Tobacco Ltd. 406,352; Mar. 28; Serial No. 464,485; published Jan. 18, 1944.

Cigars. Corral, Wodiska y Ca. 185,311; renewed June 10, 1944.

CLASS 19

Automobile, Passenger-carrying. Willys-Overland Company. 180,897; renewed Mar. 11, 1944.

Automobiles. Willys-Overland Company. 183,669; renewed May 6, 1944.

CLASS 21

Electric switches, Hand-held feed-through rheostat. Casco Products Corporation. 406,373; Mar. 28.

Electronic glassware. T. C. Wheaton Co. 406,335; Mar. 28; Serial No. 462,530; published Jan. 18, 1944.

Electronic heating apparatus and parts and accessories therefor, Self-contained. Federal Telephone and Radio Corporation. 406,337; Mar. 28; Serial No. 463,122; published Dec. 28, 1943.

CLASS 22

Basketballs, footballs, volleyballs, etc. Litchfield Manufacturing Company. 406,336; Mar. 28; Serial No. 462,851; published Jan. 18, 1944.

Carom billiard balls. Brunswick-Balke-Collender Company. 406,351; Mar. 28; Serial No. 464,464; published Jan. 18, 1944.

Clubs, Golf. Crawford, McGregor and Canby Company. 186,601; renewed July 22, 1944.

Dolls and wearing apparel for dolls. A. Peterson. 406,320; Mar. 28; Serial No. 455,084; published Jan. 18, 1944.

Educational and amusement set, Children's. Tykie Toy Company. 406,345; Mar. 28; Serial No. 464,326; published Jan. 18, 1944.

CLASS 23

Fire-extinguishing apparatus. Walter Kidde & Company. 186,814; renewed July 22, 1944.

Painting and industrial surface-finishing equipment and parts thereof, Pneumatic. Spray Engineering Company. 185,468; renewed June 17, 1944.

Pumps, Power. Deming Company. 181,925; renewed Apr. 1, 1944.

Sewing-machine furniture. Singer Manufacturing Company. 187,226; renewed July 29, 1944.

CLASS 26

Cabinets, Low temperature test. American Instrument Company. 406,361; Mar. 28; Serial No. 464,933; published Jan. 18, 1944.
Gyro-controlled direction and attitude indicating instruments. Sperry Gyroscope Company. 406,335; Mar. 28; Serial No. 462,563; published Jan. 18, 1944.
Lenses, Ophthalmic. Bausch & Lomb Optical Company. 187,217–8; renewed July 29, 1944.
Rules, yardsticks, bevels, etc. Stanley Works. 187,272; renewed July 29, 1944.
X-ray dental films. S. A. Herman. 406,341; Mar. 28; Serial No. 463,838; published Jan. 18, 1944.

CLASS 27

Watch cases. I. Kane. 406,328; Mar. 28; Serial No. 460,761; published Jan. 18, 1944.
Watches, pocket watches, and clocks, Wrist. J. Shemanski. 406,333; Mar. 28; Serial No. 462,323; published Jan. 18, 1944.

CLASS 28

Clasps, Lingerie. Wilson Fastener Company. 183,384; renewed Apr. 29, 1944.
Diamonds. C. A. Kiger Company. 406,378; Mar. 28.
Finger-rings and brooches. Colonial Mfg. Co. Inc. 406,394; Mar. 28.

CLASS 31

Water-cooling systems. Spray Engineering Company. 183,229; renewed Apr. 22, 1944.

CLASS 32

Cabinets, Phonograph record. Albumatic Company. 460,363; Mar. 28; Serial No. 464,957; published Jan. 18, 1944.
Cushions for babies. G. E. Bassett. 406,359; Mar. 28; Serial No. 464,807; published Jan. 18, 1944.

CLASS 34

Air washing and cooling equipment. Spray Engineering Company. 184,268; renewed May 20, 1944.
Automatic gas water heaters, forced draft evaporative air coolers, etc. Sears, Roebuck and Co. 406,332; Mar. 28; Serial No. 462,234; published Jan. 18, 1944.
Units for storing and supplying gas, Self-contained. Carbide & Carbon Chemicals Corporation. 180,791; renewed Mar. 4, 1944.

CLASS 35

Tires of rubber, fabric synthetic rubber, etc. Richmond Rubber Co. Inc. 406,369; Mar. 28; Serial No. 465,342; published Jan. 18, 1944.

CLASS 37

Paper, Prepared tracing. Special Paper Mfg. Co. 179,227–8; renewed Feb. 5, 1944.
Paper, stencils, and stencil backing sheets, Stencil. A. B. Dick Company. 187,225; renewed July 29, 1944.

CLASS 38

Articles and other publications. American Reviewing Company. 406,377; Mar. 28.
Magazine, Trade. Concrete Publishing Corporation. 406,386; Mar. 28.
Newspaper section. Triangle Publications, Inc. 406,382; Mar. 28.

CLASS 39

Breeches and jodhpurs, Ladies', misses', men's, and boys' riding. B. Cohen. 406,391; Mar. 28.
Clothing, Men's and boys' ready-to-wear. J. C. Penney Company. 179,106; renewed Feb. 5, 1944.
Clothing, Men's and boys' ready-to-wear. J. C. Penney Company. 179,640; renewed Feb. 12, 1944.
Coats and suits, Ladies', misses', and juniors'. Twinley Coats. 406,344; Mar. 28; Serial No. 464,325; published Jan. 18, 1944.
Coats and suits, Ladies' and misses'. Siegel Bros. Garment Corp. 406,346–7; Mar. 28; Serial No. 464,358–9; published Jan. 11, 1944.
Coats and suits, etc., Ladies' and misses'. Siegel Bros. Garment Corp. 406,348; Mar. 28; Serial No. 464,360; published Jan. 18, 1944.
Coats, suits, and skirts, Ladies' and misses'. J. Stein. 406,319; Mar. 28; Serial No. 454,152; published Jan. 11, 1944.
Dresses, capes, jacquettes, etc. Lord & Taylor. 179,605; renewed Feb. 12, 1944.
Gloves, Fabric and leather, pants, overalls, men's hats and caps, work. L. C. Bush. 179,095; renewed Feb. 5, 1944.
Hats, dresses, coats, etc., Women's and misses', Maison Maurice, Inc. 180,795; renewed Mar. 4, 1944.
Hats, sweaters, coats, etc. Brigham Company. 185,762; renewed June 24, 1944.
Hosiery. Powell Knitting Company. 186,642; renewed July 22, 1944.
Hosiery, Infants'. J. D. Rambo. 406,367; Mar. 28; Serial No. 465,150; published Jan. 11, 1944.
Overalls; men's work pants and dress pants; etc., Men's, youths', and boys'. Helena Wholesale Dry Goods Company. 186,649; renewed July 22, 1944.
Shirts and negligee shirts, Men's dress. J. C. Penney Company. 182,210; renewed Apr. 1, 1944.
Shoes. Brown Shoe Company. 187,274; renewed July 29, 1944.
Shoes, gloves, socks, etc., Men's. Virginia Supply Company. 182,047; renewed Apr. 1, 1944.
Stocking feet. Alex Lee Wallau Inc. 406,379; Mar. 28.
Sweaters, bathing suits, slacks, etc. Shepherd Knitwear Company Inc. 406,355; Mar. 28; Serial No. 464,554; published Jan. 11, 1944.

CLASS 40

Fasteners, Snap. American Fastener Company. 181,503; renewed Mar. 18, 1944.
Pins, Safety. Art Wire and Stamping Company. 184,763–4; renewed June 3, 1944.

CLASS 42

Carpets, Textile. Aetna Carpet Co. 170,539; renewed July 17, 1943.
Fabric and webbing, nonelastic woven webbing, etc., Knitted, woven, and braided elastic. Moore Fabric Company. 185,677; renewed June 24, 1944.
Fabrics in the piece. William Hollins & Company, Limited. 183,709; renewed May 6, 1944.
Fabrics, Textile. Crown Fabrics Corporation. 406,390; Mar. 28.
Fabrics, Waterproof and water-repellent knitted, netted, and woven. Fred S. Bennett, Inc. 183,087–8; renewed Apr. 22, 1944.
Fabrics, Waterproof and water-repellent knitted, netted, and woven. Fred S. Bennett, Inc. 183,084; renewed Apr. 22, 1944.
Piece goods, Cotton. Whitworth & Mitchell Limited. 179,542; renewed Feb. 12, 1944.
Piece goods, Cotton. J. C. Penney Company. 184,785; renewed June 3, 1944.
Piece goods, Cotton. J. C. Penney Company. 181,788; renewed Mar. 25, 1944.
Pillowcases. J. C. Penney Company. 179,843; renewed Feb. 19, 1944.
Pillowcases and sheets. J. C. Penney Company. 183,154; renewed Apr. 22, 1944.
Sateens, Warp. Wm. Simpson, Sons & Co. 187,204; renewed July 29, 1944.

CLASS 44

Bottle, Nursing. Elsele & Co. 406,327; Mar. 28; Serial 460,566; published Jan. 18, 1944.
Napkins, Sanitary. Hospital Specialty Company. 406,395; Mar. 28.
Tampons. J. L. Younghusband. 406,350; Mar. 28; Serial No. 464,407; published Jan. 18, 1944.

CLASS 46

Bakers' products. National Biscuit Company. 182,435; renewed Apr. 8, 1944.
Biscuits, crackers, wafers, etc. National Biscuit Company. 183,434; renewed Apr. 29, 1944.
Biscuits, crackers, wafers, etc. National Biscuit Company. 184,551; renewed May 27, 1944.
Candies. Mary Fraser Candies, Inc. 178,014; renewed Jan. 1, 1944.
Candy. Pacific Coast Biscuit Company. 186,188; renewed July 1, 1944.
Candy. Trineo, Sociedad de Responsabilidad Limitada. 406,330; Mar. 28; Serial No. 461,105; published Jan. 18, 1944.
Candy and chocolates. E. A. Hoffman. 187,291; renewed July 29, 1944.
Canned and packaged foods. E. Stokby. 406,323; Mar. 28; Serial No. 457,797; published Jan. 18, 1944.
Canned fruits. West Coast Grocery Co. 406,342; Mar. 28; Serial No. 464,191; published Jan. 18, 1944.
Canned or pulverized dehydrated vegetables. Featherweight Foods, Inc. 406,329; Mar. 28; Serial No. 460,756; published Jan. 18, 1944.
Canned vegetables, canned fish, fruit preserves, and molasses. Joannes Brothers Company. 406,396; Mar. 28.
Cereal breakfast foods. Kellogg Company. 406,354; Mar. 28; Serial No. 464,540; published Jan. 18, 1944.
Chick scratch grain, buttermilk starter, hen scratch grain, etc. W. J. Lawther. 186,511; renewed July 22, 1944.
Crackers and biscuits. American Biscuit and Manufacturing Company. 24,818; re-renewed June 5, 1944.
Flour, Corn. Corn Products Refining Company. 183,051; renewed Apr. 22, 1944.
Flour, Corn. Corn Products Refining Company. 185,155; renewed June 10, 1944.
Flour, Potato. Falk Products Co. 406,393; Mar. 28.
Flour, Wheat. Robinson Milling Company. 179,030; renewed Feb. 5, 1944.
Food for infants, Specially-prepared. Mead Johnson & Company. 184,697; renewed May 27, 1944.
Fruit preserves, jams and jellies, etc. Wheeler-Barnes Company. 406,349; Mar. 28; Serial No. 464,382; published Jan. 18, 1944.

Fruits and vegetables, Fresh. Standard Growers Exchange. 179,548; renewed Feb. 12, 1944.
Fruits, Fresh citrous. Dillard & Keene Co. 181,000; renewed Mar. 11, 1944.
Fruits, Fresh citrous. Glendora Mutual Orange Association. 186,075; renewed July 1, 1944.
Fruits, Fresh citrous. Glendora Mutual Orange Association. 187,210; renewed July 29, 1944.
Grapes, Fresh. O. Farina. 406,375; Mar. 28.
Meal, graham flour, whole-wheat flour, etc., Corn. Long Beach Milling Co. 186,847; renewed July 22, 1944.
Powders, jelly. Waukesha Jelly Powder Company. 185,309; renewed June 10, 1944.
Turkeys, Dressed. Safeway Stores, Incorporated. 460,362; Mar. 28; Serial No. 464,954; published Jan. 18, 1944.
Vegetables, Dried. West Stanislaus Bean Growers Association. 406,357; Mar. 28; Serial No. 464,802; published Jan. 18, 1944.
Vegetables, Fresh. Alamo Produce Company. 406,339; Mar. 28; Serial No. 463,366; published Jan. 18, 1944.
Wheat flour and prepared wheat germ, Mixture of, Natural Vitamins, Inc. 406,381; Mar. 28.

CLASS 47

Wines. M. R. de Aranda. 406,374; Mar. 28.

CLASS 48

Beer. A. B. Stames. 406,388; Mar. 28.
Malt cereal product. American Burtonizing Company and Wallerstein Laboratories. 186,676; renewed July 22, 1944.

CLASS 49

Whiskey. Austin, Nichols & Co. 406,389; Mar. 28.

CLASS 50

Hangers, garment hangers, and shoe trees, Clothes. N. W. Orloff. 406,322; Mar. 28; Serial No. 457,046; published Jan. 18, 1944.
Toilet cases, Men's military. Marshall Field & Company. 406,321; Mar. 28; Serial No. 455,179; published Jan. 18, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Sales Book Company. (See Hageman, Louis F., assignor.)

American Telephone and Telegraph Company. (See Moody, D. L., Newby, and Shipley, assignors.)

Armington, George E., South Euclid, and R. Q. Armington, Shaker Heights, assignors to The Euclid Road Machinery Company, Euclid, Ohio. Pipe coupling. Re. 22,459; Mar. 28.

Armington, Raymond Q. (See Armington, George E. and R.)

Euclid Road Machinery Company, The. (See Armington, George E. and R., assignors.)

Hageman, Louis F., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Strip feed for typewriting machines. Re. 22,460; Mar. 28.

Kronheim, Jacob, Cleveland Heights, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Wire spring and spring structure. Re. 22,461; Mar. 28.

Lincoln, John C. (See Kronheim, Jacob, assignor.)

Moody, Dwight L., Morristown, N. D. Newby, Leonia, and F. F. Shipley, Tenafly, N. J., assignors to American Telephone and Telegraph Company. Telephone system. Re. 22,462; Mar. 28.

Newby, Neal D. (See Moody, D. L., Newby, and Shipley.)

Shipley, Frank F. (See Moody, D. L., Newby, and Shipley.)

Warner Electric Brake Manufacturing Company. (See Yost, Karl M., assignor.)

Yost, Karl M., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake. Re. 22,463; Mar. 28.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc. (See Lammerts, Walter E., assignor.)

Lammerts, Walter E., West Los Angeles, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Peach tree. 621; Mar. 28.

LIST OF DESIGN PATENTEES

Baker, Flora B., Grants Pass, Oreg. Cardboard doll. 137,551; Mar. 28.

Bissett, Enid, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Undergarment or the like for women. 137,552; Mar. 28.

Blanchette, Doris M., Chicago Heights, assignor to Bradley Manufacturing Co., Chicago, Ill. Frame for pictures, mirrors, and the like. 137,533; Mar. 28.

Bosworth, Charles S. (See Graves, J. A., and Bosworth.)

Bradley Manufacturing Co. (See Blanchette, Doris M., assignor.)

Buffenbarger, James F., assignor to The Gardner-Richardson Company, Middletown, Ohio. Bird figure. 137,534; Mar. 28.

Burbey, John E., Kansas City, Mo. Playing card. 137,553; Mar. 28.

Chatrand, Enos, et al. (See Stark, Jack, assignor.)

Cohn, Peter H., Boise, Idaho. Identification tag display unit. 137,535; Mar. 28.

Davidson, Clinton, San Diego, Calif. Whirling bowl toy. 137,521; Mar. 28.

Dernehl, Herbert U., Milwaukee, Wis. Toy pistol. 137,522; Mar. 28.

Diagraph-Bradley Stencil Machine Corporation. (See Herb, Otto J., assignor.)

Dieter, Walter G., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Window ventilator bracket. 137,569; Mar. 28.

Douglas Aircraft Company. (See Graves, J. G., and Bosworth, assignors.)

Dumore Company, The. (See Stevens, Clifford B., assignor.)

Edelmann, Leo, Chicago, Ill. Hydrometer or the like. 137,523; Mar. 28.

Fogelson, David B., Brooklyn, N. Y. Game board. 137,524; Mar. 28.

Gardner-Richardson Company, The. (See Buffenbarger, James F., assignor.)

Graves, John A., and C. S. Bosworth, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Identification badge. 137,536; Mar. 28.

Graves, John A., and C. S. Bosworth, Los Angeles, assignors to Douglas Aircraft Company Inc., Santa Monica, Calif. Identification badge. 137,537; Mar. 28.

Harris, Sam M. (See Kursh, H., and Harris.)

Herb, Otto J., assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Fountain stencil brush. 137,554; Mar. 28.

Huff, Basil D., New York, N. Y. Belt. 137,555; Mar. 28.

Jahnke, Edmund L., Minneapolis, Minn. Toy machine gun. 137,538; Mar. 28.

Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)

Libbey-Owens-Ford Glass Company. (See Dieter, Walter G., assignor.)

Kursh, Herman and S. M. Harris, Cleveland, Ohio. Set of numerals or similar articles. 137,525; Mar. 28.

Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Night latch. 137,539; Mar. 28.

Maiden Form Brassiere Company. (See Bissett, Enid, assignor.)

Marks, John C., New York, N. Y. Hat. 137,540; Mar. 28.

Meyers, Charles, New York, N. Y. Wallet. 137,556; Mar. 28.

Milkmaid Inc. (See Stengren, Jon, assignor.)

Montgomery Ward & Co. (See Swainson, Anne, assignor.)

Philippe, Alfred, Providence, R. I. Brooch pin. 137,541; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,542; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,543; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,544; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,545; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,546; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,547; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,548; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,557; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,572; Mar. 28.

Philippe, Alfred, Providence, R. I. Brooch pin. 137,573; Mar. 28.

Pons, Helene, New York, N. Y. Skirt. 137,558; Mar. 28.

Prentiss Wabers Products Co. (See Yeager, Anton J., assignor.)

Rashi, Jacob, Zanesville, Ohio. Combined can and bottle opener. 137,526; Mar. 28.

Rocké, Ivan, New York, N. Y. Joint coupling or similar article. 137,576; Mar. 28.

Ross, Howard L., New York, N. Y. Combined salt and pepper shaker. 137,527; Mar. 28.

Smith, Julia, New York, N. Y. Dress. 137,559; Mar. 28.

Smith, Julia, New York, N. Y. Dress. 137,574; Mar. 28.

Solomon, Maurice B., et al. (See Stark, Jack, assignor.)

Stark, Jack, Edgemere, assignor of one-third to M. B. Solomon and one-third to E. Chatrand, New York, N. Y. Combined serving bar and guard partition therefor. 137,570; Mar. 28.

Stark, Jack, Edgemere, assignor of one-third to M. B. Solomon and one-third to E. Chatrand, New York, N. Y. Combined serving bar and guard partition therefor. 137,571; Mar. 28.

Stengren, Jon, Forest Hills, N. Y., assignor to Milkmaid Inc., New York, N. Y. Container for cosmetics or similar articles. 137,549; Mar. 28.

Stevens, Clifford B., Milwaukee, Wis., assignor to The Dumore Company. Floor polisher. 137,560; Mar. 28.

Swainson, Anne, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Clock case or the like. 137,528; Mar. 28.

Tobler, Hans, Teaneck Township, Bergen County, N. J. Applique or the like. 137,550; Mar. 28.

Uihlein, George V., Worcester, Mass. Carpet or similar article. 137,529; Mar. 28.

Walker, Joset, New York, N. Y. Blouse. 137,561; Mar. 28.

Warner, Ernest L., Los Angeles, Calif. Calendar. 137,530; Mar. 28.

Wilkens, Emily, New York, N. Y. Dress. 137,562; Mar. 28.

Wilkens, Emily, New York, N. Y. Dress. 137,563; Mar. 28.

Wilkens, Emily, New York, N. Y. Dress. 137,564; Mar. 28.

Wilkens, Emily, New York, N. Y. Pinafore. 137,565; Mar. 28.

Wilkens, Emily, New York, N. Y. Dress. 137,566; Mar. 28.

Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)

Yeager, Anton J., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Cooking stove. 137,567; Mar. 28.

Yeager, Anton J., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Cooking stove. 137,568; Mar. 28.

Zahn, Samuel, New York, N. Y. Dress. 137,575; Mar. 28.

Zimmer, Myron J., Wood Dale, assignor to The Edward Katzinger Company, Chicago, Ill. Can opener. 137,531; Mar. 28.

Zimmer, Myron J., Wood Dale, assignor to The Edward Katzinger Company, Chicago, Ill. Can opener. 137,532; Mar. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-B-C Packaging Machine Company. (See Neal, Morris P., assignor.)

Aber, Earnest F., Racine, Wis. Manufacturing toothed elements. 2,344,953; Mar. 28.

Aber, Earnest F., Racine, Wis. Milling cutter. 2,344,954; Mar. 28.

Aber, Earnest F., Waterford, Wis. Milling machine cutter. 2,344,955; Mar. 28.

Aber, Earnest F., Waterford, Wis. Manufacturing milling cutters. 2,344,956; Mar. 28.

Adee, Chester A., et al., trustees. (See Hedlund, Folke G. H., assignor.)

Adel Precision Products Corp. (See Morehouse, Eugene M., assignor.)

Adel Precision Products Corp. (See Van Der Werff, Jacob B., assignor.)

Aerial Products, Inc. (See Anzalone, Ralph, assignor.)

Aetna-Standard Engineering Company, The. (See Matteson, Elwin A., assignor.)

Agriculture of the United States of America, Claude R. Wickard, and to his successors in office, Secretary of. (See Gooden, Ernest L., assignor.)

Agriculture, of the United States of America and his successors in office, Henry A. Wallace, as Secretary of. (See Markwardt, L. J., and Carlson, assignor.)

Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Ventre, E. K., Henry, and Gayle, assignors.)

Aiken, William H., Richmond, Va. Apparatus for removing dents. 2,345,443; Mar. 28.

Air Reduction Company. (See Anderson, James L., assignor.)

Air Reduction Company. (See Connell, Karl, assignor.)

Airtress Corporation of America. (See Perry, George H., assignor.)

Albert, Joseph, Brooklyn, and A. Ginsburg, New York, N. Y. Shock absorber for parachute jumpers. 2,345,085; Mar. 28.

Albert, Samuel. (See Eriksen, Paul, assignor.)

Albrecht, Otto. (See Graenacher, C., Sallmann, and Albrecht.)

Albrecht, Otto. (See Graenacher, C., Sallmann, Albrecht, and Frei.)

Alex, Anastasius G. (See Sargent, E. H., and Alex.)

Alien Property Custodian. (See Becker, O. W., and Braun.)

Alien Property Custodian. (See Beer, P.-F., and Anneberg.)

Alien Property Custodian. (See Born, Woldermar.)

Alien Property Custodian. (See de Lange, C., and Boucher.)

Alien Property Custodian. (See Dittrich, Walter H.)

Alien Property Custodian. (See Fink, H., and Hofstadt.)

Alien Property Custodian. (See Fründt, H. J., and Schönfeld.)

Alien Property Custodian. (See Gründêl, Frantiŝek.)

Alien Property Custodian. (See Grundmann, Christoph.)

Alien Property Custodian. (See Guggemos, H., and Treibs.)

Alien Property Custodian. (See Guinot, Henri M.)

Alien Property Custodian. (See Haseloff, J., and Wessel.)

Alien Property Custodian. (See Hentrich, W., and Kirstahler.)

Alien Property Custodian. (See Herrmann, Heinrich.)

Alien Property Custodian. (See Jansen, Karl.)

Alien Property Custodian. (See Kehne, Karl.)

Alien Property Custodian. (See Machemer, Hans.)

Alien Property Custodian. (See Müller, Adalbert.)

Alien Property Custodian. (See Nakagawa, Toyosaburo.)

Alien Property Custodian. (See Nauta, Johannes E.)

Alien Property Custodian. (See Nebel, Max.)

Alien Property Custodian. (See Opavsky, Walter.)

Alien Property Custodian. (See Osann, Bernhard.)

Alien Property Custodian. (See Panthoefer, Emil.)

Alien Property Custodian. (See Perlusz, D., and Balázs.)

Alien Property Custodian. (See Pfannmüller, W., and Reichart, assignors.)

Alien Property Custodian. (See Reynst, M. F., Rinia, Stigter, and Dorsman.)

Alien Property Custodian. (See Rossi, Giovanni.)

Alien Property Custodian. (See Schröter, K., and H.)

Alien Property Custodian. (See Ueberschuss, Albert.)

Alien Property Custodian. (See Vollrath, Paul.)

Alien Property Custodian. (See von Ardenne, Manfred.)

Alien Property Custodian. (See Waselge, Charles R.)

Alien Property Custodian. (See Wünsch, G., Kronenberger, and Bauer.)

Alien Property Custodian. (See Zeltner, J., and Genas.)

Allen-Bradley Company. (See Taylor, Julian S., assignor.)

Allis-Chalmers Manufacturing Company. (See Ray, James L., assignor.)

All-State Equipment Co. (See Suiter, George E., assignor.)

Allyn, Charles C., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Two-position switch. 2,344,938; Mar. 28.

American Anode Inc. (See Beal, Carl L., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Can Company. (See Macdonald, Alan J., assignor.)

American Cyanamid Company. (See Bradley, Theodore F., assignor.)

American Cyanamid Company. (See Cook, E. W., and Moss, assignors.)

American Cyanamid Company. (See Ericks, W. P., and Meincke, assignors.)

American Cyanamid Company. (See Ericks, W. P., and Williams, assignors.)

American Cyanamid Company. (See McClellan, P. P., and Bacon, assignors.)

American Cyanamid Company. (See Pineo, Orrin W., assignor.)

American Cyanamid Company. (See Vitalis, Emil A., assignor.)

American Cyanamid Company. (See Wohnsiedler, H. P., and Thomas, assignors.)

American Enka Corporation. (See Koch, Theodoor, assignor.)

American Maize-Products Company. (See Buchanan, B. F., and Lloyd, assignors.)

American Steel Derrick Company. (See Funk, Frank A., assignor.)

American Steel Foundries. (See Tack, Carl E., assignor.)

Amner, Harry W. (See Pruiett, C. L., and Amner.)

Amrine, Leclare H., assignor to Imperial Molded Products Corporation, Chicago, Ill. Insert for molded articles. 2,345,371; Mar. 28.

Ams, Max, Machine Company, The. (See Brenzinger, Julius, assignor.)

Anchor Manufacturing Company. (See Young, Arthur A., assignor.)

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York; N. Y. Cutting machine. 2,345,314; Mar. 28.

Anderson, John W., Danbury, Conn. Cosmetic stick expellant holder. 2,345,315; Mar. 28.

Andrews, Thomas. (See Trostler, F., Andrews, and Skelton.)

Anglo Saxon Petroleum Company, Limited. (See Lubbock, L., and Nash, assignors.)

Angst, Walter, Manhasset, N. Y., assignor to Square D Company, Detroit, Mich. Power meter. 2,345,444; Mar. 28.

Anneberg, Peter V. I. P. (See Beer, P. F., and Anneberg.)

Anzalone, Ralph, Oceanside, assignor to Aerial Products, Inc., New York, N. Y. Pistol rocket. 2,344,957; Mar. 28.

Armington, George E. (See Armington, Stewart F. and G. E.)

Armington, Stewart F., Willoughby, and G. E. Armington, South Euclid, assignors to The Euclid Road Machinery Company, Euclid, Ohio. Scraper. 2,345,313; Mar. 28.

Armitage, Joseph B., and T. F. Eserkaln, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,345,171; Mar. 28.

Armstrong Cork Company. (See Powers, Paul O., assignor.)

Armstrong, John E., Berkeley, and J. E. Piccardo, Oakland, Calif., assignors to Jacuzzi Bros., Incorporated. Pumping system. 2,344,958; Mar. 28.

Askania Regulator Company. (See Ziebolz, Herbert, assignor.)

Atlantic Refining Company, The. (See Birkhimer, Edwin R., assignor.)

Atwood, Ben F., Lakeland, Fla. Transmission and modulation of light beams. 2,345,445; Mar. 28.

Autogiro Company of America. (See Bennett, James A. J., assignor.)

Autogiro Company of America. (See Campbell, Harris S., assignor.)

Automatic Electric Laboratories, Inc. (See Herrick, Roswell H., assignor.)

Automatic Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)

Automatic Electric Laboratories, Inc. (See Nelson, Martin L., assignor.)
Automatic Electric Laboratories, Inc. (See Willis, Bernard D., assignor.)
Automotive Products Company Limited. (See Simpson, John K., assignor.)
Avery, Steven B., Philadelphia, Pa., assignor to The Ruberoid Co., New York, N. Y. Apparatus for extrusion of plastic material in tubular form. 2,344,959; Mar. 28.
Aviation Patents, Inc. (See Houghton, Howard D., assignor.)
Ayers, Fred L., Watertown, Mass. Shoe and making same. 2,345,372; Mar. 28.
Ayers, Maurice D., Pittsburgh, Pa. Uncoiling apparatus. 2,345,373; Mar. 28.
Aywon Dress Co. Inc. (See Bayes, Lucille, assignor.)
Babineau, Rosaire, Pointe-aux-Trembles, Quebec, Canada. Filing device. 2,345,228; Mar. 28.
Bacon, Jack C. (See McClellan, P. P., and Bacon.)
Bacon, Thomas P., Oakland, Calif. Tire retreading apparatus. 2,345,172; Mar. 28.
Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Toy. 2,345,173; Mar. 28.
Bailey Meter Company. (See Luhrs, John F., assignor.)
Bailey, Otterbein A., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Lifter roof. 2,345,174; Mar. 28.
Bailey, Rand S., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Through and inward telegraph exchange system. 2,345,316; Mar. 28.
Bailey, Rand S., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Satellite telegraph switching system. 2,345,317; Mar. 28.
Baker, William E., Swanton, Ohio. Apparatus for handling liquids. 2,345,446; Mar. 28.
Bakewell, Harding F., San Marino, Calif. Radial precision tapping machine. 2,345,318; Mar. 28.
Balázs, Ernest. (See Perlusz, D., and Balázs.)
Ballard & Ballard Company. (See Willoughby, Lively B., assignor.)
Bannister, Clyde E., Tulsa, Okla. Percussion type motor assembly. 2,345,024; Mar. 28.
Barber-Colman Company. (See Lilja, Edgar D., assignor.)
Barmack, Boris J., Chicago, Ill. Insulation for electrical conductors. 2,345,229; Mar. 28.
Bassist, Ellis, assignor to W. C. Toland, Brookline, Mass. Continuous-tone printing plates. 2,345,447; Mar. 28.
Bauer, Karl. (See Wünsch, G., Kronenberger, and Bauer.)
Bay State Optical Company. (See Nerney, George E., assignor.)
Bayer, Charles H., Wynnewood, Pa., assignor to General Electric Company. Electric switch. 2,345,374; Mar. 28.
Bayes, Lucille, Basking Ridge, N. J., assignor to Aywon Dress Co. Inc., New York, N. Y. Padded garment construction. 2,345,527; Mar. 28.
Baynes, Leslie E. (See Maclaren, O. F., and Baynes.)
Beal, Carl L., Cuyahoga Falls, assignor to American Anode Inc., Akron, Ohio. Deposition form and making the same. 2,344,960; Mar. 28.
Becker, Oskar W., Heidelberg, and E. Braun, Weinheim, Baden, Germany; vested in the Alien Property Custodian. Apparatus for the manufacture of artificial sausage skins. 2,345,086; Mar. 28.
Beer, Palle-Finn, and P. V. I. P. Anneberg, Copenhagen, Denmark; vested in the Alien Property Custodian. Motor for sound recording apparatus. 2,345,087; Mar. 28.
Bell, Forrest F., assignor to Curtis Companies Incorporated, Clinton, Iowa. Weather seal construction. 2,345,088; Mar. 28.
Beiter, George, Long Island City, assignor to Steinway & Sons, New York, N. Y. Securing means for adhesively held parts. 2,345,025; Mar. 28.
Bell Aircraft Corporation. (See De Gray, William G., assignor.)
Bell Aircraft Corporation. (See Howe, Smith B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bailey, Rand S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dowey, T. L., and Lovell, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dubuar, Arthur S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Goff, H. W., Moore, and Walter, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hall, Nathan I., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, F. A., Matthies, and Myers, assignors.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nylund, Harry W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Willard, Gerald W., assignor.)
Bender, Sydney E., assignor to T. Shandal, Brooklyn, N. Y. Record holder. 2,345,230; Mar. 28.
Bendix Aviation Corporation. (See Goepfrich, Rudolph A., assignor.)
Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)
Bendix Aviation Corporation. (See Neuner, Martin, assignor.)
Bendix Aviation Corporation. (See White, John W., assignor.)
Bendix Aviation Corporation. (See Wirth, E. O., and Lum, assignors.)
Benham, Emmett D. (See Rosenleaf, J. R., and Benham.)
Benjamin, Sidney H., Milwaukee, Wis. Nonrefillable container. 2,344,961; Mar. 28.
Benjamin, Sidney H., Milwaukee, Wis. Unitary blade magazine and blade magazine holder. 2,344,962; Mar. 28.
Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Apparatus for welding pipe sections. 2,344,939; Mar. 28.
Bennett, James A. J., Esher, Surrey, England, assignor, by mesne assignments, to Autogiro Company of America. Helicopter and gyroplane. 2,344,967; Mar. 28.
Bennett, Robert M., Ithan, Pa., assignor to General Electric Company. Electric circuit breaker. 2,345,375; Mar. 28.
Benowitz, Aaron, Hicksville, N. Y. Shoelace. 2,344,963; Mar. 28.
Beohm, Earl E. (See Myers, E. E., and Beohm.)
Bertram, Edward A., Mount Vernon, and D. Fulton, Flushing, assignors to The Lummus Company, New York, N. Y. Heat exchange. 2,345,319; Mar. 28.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,345,448; Mar. 28.
Birkhimer, Edwin R., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oils. 2,345,449; Mar. 28.
Blair, George W. (See Bodle, V. H., and Blair.)
Blakeslee, G. S., & Co. (See Karp, Edward J., assignor.)
Blanc, Adolph L., Chicago, Ill. Trimming board. 2,345,450; Mar. 28.
Blauvelt Associates, Inc. (See Blauvelt, W. S., and Curry, assignors.)
Blauvelt, Warren S., Ann Arbor, Mich., and N. A. Curry, assignors to Blauvelt Associates, Inc., Troy, N. Y. Furnace. 2,345,231; Mar. 28.
Bodle, Virgil H., and G. W. Blair, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Making flocked floor coverings. 2,345,376; Mar. 28.
Bolesky, John D., assignor to Metals & Controls Corporation, Attleboro, Mass. Switch. 2,345,451; Mar. 28.
Booth, John G., Philadelphia, and L. Gess, Jenkintown, assignors to The Brown Instrument Company, Philadelphia, Pa. Temperature responsive device. 2,345,175; Mar. 28.
Borg-Warner Corporation. (See Doderer, Adolph W., assignor.)
Born, Woldemar, Stuttgart, Germany; vested in the Alien Property Custodian. Gun barrel. 2,345,089; Mar. 28.
Boucher, Charles L. (See de Lange, C., and Boucher.)
Boushelle, Charles A., Chicago, Ill. Rug stretcher. 2,345,232; Mar. 28.
Bowen, Jessie, Wardville, Okla. Sleeping tent. 2,345,377; Mar. 28.
Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Piston ring means. 2,345,176; Mar. 28.
Boyer, Harold H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,345,452; Mar. 28.
Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic level control. 2,345,026; Mar. 28.
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,345,453; Mar. 28.
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,345,454; Mar. 28.
Brace, Porter H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Mercury detecting method and apparatus. 2,345,090; Mar. 28.
Brace, Porter H., and C. S. Williams, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electromagnetic testing machine chuck. 2,345,091; Mar. 28.
Bradford, William G., Whittier, Calif. Perforation cleaner for pipe. 2,345,027; Mar. 28.
Bradley, Gordon P., Vancouver, British Columbia, Canada. Engine cooling apparatus. 2,345,233; Mar. 28.
Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkyd resin and preparing the same. 2,345,528; Mar. 28.
Bradshaw, William M., Summit, N. J., assignor to Westingtonhouse Electric & Manufacturing Company, East Pitsburgh, Pa. Measuring instrument. 2,345,028; Mar. 28.

Brandegee, Morris M., Plainfield, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Oil gas generator. 2,345,529; Mar. 28.
Brandt, Robert L. (See Ross, J., Brandt, and Percy.)
Brandt, Robert L., assignor to Coffee Products Corporation, New York, N. Y. Coffee extraction process. 2,345,378; Mar. 28.
Brantingson, Sigurd. See Voight, H. G., and Brantingson.)
Braun, Emil. (See Becker, O. W., and Braun.)
Brennan, Joseph B., Cleveland, Ohio. Pump. 2,344,964; Mar. 28.
Brenzinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Preserving coffee. 2,345,320; Mar. 28.
Breslau, Harold R., Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md. Automatic level controlling mechanism. 2,345,092; Mar. 28.
Bridge, David, & Company Limited. (See Brown, Joseph, assignor.)
Briney, Ottis R., Jr., Pontiac, Mich. Method and apparatus for grinding ball seats in steel articles. 2,345,177; Mar. 28.
Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Organic cyanine base. 2,345,094; Mar. 28.
Brooker, Leslie G. S., and W. W. Williams, assignors to Eastman Kodak Company, Rochester, N. Y. Dye intermediates. 2,345,093; Mar. 28.
Brooks, Thomas E., assignor to Lisle Corporation, Clarinda, Iowa. Magnetic plug. 2,345,029; Mar. 28.
Brown Instrument Company, The. (See Booth, J. G., and Gess, assignors.)
Brown Instrument Company, The. (See Jones, Harry S., assignor.)
Brown, Joseph, assignor to David Bridge & Company Limited, Castleton, Rochdale, England. Bearing for rolling mills, mixers, and calenders. 2,345,321; Mar. 28.
Brumfield, Orlando L., Pineville, La. Plant support. 2,345,455; Mar. 28.
Bruner, Frank H., Beacon, L. A. Clarke, Fishkill, and R. L. Sawyer, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,345,095; Mar. 28.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Aldehyde condensation products of s-benzyl thioammeline. 2,345,456; Mar. 28.
Buchanan, Ben F., Leonia, N. J., and R. L. Lloyd, Laurelton, N. Y., assignors to American Maize-Products Company. Partially gelatinized starch and protein mixture. 2,345,322; Mar. 28.
Buckner Manufacturing Company. See Buckner, William A., assignor.)
Buckner, William A., assignor to Buckner Manufacturing Company, Fresno, Calif. Sprinkler. 2,345,030; Mar. 28.
Buffalo Electro-Chemical Company. (See Hyatt, Harlow G., assignor.)
Bullows, Richard J., assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England. Trimming mechanism for grinding wheels. 2,345,323; Mar. 28.
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Leg assembly for composite metal and wood furniture. 2,345,178; Mar. 28.
Burg, Homer L., Dallas City, Ill. Molding sand milling machine. 2,345,457; Mar. 28.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Catalytic conversion of hydrocarbons. 2,345,096; Mar. 28.
Buss, Alfred B. (See Conway, Thomas J., and Buss.)
Butenandt, Adolf, Danzig-Langfuhr, Freestate Danzig, and L. Strassberger, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Derivatives of 3.17-diols of the cyclopentano polyhydrophenanthrene series and producing the same. 2,344,965; Mar. 28.
Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Treating fatty oils. 2,345,097; Mar. 28.
Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Saponifying vitamin-containing fatty material. 2,345,098; Mar. 28.
Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Treating fish livers. 2,345,099; Mar. 28.
Bylund, Eric. (See Jepson, I., and Bylund.)
Bylund, Eric. (See Jepson, I., Koci, and Bylund.)
Byers, Robert, Hancock, Md. Separating tool. 2,345,324; Mar. 28.
Byard Manufacturing Company, Limited. (See Marder, E. P., and Green, assignors.)
Byard Manufacturing Company Limited. (See Hunter, Albert E., assignor.)
Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft equipped with sustaining rotors. 2,344,966; Mar. 28.
Campbell, James A., Oakland, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Drain valve mechanism. 2,345,379; Mar. 28.
Carbide and Carbon Chemicals Corporation. (See Chitwood, Henry C., assignor.)
Carbide and Carbon Chemicals Corporation. (See Schuh, Charles H., assignor.)
Carithers, James H., Bentonville, Ark. Multiple clip magazine for rifles. 2,345,031; Mar. 28.
Carlson, George, et al., trustees. (See Hedlund, Folke G. H., assignor.)
Carlson, Thorwald A. (See Markwardt, L. J., and Carlson.)
Carmody, Henry F., et al. (See McLeod, James K., assignor.)
Carnegie-Illinois Steel Corporation. (See Houk, Mansel E., assignor.)
Carnegie-Illinois Steel Corporation. (See Grossett, William W., assignor.)
Caron, Joseph V., Detroit, Mich. Wheel applying device. 2,345,458; Mar. 28.
Carter, Thomas A., Jr., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting structure. 2,345,234; Mar. 28.
Carter, Thomas A., Jr., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting fixture. 2,345,235; Mar. 28.
Castricum, Martin, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Drier for yarns or cords. 2,345,032; Mar. 28.
Celanese Corporation of America. (See Croft, C. M., and hindle, assignors.)
Celanese Corporation of America. (See Seymour, G. W., and Salvin, assignors.)
Celotex Corporation, The. (See Swenson, George E., assignor.)
Chemical Foundation, Incorporated, The. (See Christensen, Leo M., assignor.)
Chenette, Joseph C., Flat Rock, Mich. Lifting and portable moving iron. 2,345,381; Mar. 28.
Cheston, Arthur S., et al. (See Corber, Frederick H., assignor.)
Cheston, Basil, et al. (See Corber, Frederick H., assignor.)
Chibnik, Elhanan S., Brooklyn, assignor to Eastern Trading Company, New York, N. Y. Method and device for waving hair. 2,345,459; Mar. 28.
Chicago Bridge & Iron Company. (See Bailey, Otterbein A., assignor.)
Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)
Chicago Flexible Shaft Company. (See Jepson, I., and Bylund, assignors.)
Chicago Flexible Shaft Company. (See Jepson, I., Koci, and Bylund, assignors.)
Chisholm-Ryder Company. (See De Back, William, assignor.)
Chitwood, Henry C., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Making piperazine compounds. 2,345,236; Mar. 28.
Chitwood, Henry C., Charleston, and R. W. McNamee, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Piperazino-piperazines. 2,345,237; Mar. 28.
Christaldi, Peter S., Upper Montclair, A. Steadman, Nutley, and D. T. Wilber, Clifton, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Making lasting records. 2,345,549; Mar. 28.
Christensen, Leo M., Atchison, Kans., assignors to The Chemical Foundation, Incorporated. Treatment of distillery residues. 2,345,238; Mar. 28.
Chromogen, Incorporated. (See Gáspár, Béla, assignor.)
Chrysler Corporation. (See Fishburn, Otto E., assignor.)
Chrysler Corporation. (See Keller, Kaufman T., assignor.)
Chrysler Corporation. (See Mulhern, William A., assignor.)
Chrysler Corporation. (See Pennington, Gordon R., assignor.)
Chrysler Corporation. (See Thomas, Ulysses L., assignor.)
Chrysler Corporation. (See Wallace, David A., assignor.)
Church, Joseph H., Austin, Minn., and G. J. Kessenich, Madison, Wis. Fuse. 2,344,968; Mar. 28.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sheet metal fabric clip. 2,345,325; Mar. 28.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Reinforced fastener socket member. 2,345,326; Mar. 28.
Ciba Pharmacentical Products, Incorporated. (See Miescher, Karl, assignor.)
Claffey, Joseph B., Philadelphia, Pa., assignor to The United Gas Improvement Company. Treatment of gas scrubbing agents. 2,344,969; Mar. 28.
Clarke, Louis A. (See Bruner, F. H., Clarke, and Sawyer.)
Claybourn, Glen L., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal-clad switchgear. 2,345,033; Mar. 28.
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Chain-stitch sewing machine. 2,345,327; Mar. 28.

Clayton, James O. (See Kavanagh, F. W., Farrington, and Clayton.)

Close, John W., Lombard, and C. H. Hoot, Chicago, Ill., assignors to United Wall Paper Factories, Inc. Treatment of printing felts. 2,345,179; Mar. 28.

Cochrane Corporation. (See Rohlin, Victor A., assignor.)

Coderre, Patrick E. E., Port Chester, N. Y. Snowplow attachment for toys. 2,345,460; Mar. 28.

Coffee Products Corporation. (See Brandt, Robert L., assignor.)

Cohen, Jos. S., & Sons Co. (See Elkes, Jacob, assignor.)

Coleman Lamp and Stove Company, The. (See Martin, Russell, assignor.)

Colgate-Palmolive-Peet Company. (See Miles, Gilbert De W., assignor.)

Colgate-Palmolive-Peet Company. (See Miles, G. D., Jakob, and Percy, assignors.)

Colgate-Palmolive-Peet Company. (See Ross, J., Brandt, and Percy, assignors.)

Collins & Aikman Corporation. (See Gardner, Alexander H., assignor.)

Combustion Utilities Corporation. (See Brandegee, Morris M., assignor.)

Connell, Karl, Branch, assignor to Air Reduction Company, Incorporated, New York, N. Y. Breathing system canister arrangement. 2,345,530; Mar. 28.

Continental Oil Company. (See Bennett, Edwin O., assignor.)

Conway, Thomas J., and A. B. Buss, Lake Crystal, Minn. Farm vehicle body. 2,345,328; Mar. 28.

Cook, Elmer W., New York, N. Y., and P. H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Lubricating oil. 2,345,239; Mar. 28.

Cook, Merle A., Boulder City, Nev. Specific gravity indicator. 2,345,180; Mar. 28.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,345,461; Mar. 28.

Cooper, William B., and E. J. Seabold, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for annealing. 2,345,181; Mar. 28.

Copp, Nelson H., assignor of one-half to H. J. Nagle and one-half to R. A. Nagle, Rochester, N. Y. Antiskid device for the tires of motor vehicle wheels. 2,344,970; Mar. 28.

Copp, Nelson H., assignor of one-half to H. J. Nagle and one-half to R. A. Nagle, Rochester, N. Y. Antiskid chain for vehicles. 2,344,971; Mar. 28.

Copp, Nelson H., assignor of one-half to H. J. Nagle and one-half to R. A. Nagle, Rochester, N. Y. Antiskid means for vehicle wheels. 2,344,972; Mar. 28.

Corber, Frederick H., Chester, assignor of one-third to A. S. Cheston, one-third to E. C. Edmonds, and one-third to B. Cheston, Birmingham, England. Adjustable seat. 2,345,182; Mar. 28.

Core Laboratories, Inc. (See Horner, William L., assignor.)

Cotton, Earl I., Lucerne, Wash. Drill bit sharpening mechanism. 2,345,100; Mar. 28.

Coughlin, Daniel J., Uddevalla, Sweden. Cutting tool holder. 2,345,462; Mar. 28.

Cox, Charles L., Jr., assignor to Robert Hetherington and Son, Inc., Sharon Hill, Pa. Switch. 2,345,240; Mar. 28.

Cox, Robert R., La Junta, Colo. Article of food and making the same. 2,345,463; Mar. 28.

Coyle, John F., Mitchell, Nebr. Potato digger. 2,345,241; Mar. 28.

Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,345,034; Mar. 28.

Cramer, Bruce, Tolland, Conn. Illuminating apparatus. 2,345,382; Mar. 28.

Crecelius, Samuel B. (See Rheineck, A. E., and Crecelius.)

Croft, Cyril M., and W. H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America. Dyeing cellulose derivatives. 2,344,973; Mar. 28.

Croft, Cyril M., and W. H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America. Dyeing cellulose derivatives. 2,344,974; Mar. 28.

Crompton & Knowles Loom Works. (See Fletcher, N., and Robb, assignors.)

Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulator. 2,345,101; Mar. 28.

Crowell, Henry B., Hoquiam, Wash. Self-feeding stove. 2,345,329; Mar. 28.

Crown Cork & Seal Company. (See Cooper, W. B., and Seabold, assignors.)

Curry, Nolan A. (See Blauvelt, W. S., and Curry.)

Curtis Companies Incorporated. (See Bell, Forrest F., assignor.)

Curtis, John S., Tulare, Calif. Mowing machine. 2,345,383; Mar. 28.

Cyr, Rene E., Lewiston, Maine. Lifting utensil. 2,345,183; Mar. 28.

Daily, Robert A., Muncie, Ind., and W. C. Pritchard, Lawton, Okla., assignors to General Motors Corporation, Detroit, Mich. Manufacture of storage batteries. 2,345,035; Mar. 28.

Dannenbaum, Hans. (See Logemann, W., and Dannenbaum.)

De Back, William, assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Can conveying and transfer apparatus. 2,344,975; Mar. 28.

De Castro, Arthur, Newark, assignor to National Oil Products Company, Harrison, N. J. Mercerising penetrant. 2,345,036; Mar. 28.

Deere & Company. (See Maxon, I. D., Sklovsky, and Nordenson, assignors.)

Deere & Company. (See Strandlund, Carl G., assignor.)

De Ganahl, Carl, Trenton, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation. Hydraulic actuating mechanism. 2,345,531; Mar. 28.

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Safety device for instruments. 2,345,464; Mar. 28.

De Gray, William G., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Spot welding method. 2,345,037; Mar. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,344,976; Mar. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,344,977; Mar. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,344,978; Mar. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,344,979; Mar. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,344,980; Mar. 28.

De Lange, Cornelis, and C. L. Boucher, Eindhoven, Netherlands; vested in the Alien Property Custodian. Blocking-layer rectifier comprising a cooling plate. 2,345,038; Mar. 28.

Deloghia, Louis E., Agawam, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Handling device. 2,344,940; Mar. 28.

Dentists' Supply Company of New York, The. (See Thornton, Henry M., assignor.)

Derr, Willard A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control and signal system. 2,345,039; Mar. 28.

Detroit Lubricator Company. (See Landon, Walter S., assignor.)

Dettwyler, William, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,344,981; Mar. 28.

Deutsch, Alexander T., Cincinnati, Ohio, assignor of twenty per cent to C. Tietig, Covington, Ky. Folding chair. 2,345,330; Mar. 28.

Devoe and Raynolds Company. (See Rheineck, A. E., and Crecelius, assignors.)

Dias, Sebastiao L., Bethlehem, Pa. Irrigation control system. 2,345,466; Mar. 28.

Dick, Winfred O., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pipe bending tool. 2,345,102; Mar. 28.

Diedrich, Paul. (See Dohrn, M., and Diedrich.)

Dietz, Sylvia, South Norwalk, Conn. Gauge. 2,345,103; Mar. 28.

Dittrich, Walter H., Burgstadt, Germany; vested in the Alien Property Custodian. Apparatus for moving tool means in an irregular path. 2,345,104; Mar. 28.

Dixon, Joseph, Crucible Company. (See White, S. J., Simpson, and Meola, assignors.)

Doderer, Adolph W., assignor to Borg-Warner Corporation, Chicago, Ill. Platen for rolling apparatus. 2,345,467; Mar. 28.

Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug, Osthavelland, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J. Poly iodized derivatives of the hydroxy diphenyl carboxylic acids and preparing the same. 2,345,384; Mar. 28.

Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug, Ostbavelland, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J. Pyrazolone salts of sulphonamides. 2,345,385; Mar. 28.

Dono, George E., and R. H. Goddard, Oxford, assignors to Morris Motors Limited, Cowley, Oxford, England. Heat interchange apparatus. 2,345,331; Mar. 28.

Donovan, James M., assignor to M. A. Donovan, Chicago, Ill. Garment belt. 2,345,242; Mar. 28.

Donovan, Marie A. (See Donovan, James M., assignor.)

Dorfman, Hiller D., Forest Hills, and L. W. Dyer, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,345,105; Mar. 28.

Dornheim, Otto. (See Krzikalla, H., Dornheim, and Pfitzner.)

Dorsman, Cornelis. (See Reynst, M. F., Rinia, Stigter and Dorsman.)

Douglas Aircraft Company. (See Hurst, James G., assignor.)

Dowey, Thomas L., and C. A. Lovell, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin signaling device. 2,345,040; Mar. 28.

Doyle, Arthur J., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Bulk materials container. 2,345,468; Mar. 28.

Dubuar, Arthur S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,345,386; Mar. 28.

Dugaw, Eugene, Tacoma, Wash. Patch. 2,345,469; Mar. 28.

Du Mont, Allen B., Laboratories, Inc. (See Christaldi, P. S., Steadman, and Wilber, assignors.)

Du Pont, E. I., de Nemours & Company. (See Dettwyler, William, assignor.)

Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lewis, Everett V., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wirthington, Hood, assignor.)

Dutch, Emery, Bronx, N. Y. Apparatus for developing of paper photo copies. 2,344,941; Mar. 28.

Dyer, John B., assignor to General Motors Corporation, Dayton, Ohio. Method of washing. 2,344,982; Mar. 28.

Dyer, Lloyd W. (See Dorfman, H. D., and Dyer.)

Eeakin, Willard D., Northampton Township, Summit County, Ohio. Aquatic figure and apparatus for actuating the same. 2,345,243; Mar. 28.

Eason, Clarence M., Waukesha, Wis. Clutch operating mechanism. 2,345,244; Mar. 28.

Eastern Trading Company. (See Chibnik, Elhanan S., assignor.)

Eastman Kodak Company. (See Brooker, L. G. S., and Williams, assignors.)

Eastman Kodak Company. (See Malm, Carl J., assignor.)

Edfors, Sven E., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Builder motion for spinning and twister frames. 2,345,245; Mar. 28.

Edgar, Doris A., Spokane, Wash. Washing apparatus. 2,345,185; Mar. 28.

Edmonds, Edward C., et al. (See Corber, Frederick H., assignor.)

Edwards, Ralph, Osceola, Ind. Cream extractor. 2,345,470; Mar. 28.

Ehrsam, J. B., & Sons Manufacturing Company, The. (See Rosenleaf, J. R., and Benham, assignors.)

Elka, Paul P., Minneapolis, Minn. Expansible mandrel. 2,345,246; Mar. 28.

Elkes, Jacob, assignor to Jos. S. Cohen & Sons Co., Inc., New York, N. Y. Placket closure for full-length garments. 2,345,186; Mar. 28.

Ellis, John H., and L. B. Stark, Neihart, Mont. Reagent feeder. 2,345,332; Mar. 28.

Elsey, Howard M., Oakmont, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Testing refrigerator cabinets. 2,345,387; Mar. 28.

Emsco Derrick & Equipment Company. (See Whann, J. P., and Zumeta, assignor.)

Ericks, Walter P., Cos Cob, and E. R. Meincke, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Esters of sulphotricarballylic acids. 2,345,041; Mar. 28.

Ericks, Walter P., Cos Cob, and J. H. Williams, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Substituted guanidine salts of alkyl phosphoric acids and their preparation. 2,345,388; Mar. 28.

Erickson, Arthur F., San Francisco, Calif. Gas burner. 2,345,247; Mar. 28.

Ericson, Alfred G. (See Granberg, B. R., and Ericson.)

Eriksen, Paul, Lansdowne, assignor of seventy-five per cent to S. Albert, Philadelphia, Pa. Electric welding handle. 2,345,532; Mar. 28.

Erps, Fritz H., Silver Cliff, Colo. Automotive vehicle glare shield. 2,345,106; Mar. 28.

Eserkaln, Theodore F. (See Armitage, J. B., and Eserkaln.)

Euclid Road Machinery Company, The. (See Armington, Stewart F. and G. E., assignors.)

Evans, Rita M., Pelham Manor, N. Y. Footwear. 2,345,187; Mar. 28.

Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Vehicle spring suspension. 2,344,983; Mar. 28.

Falls, Eugene K., Potsdam, assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Maximum capacity safety valve. 2,345,389; Mar. 28.

Farber, Simon W., Brooklyn, N. Y. Mounting ferrule and handle for utensils. 2,345,248; Mar. 28.

Farrington, Bruce B. (See Kavanagh, F. W., Farrington, and Clayton.)

Fauver, Edward H., et al., administrators. (See Lavoie, Alphonse J.)

Fenske, Merrell R., State College, Pa., assignor to The Pennsylvania Research Corporation. Process and apparatus for fractional distillation. 2,344,984; Mar. 28.

Ferriroli, Peter, San Francisco, Calif. Telescopic sight mount for rifles. 2,345,249; Mar. 28.

Fink, Heinrich, and R. Hofstadt, Rottweil-on-the-Neckar, Germany; vested in the Alien Property Custodian. Manufacture of solutions of cellulose in sulphuric acid. 2,345,333; Mar. 28.

Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Synchronizer. 2,345,250; Mar. 28.

Fletcher, Norman, Worcester, and W. Y. Robb, Whitinsville, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Brake for Axminster loom pull-over shafts. 2,345,334; Mar. 28.

Flory, Leslie E. (See Morton, G. A., and Flory.)

Flosdorf, Earl W., Upper Darby, and F. J. Stokes, assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Method and apparatus for desiccating sera, biologicals, and other materials. 2,345,548; Mar. 28.

Flynn, Edward J., Schenectady, N. Y., assignor to General Electric Company. Enameling rectangular wire. 2,345,390; Mar. 28.

Foell, Adolph L., Cleveland, Ohio. Cooling plate for blast furnace in walls and mantles. 2,345,188; Mar. 28.

Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)

Folmer Graflex Corporation, The. (See Smith, Byron L., assignor.)

Ford, Frank R., Sparkbrook, Birmingham, England. Duplicating machine. 2,345,335; Mar. 28.

Foster, Edward E. (See Lilley, S. C., and Foster.)

Foster, Edwin E., Austin, Tex. Ironing device. 2,345,251; Mar. 28.

Fountain, William M., San Francisco, assignor, by mesne assignments, of one-fourth to W. F. Wood, Piedmont, Calif. Differential. 2,345,252; Mar. 28.

Fox, John H., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Bullet-resisting glass. 2,345,336; Mar. 28.

Fraser, Warren F., Westboro, Mass. Grinding machine. 2,345,189; Mar. 28.

Frei, Jost. (See Graenacher, C., Sallmann, Albrecht, and Frei.)

Freund, Harry, Chicago, Ill., assignor to United Wall Paper Factories, Inc. Packaging of wallpapering material. 2,345,190; Mar. 28.

Freygang, Gustav G., Weehawken, assignor to Specialties Manufacturing Company, Inc., Bloomfield, N. J. Sealing gasket for syphon bottles and the like. 2,344,985; Mar. 28.

Fründt, Hans J., and W. Schönfeld, Berlin, Germany; vested in the Alien Property Custodian. Fault indicator device for amplifier tubes. 2,345,042; Mar. 28.

Fulton, David. (See Bertram, E. A., and Fulton.)

Funk, Frank A., assignor to American Steel Derrick Company, Tulsa, Oklahoma. Portable derrick. 2,345,253; Mar. 28.

Gage, Frederick, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Treatment of pigments. 2,345,191; Mar. 28.

Gagnier, George E. (See Place, Bion C., assignor.)

Gardner, Alexander H., Passaic, N. J., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Dampener mechanism. 2,345,337; Mar. 28.

Garnett, Edward V. (See Garnett, Vactor G. and E. V.)

Garnett, Vactor G. and E. V., Denver, Colo. Independently movable dual wheel construction for vehicles. 2,345,192; Mar. 28.

Gáspár, Béla, Brussels-Forest, Belgium, assignor to Chromogen, Incorporated. Organic dye. 2,345,193; Mar. 28.

Gateway City Transfer Company. (See Larson, Lawrence, assignor.)

Gayle, Fred L. (See Ventre, E. K., Henry, and Gayle.)

Gear Grinding Company Limited, The. (See Bullows, Richard J., assignor.)

Genas, Michallas. (See Zeltner, J., and Genas.)

General Aniline & Film Corporation. (See Krzikalla, H., Dornheim, and Pfitzner, assignors.)

General Aniline & Film Corporation. (See Reppe, W., Hecht, and Oschatz, assignors.)

General Electric Company. (See Bayer, Charles H., assignor.)

General Electric Company. (See Bennett, Robert M., assignor.)

General Electric Company. (See Flynn, Edward J., assignor.)

General Electric Company. (See Hanna, Max R., assignor.)

General Electric Company. (See Hutchings, John H., assignor.)

General Electric Company. (See Mason, Charles R., assignor.)

General Electric Company. (See Mueller, Adolf G., assignor.)

General Electric Company. (See Palme, A., and Urbanek, assignors.)

General Electric Company. (See Rhoads, James C., assignor.)

General Electric Company. (See Rich, Theodore A., assignor.)

General Electric Company. (See Sias, Frederick R., assignor.)

General Electric Company. (See Van Alstyne, Arthur J., assignor.)

General Electric Company. (See Warrington, Albert R. Van C., assignor.)
General Motors Corporation. (See Daily, R. A., and Pritchard, assignors.)
General Motors Corporation. (See Dyer, John B., assignor.)
General Motors Corporation. (See Holmes, J. Q., and Sample, assignors.)
General Motors Corporation. (See Schweller, Edmund F., assignor.)
General Tire & Rubber Company. (See Pfeiffer, Paul O., assignor.)
Gess, Louis. (See Booth, J. G., and Gess.)
Gessner, David, deceased; G. C. Gessner, executrix, assignor to David Gessner Company, Worcester, Mass. Humidifying apparatus. 2,344,942; Mar. 28.
Gessner, David, Company. (See Gessner, David, assignor.)
Gessner, Gertrude C., executrix. (See Gessner, David.)
Glammatteo, Charles. (See Judd, C. H., and Glammatteo.)
Gilbert, William L., Clock Corporation. (See Jauch, Christian, assignor.)
Ginsburg, Arthur. (See Albert, J., and Ginsburg.)
Goddard, Ronald H. (See Dono, G. E., and Goddard.)
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,345,107; Mar. 28.
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,345,108; Mar. 28.
Goff, Harold W., Manhasset, N. Y., C. R. Moore, Maplewood, and O. L. Walter, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed governor for call transmitters. 2,345,471; Mar. 28.
Goldberg, Mark J., Spring Lake, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Liquid dispensing apparatus. 2,345,338; Mar. 28.
Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Remote control system. 2,345,472; Mar. 28.
Gooden, Ernest L., Takoma Park, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Adjustable resistor for flowmeters. 2,344,943; Mar. 28.
Goodrich, B. F., Company, The. (See Haren, U. C., and Sapp, assignors.)
Goodrich, B. F., Company, The. (See Krotz, Alvin S., assignor.)
Goodrich, B. F., Company, The. (See Mathes, Roger A., assignor.)
Graenacher, Charles, Riehen, R. Sallmann, Bottmingen, and O. Albrecht, Basel, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of thiourea condensation products. 2,345,109; Mar. 28.
Graenacher, Charles, Riehen, R. Sallmann, Bottmingen, O. Albrecht, Munchenstein, and J. Frei, Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Improving fibrous material and the material treated by such a process. 2,345,110; Mar. 28.
Graff, John B., assignor to Gunn Furniture Company, Grand Rapids, Mich. Typewriter desk. 2,345,254; Mar. 28.
Granberg, Bengt R., and A. G. Ericson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Feed screw mechanism. 2,345,194; Mar. 28.
Grand Rapids Store Equipment Company. (See Carter, Thomas A., Jr., assignor.)
Graves, George De W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Incorporating finely divided materials in molten compositions. 2,345,533; Mar. 28.
Green, William N. (See Marder, E. P., and Green.)
Greenlee Bros. & Co. (See Mansfield, Judson H., assignor.)
Griffith, Raymond C. (See Herman, K. R., and Griffith.)
Grim, Forrest D., Allentown, Pa., assignor to Trojan Powder Company. Luting machine. 2,345,534; Mar. 28.
Gross, Charles V., Penfield, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental impression compound. 2,345,255; Mar. 28.
Grossett, William W., Munhall, Pa., assignor to Carnegie-Illinois Steel Corporation. Stripper tong. 2,345,391; Mar. 28.
Grossman, Samuel L., Los Angeles, Calif. Bed divan. 2,345,392; Mar. 28.
Grundêl, Franti̇šek, Napajedla, Bohemia and Moravia; vested in the Alien Property Custodian. Molding plastic layers. 2,345,112; Mar. 28.
Grundmann, Christoph, Dessau, Germany; vested in the Alien Property Custodian. Producing higher polyenals. 2,345,111; Mar. 28.
Guggemos, Herbert, and A. Treibs, Munich, Germany; vested in the Alien Property Custodian. Producing butadiene. 2,345,113; Mar. 28.
Guinot, Henri M., Niort, France; vested in the Alien Property Custodian. Esterification of olefins. 2,345,114; Mar. 28.
Gunn Furniture Company. (See Graff, John B., assignor.)
Hall, Charles G., Los Angeles, Calif. Fishing catapult. 2,345,043; Mar. 28.
Hall, Charles W., Los Angeles, Calif. Hydrator cap. 2,345,044; Mar. 28.
Hall, Nathan I., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 2,345,115; Mar. 28.
Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Machine tool tracer regulator. 2,345,116; Mar. 28.
Hanna, Max R., Erie, Pa., assignor to General Electric Company. Electric current collector. 2,345,429; Mar. 28.
Hanna, Raymond P., Wilkinsburg, and A. G. Scott, Mount Lebanon, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trolley conductor device. 2,345,117; Mar. 28.
Hanna, Raymond P., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trolley frog. 2,345,118; Mar. 28.
Hare, Donald G. C., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Subsurface prospecting. 2,345,119; Mar. 28.
Haren, Urban C., Akron, and J. P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for making laminated strips. 2,345,195; Mar. 28.
Harlow, Roy E., Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Track indication system. 2,345,473; Mar. 28.
Harriss, Lloyd J., Kenilworth, and B. Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss. Apparatus for making pies. 2,345,045; Mar. 28.
Haseloff, Johann, and E. Wessel, Dessau, Germany; vested in the Alien Property Custodian. Steering column arrangement for airplanes. 2,345,120; Mar. 28.
Haverland, Frank J., Deadwood, S. Dak. Ore mill. 2,345,474; Mar. 28.
Hecht, Otto. (See Reppe, W., Hecht, and Oschatz.)
Hedlund, Folke G. H., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, Riverside, Conn., C. A. Adee, Port Washington, and G. Carlson, New York, N. Y., as trustees. Internal combustion engine of the solid injection type. 2,345,256; Mar. 28.
Henry, Herbert C. (See Ventre, E. K., Henry, and Gayle.)
Hensel, Walter C., and L. A. Mekler, assignors to Universal Oil Products Company, Chicago, Ill. Tube support. 2,345,257; Mar. 28.
Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, Anhalt, and A. Kirstahler, Dessau, Anhalt, Germany; vested in the Alien Property Custodian. Manufacture of condensation products. 2,345,121; Mar. 28.
Hercules Powder Company. (See Smith, Earl D., assignor.)
Herkert, Leo M. (See Korevec, Edward A., assignor.)
Herman, Kenneth R., Franklin, and R. C. Griffith, assignors to Vickers Incorporated, Detroit, Mich. Accumulator. 2,345,475; Mar. 28.
Herrick, Roswell H., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Intercommunicating system. 2,345,046; Mar. 28.
Herrmann, Heinrich, Nuremberg, Germany; vested in the Alien Property Custodian. Dry rectifier. 2,345,122; Mar. 28.
Hetherington, Robert, and Son, Inc. (See Cox, Charles L., Jr., assignor.)
Hewlett, Amiot P. (See Read, C. L., and Hewlett.)
Heyermans, Charles L., assignor to Oliver Pell Control Limited, London, England. Adjustable lamp bracket and the like. 2,345,393; Mar. 28.
Heyman, Gustave, Battle Creek, Mich. Blueprinting machine. 2,345,196; Mar. 28.
High Standard Manufacturing Corporation, The. (See Swebillius, Carl G., assignor.)
Hilker, Earl E. (See Smith, B. B., and Hilker.)
Hindle, Walter H. (See Croft, C. M., and Hindle.)
Hirsch, Henry, and W. B. Saul, Toledo, Ohio. Fishhook and producing same. 2,345,197; Mar. 28.
Hirschmugl, Robert A., Chicago, Ill. Roller skate wheel. 2,345,258; Mar. 28.
Hoague-Sprague Corporation. (See Sillars, George S., assignor.)
Hodaly, Emerick, Detroit, Mich. Combined comb and nail file. 2,345,339; Mar. 28.
Hodson Corporation, The. (See Hodson, Walter D., assignor.)
Hodson, Walter D., Chicago, Ill., assignor to The Hodson Corporation. Forging compound. 2,345,198; Mar. 28.
Hodson, Walter D., Chicago, Ill., assignor to The Hodson Corporation. Emulsifiable lubricant. 2,345,199; Mar. 28.
Hoe, R., & Co. (See Wieking, William C., assignor.)
Hofstadt, Richard. (See Fink, H., and Hofstadt.)
Hogan, Thomas P., Wilmington, Del. Hatch construction for ships. 2,345,394; Mar. 28.
Holmes, John Q., and B. S. Sample, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Machine for making T's of metal tubing. 2,345,123; Mar. 28.
Hoot, Clifford H. (See Close, J. W., and Hoot, assignors.)
Hoover Company, The. (See Boyer, Harold H., assignor.)
Hoover Company, The. (See Brace, George A., assignor.)
Hoover Company, The. (See Coons, Curtis C., assignor.)

Hoover Company, The. (See Siedle, Arnold D., assignor.)
Hoover Company, The. (See Troxler, Charles G., assignor.)
Horner, William L., Houston, assignor to Core Laboratories, Inc., Dallas, Tex. Determining porosity. 2,345,535; Mar. 28.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Producing compartment containers. 2,344,986; Mar. 28.
Houghton, Howard D., West Los Angeles, assignor to Aviation Patents, Inc., Los Angeles, Calif. Propeller. 2,345,047; Mar. 28.
Houk, Mansel E., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Control device for feed tubes. 2,345,395; Mar. 28.
Hove, Reuben, et al. (See McLeod, James K., assignor.)
Howe, Smith B., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,345,340; Mar. 28.
Hubbard, Francis A., Maplewood, W. H. Matthies, Hackensack, N. J., and O. Myers, Mount Vernon, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,345,048; Mar. 28.
Huber, Matthew W., Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company. Accumulator. 2,345,124; Mar. 28.
Huber, Matthew W., Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company. High pressure pump. 2,345,125; Mar. 28.
Hudson, H. D., Manufacturing Company. (See Laughead, K., and Keating, assignors.)
Huelster, Otto J., and E. D. Janes, assignors to Scovill Manufacturing Company, Waterbury, Conn. Manually operated fastener attaching machine. 2,345,476; Mar. 28.
Hughes, Everett C. (See Burk, R. E., and Hughes.)
Hull, Monroe R., Anaconda, Mont. Drafting instrument. 2,345,477; Mar. 28.
Hundley, John F., Indianapolis, Ind. Bank protection and trap device. 2,345,478; Mar. 28.
Hunter, Albert E., Wollaton, Nottingham, assignor to Byard Manufacturing Company Limited, Nottingham, England. Hair net. 2,345,396; Mar. 28.
Hunter, Grant W., Kalamazoo, Mich. Electric cooker. 2,345,049; Mar. 28.
Hunziker, Charles E., Paterson, N. J. Swingable filter. 2,345,259; Mar. 28.
Hurst, James G., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Dimpling tool. 2,344,944; Mar. 28.
Hutchings, John H., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,345,397; Mar. 28.
Hyatt, Harlow G., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Bleaching of sponges. 2,344,987; Mar. 28.
Ideal Novelty & Toy Co. (See Baggott, Edmund W., assignor.)
Iknayan, Alfred N., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Manufacture of inner tubes. 2,345,200; Mar. 28.
Imperial Chemical Industries Limited. (See Ireland, Thomas S., assignor.)
Imperial Molded Products Corporation. (See Amrine, Leclare H., assignor.)
Ireland, Thomas S., Penketh, Warrington, England, assignor to Imperial Chemical Industries Limited. Manufacture of resinous products derived from acrylic acid. 2,345,126; Mar. 28.
Isaacs, Louis. (See Walsh, C. L., Isaacs, and Mercur.)
Isaacson, Carl A., St. Paul, Minn. Garment hanger. 2,345,398; Mar. 28.
Jacuzzi Bros., Incorporated. (See Armstrong, J. E., and Piccardo, assignors.)
Jakob, Conrad W. (See Miles, G. D., Jakob, and Percy.)
Janes, Edmund D. (See Huelster, O. J., and Janes.)
Jansen, Karl, Mannheim, Germany; vested in the Alien Property Custodian. Cutterhead for milling machines. 2,345,050; Mar. 28.
Jauch, Christian, assignor to W. L. Gilbert Clock Corporation, Winsted, Conn. Clock. 2,345,260; Mar. 28.
Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Resetting mechanism for weft replenishing looms. 2,345,341; Mar. 28.
Jensen, Adolph, New York, N. Y. Holding device. 2,345,051; Mar. 28
Jensen, Otto M., assignor to Peerless Machine Company, Racine, Wis. Power-driven hack saw machine. 2,345,261; Mar. 28.
Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Dry shaver. 2,345,263; Mar. 28.
Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Coffee maker. 2,345,264; Mar. 28.
Jepson, Ivar, Chicago, and E. Bylund, Genoa, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Filter assembly for coffee makers. 2,345,265; Mar. 28.
Jepson, Ivar, L. J. Koci and E. Bylund, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Filter assembly for coffee makers. 2,345,262; Mar. 28.
Johnson, Sixten I., College Point, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Cup adapter arrangement for liquid mixing apparatus. 2,345,479; Mar. 28.
Jones, Arnold W., and Company. (See Marinetti, Edward G., assignor.)
Jones, Edwin A., Webster Groves, assignor to Majestic Manufacturing Co., St. Louis, Mo. Drip pan construction. 2,345,480; Mar. 28.
Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,345,399; Mar. 28.
Jordan, Joseph F., Hot Springs National Park, Ark. Scooter. 2,345,052; Mar. 28.
Judd, Charles H., and C. Glammatteo, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,345,053; Mar. 28.
Kahn, Walter, Middelburg, Transvaal, Union of South Africa. Label, tag, and the like. 2,345,342; Mar. 28.
Kaiser, Theobald, East Orange, N. J. Clasp. 2,345,481; Mar. 28.
Kalio, Inc. (See Berbeek, Arnold F., assignor.)
Karp, Edward J., assignor to G. S. Blakeslee & Co., Cicero, Ill. Mixing machine. 2,345,266; Mar. 28.
Karpfen, Paula. (See Weiss, Gerhart, assignor.)
Kavanagh, Frank W., B. B. Farrington, and J. O. Clayton, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded mineral oil. 2,344,988; Mar. 28.
Kearney & Trecker Corporation. (See Armitage, J. B., and Eserkaln, assignors.)
Keating, Maurice H. (See Laughead K., and Keating.)
Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,344,989; Mar. 28.
Keep, Charles R., Norwood, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Heat exchange unit. 2,345,536; Mar. 28.
Keep, Charles R., Norwood, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Heat exchange unit. 2,345,537; Mar. 28.
Kehne, Karl, Berlin-Tegel, Germany; vested in the Alien Property Custodian. Guns having sliding and interchangeable barrel. 2,345,127; Mar. 28.
Keil, Henry, assignor to Signode Steel Strapping Company, Chicago, Ill. Stapler. 2,345,267; Mar. 28.
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Keith, Homer C., El Reno, Okla. Piston for steam driven pumps. 2,345,482; Mar. 28.
Keller, Kaufman T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Sprocket gear and making the same. 2,345,343; Mar. 28.
Kessenich, Gregory J. (See Church, J. H., and Kessenich.)
Ketola, John, Detroit, Mich. Fitting for attaching side rails to corner posts. 2,345,344; Mar. 28.
Kirk, Walter B., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Drain valve mechanism. 2,345,380; Mar. 28.
Kirstahler, Alfred. (See Hentrich, W., and Kirstahler.)
Knapp-Monarch Company. (See Ward, Lawrence T., assignor.)
Knowles, Fred L., Fort Dodge, Iowa. Internal combustion engine. 2,345,268; Mar. 28.
Knox, Thomas, Bristol, and W. I. Stieglitz, Morrisville, Pa., assignors, by mesne assignments, to Reconstruction Finance Corporation. Providing drag in aircraft. 2,344,945; Mar. 28.
Koch, Theodoor, Oosterbeek, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of rayon. 2,345,345; Mar. 28.
Koci, Ludvik J. (See Jepson, I., Koci, and Bylund.)
Kohl, William R., Glenview, Ill., and W. W. McFall, Mankato, Minn. Garment hanger accessory and hanger. 2,345,483; Mar. 28.
Korevec, Edward A., assignor of one-half to L. M. Herkert, Joliet, Ill. Liquid level indicator. 2,345,054; Mar. 28.
Korpi, Karl J., Beacon, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbons. 2,35,128; Mar. 28.
Kronenberger, Adam. (See Wünsch, G., Kronenberger, and Bauer.)
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle suspension and spring. 2,345,201; Mar. 28.
Krumwiede, Elmer E., Park Ridge, Ill. File fastener. 2,345,484; Mar. 28.
Krzikalla, Hans, O. Dornheim, and H. Pfützner, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Dyestuff salts. 2,345,485; Mar. 28.
Kuhn, Wayne E., Scarsdale, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils. 2,345,129; Mar. 28.
Lackey, George, Whittier, Calif. Clamp. 2,345,269; Mar. 28.
Lambers, Bernard. (See Harriss, L. J., and Lambers.)
Landauer, Fred, New York, N. Y. Bath tub structure. 2,344,990; Mar. 28.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Controlling means. 2,344,946; Mar. 28.
Lane Company, The. (See Loftin, L. K., and Tinnin, assignors.)
Larson, Lawrence, assignor to Gateway City Transfer Company, Inc., La Crosse, Wis. Tire removing device. 2,345,346; Mar. 28.
Larson, Robert H., Geneva, assignor to Operadio Manufacturing Co., St. Charles, Ill. Portable projection apparatus. 2,345,202; Mar. 28.
Latham, Joseph R., New Bern, N. C. Liquid agitator. 2,345,130; Mar. 28.
Laughead, Kelly, Columbus, Ohio, and M. H. Keating, Minneapolis, Minn., assignors to H. D. Hudson Manufacturing Company, Chicago, Ill. Stock watering device. 2,345,400; Mar. 28.
La Via, Joseph, Ridgewood, N. Y. Safety brake for automotive vehicles. 2,345,203; Mar. 28.
Lavoie, Alphonse J., deceased, by C. E. Lavoie and E. H. Fauver, administrators, Defiance, Ohio. Vehicle spring suspension. 2,345,270; Mar. 28.
Lavoie, Charles E., et al., administrators. (See Lavoie, Alphonse J.)
Leebov, Nathan, Pittsburgh, Pa. Receptacle. 2,345,486; Mar. 28.
Leeds and Northrup Company. (See Perley, George A., assignor.)
Leonard, Merrill G., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective device for electrical apparatus. 2,345,131; Mar. 28.
Lessmann, Gerhard P., Forest Hills, and P. C. Lottes, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensiometer. 2,345,132; Mar. 28.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Annealing furnace. 2,345,133; Mar. 28.
Lewis Bolt & Nut Company. (See Olson, Kenneth A., assignor.)
Lewis, Everett V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn winding. 2,345,538; Mar. 28.
Libbey-Owens-Ford Glass Company. (See Williams, Carl B., Jr., assignor.)
Liedholm, George E., Scarsdale, N. Y., assignor to Shell Development Company, San Francisco, Calif. Effecting catalytic conversions. 2,345,487; Mar. 28.
Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Condition control. 2,344,991; Mar. 28.
Lilley, Samuel C., Hamden, and E. E. Foster, Southport, Conn., assignors to United Elastic Corporation, Easthampton, Mass. Knitted elastic fabric and producing the same. 2,345,055; Mar. 28.
Lily-Tulip Cup Corporation. (See Johnson, Sixten I., assignor.)
Lindegren, Carl J., Worcester, Mass. Pneumatic or hydraulic vise. 2,345,401; Mar. 28.
Lindsay, Frederick K., La Grange, and B. F. Willey, assignors to National Aluminate Corporation, Chicago, Ill. Sodium aluminate product and producing the same. 2,345,134; Mar. 28.
Lippman, Harry E., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting control system. 2,345,135; Mar. 28.
Liquidometer Corporation, The. (See De Giers, Clarence A., assignor.)
Lisle Corporation. (See Brooks, Thomas E., assignor.)
Lloyd, Robert L. (See Buchanan, B. F., and Lloyd.)
Lodwig, Erwin, Franklin Square, assignor to Mobile Refrigeration, Inc., New York, N. Y. Interior chamber insulation. 2,345,204; Mar. 28.
Loftin, Laurence K., and T. D. Tinnin, assignors to The Lane Company, Inc., Altavista, Va. Aroma tight drawer. 2,345,271; Mar. 28.
Logan, John W., Jr., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,345,488; Mar. 28.
Logemann, Willy, Berlin-Charlottenburg, and H. Dannenbaum, Falkenhain-Finkenkrug, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J. 17-aldehydo-androstanes and producing the same. 2,344,992; Mar. 28.
Lomax, Clarence E., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Signaling system. 2,345,1336; Mar. 28.
Long, James W., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph mechanism. 2,345,137; Mar. 28.
Lord, Frederic P., Hanover, N. H. Anatomical model. 2,345,489; Mar. 28.
Lottes, Paul C. (See Lessmann, G. P., and Lottes.)
Lovell, Clarence A. (See Dowey, T. L., and Lovell.)
Lubbock, Isaac, and R. O. Nash, assignors to Anglo Saxon Petroleum Company, Limited, Great St. Helen's, London, England. Liquid-fuel burner. 2,345,402; Mar. 28.
Luhrs, John F., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Density measuring apparatus. 2,345,272; Mar. 28.
Lum, George P. (See Wirth, E. O., and Lum.)
Lummus Company, The. (See Bertram, E. A., and Fulton, assignors.)
Lyon, Joseph P., Jr. (See Schulze, W. A., and Lyon.)
Lysholm, Alf, Stockholm, Sweden. Internal combustion engine. 2,344,993; Mar. 28.
MacChesney, Chester M., Chicago, Ill. Bowling ball attachment. 2,345,205; Mar. 28.
Macdonald, Alan J., Hamilton, Ontario, Canada, assignor to American Can Company, New York, N. Y. Compound measuring device. 2,344,994; Mar. 28.
Machemer, Hans, Burghausen, Germany; vested in the Alien Property Custodian. Condensation of primary aliphatic aldehydes. 2,345,138; Mar. 28.
Mack, Edward A., Huntington, W. Va., assignor to Oliver Iron and Steel Corporation, Allegheny County, Pa. Reinforced insulator pin. 2,345,404; Mar. 28.
Mackintosh-Hemphill Company. (See McConnell, William M., assignor.)
Macklanburg, Louis A., Oklahoma City, Okla. Weather strip. 2,345,273; Mar. 28.
Maclaren, Owen F., and L. E. Baynes, assignors to Maclaren Undercarriage Company, Limited, London, England. Aircraft alighting gear. 2,345,405; Mar. 28.
Maclaren Undercarriage Company, Limited. (See Maclaren, O. F., and Baynes, assignors.)
Main, Charles T., Inc. (See Moncrieff, Ray A., assignor.)
Majestic Manufacturing Co. (See Jones, Edwin A., assignor.)
Mallard, Logan L., Norfolk, Va. Ice mold with positive atmospheric release. 2,345,206; Mar. 28.
Mallory Hat Company, The. (See Wells, Burling D., assignor.)
Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,345,056; Mar. 28.
Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of cellulose acetate propionates and cellulose acetate butyrates having a high propionyl and butyryl content. 2,345,406; Mar. 28.
Manning, Maxwell & Moore, Incorporated. (See Falls, Eugene K., assignor.)
Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Stock feeding mechanism. 2,345,207; Mar. 28.
Manson, Frederick W., Toronto, Ontario, Canada. Molded pulp egg packing device. 2,345,274; Mar. 28.
Marble, Jarvis C., et al., trustees. (See Hedlund, Folke G. H., assignor.)
Marder, Estella P., Nottingham, and W. N. Green, West Bridgford, Nottingham, assignors to Byard Manufacturing Company, Limited, Nottingham, England. Hair net and cap. 2,345,407; Mar. 28.
Marinetti, Edward G., East Providence, assignor of one-half to Arnold W. Jones and Company, Inc., Providence, R. I. Shoe. 2,345,057; Mar. 28.
Marinsky, Davis, assignor of one-half to L. H. Morin, Bronx, N. Y. Lock slider for separable fasteners. 2,345,348; Mar. 28.
Markwardt, Lorraine J., and T. A. Carlson, Madison, Wis., assignors to Henry A. Wallace, as Secretary of Agriculture, of the United States of America, and his successors in office. Carton. 2,345,350; Mar. 28.
Martin, Archworth, Pittsburgh, Pa. Geneva drive. 2,345,139; Mar. 28.
Martin, Otis C., Los Angeles, Calif. Reaming valve seats. 2,345,349; Mar. 28.
Martin, Paul N., Penn Township, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,345,490; Mar. 28.
Martin, Russell, assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Draft regulator. 2,344,947; Mar. 28.
Martin, William, Providence, R. I. Beetle trap. 2,345,408; Mar. 28.
Marvin, Thomas L., Chicago, Ill. Douche appliance. 2,345,275; Mar. 28.
Mason, Charles R., Ballston Spa, N. Y., assignor to General Electric Company. Electrical device. 2,345,409; Mar. 28.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,345,491; Mar. 28.
Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making aminothiazolines. 2,345,208; Mar. 28.
Matteson, Elwin A., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Galvanizing. 2,345,058; Mar. 28.
Matthies, William H. (See Hubbard, F. A., Matthies, and Myers.)
Maxon, Ira D., M. Sklovsky, and W. H. Nordenson, assignors to Deere & Company, Moline, Ill. Tractor. 2,345,351; Mar. 28.
McCarty, Lourdes V., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric safety device. 2,345,276; Mar. 28.
McClellan, Paul P., Old Greenwich, and J. C. Bacon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Sulfo amides of cis-endomethylene 3,6-Δ^4-tetrahydro phthalic acid. 2,345,539; Mar. 28.

McCollum, Henry J. De N., and L. A. Williams, Jr., said Williams assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heating apparatus. 2,345,140; Mar. 28.
McConnell, Ralph S., Portsmouth, Va. Collapsible container. 2,344,995; Mar. 28.
McConnell, William M., McKeesport, Pa., assignor to Mackintosh-Hemphill Company. Making deep-drawing stock. 2,344,996; Mar. 28.
McFall, William W. (See Kohl, W. R., and McFall.)
McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,345,277; Mar. 28.
McGrew, Wallace M., Long Beach, Calif. Drill conduit for walls. 2,345,403; Mar. 28.
McLeod, James K., St. Paul, assignor of one-third to H. F. Carmody, Minneapolis, and one-third to R. Hove, St. Paul, Minn. Article handling apparatus. 2,345,347; Mar. 28.
McMullen, John, Buffalo, N. Y. Combined washer and cotter pin spreader. 2,345,141; Mar. 28.
McNamee, Raymond W. (See Chitwood, H. C., and McNamee.)
Meincke, Edmund R. (See Ericks, W. P., and Meincke.)
Mekler, Lev A. (See Hensel, W. C., and Mekler.)
Meola, Edward. (See White, S. J., Simpson, and Meola.)
Mercur, Alfred M. (See Walsh, C. L., Isaacs, and Mercur.)
Merle, Joseph M., Pittsburgh, Pa. Apparatus and method of producing products from undercooled molten metal. 2,345,352; Mar. 28.
Metals & Controls Corporation. (See Bolesky, John D., assignor.)
Midland Steel Products Company, The. (See Upp, George W., assignor.)
Mierley, George M., Upper Darby, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Clutch and brake mechanism. 2,345,410; Mar. 28.
Miescher, Karl, Riehen, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 3-Derivatives of the saturated and unsaturated androstane-3-one-17-ols substituted in 17-position and making same as well as the corresponding free ketones. 2,344,997; Mar. 28.
Miles, Gilbert D., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Organic compounds and producing the same. 2,345,061; Mar. 28.
Miles, Gilbert D., New York, N. Y., C. W. Jakob, Secaucus, N. J., and J. H. Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Neutralizing organic materials. 2,345,565; Mar. 28.
Miller, Henry, Seattle, Wash. Safety razor. 2,345,492; Mar. 28.
Milwaukee Gas Specialty Company. (See McCarty, Lourdes V., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Misfeldt, Charles C., Glendale, Calif. Draw press. 2,345,353; Mar. 28.
Mishawaka Rubber and Woolen Manufacturing Company. (See Bodle, V. H., and Blair, assignors.)
Moats, Willie M., Grafton, W. Va. Slip-over hoop coat. 2,345,059; Mar. 28.
Mobile Refrigeration, Inc. (See Lodwig, Erwin, assignor.)
Moeller, Carl A., assignor to Norfolk Paper Co., Inc., Randolph, Mass. Method and machine for operating on sheet material. 2,345,411; Mar. 28.
Monack, Albert J., New York, N. Y., assignor to Radio Corporation of America. Sealing glass to iron. 2,345,278; Mar. 28.
Moncrieff, Ray A., Newton Center, assignor to Charles T. Main, Inc., Boston, Mass. Ship building basin. 2,345,354; Mar. 28.
Moore, Charles R. (See Goff, H. W., Moore, and Walter.)
Moore, Earl E., Gary, Ind. Manufacturing billets. 2,345,412; Mar. 28.
Moore, Robert E., Park Ridge, Ill. Heating system. 2,345,209; Mar. 28.
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Wire supporting clip. 2,345,279; Mar. 28.
Morgan, Earl B., and J. F. Woods, Los Angeles, Calif.; said Woods assignor to said Morgan. Hydraulic brake control system. 2,345,280; Mar. 28.
Morgan, Frank M., Glen Ellyn, and S. Wallace, assignors to Sears, Roebuck and Co., Chicago, Ill. Photographic tank. 2,344,998; Mar. 28.
Morin, Louis H. (See Marinsky, Davis, assignor.)
Morris Motors Limited. (See Dono, G. E., and Goddard, assignors.)
Morse, Ted B., Chicago, Ill. Adjustable variable differential pressure apparatus. 2,345,281; Mar. 28.
Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steam iron. 2,345,413; Mar. 28.
Morton, George A., Haddon Heights, and L. E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America. Television pickup tube. 2,345,282; Mar. 28.
Morton, Henry E., Muskegon Heights, Mich. Cutting machine. 2,345,060; Mar. 28.
Moss, Philip H. (See Cook, E. W., and Moss.)
Mueller, Adolf G., Stratford, Conn., assignor to General Electric Company. Starting mechanism for fluorescent lamps. 2,345,414; Mar. 28.
Mueller, Paul M., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Mold. 2,345,493; Mar. 28.
Mulhern, William A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Ornamental sheet metal band. 2,345,283; Mar. 28.
Müller, Adalbert, Augsburg, Germany; vested in the Alien Property Custodian. Rendering materials water-repellent. 2,345,142; Mar. 28.
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Rotary fastener and installation thereof. 2,344,948; Mar. 28.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of tin ores. 2,345,210; Mar. 28.
Myers, Elmer E., and E. E. Beohm, Philippi, W. Va. Pipette washing apparatus. 2,345,284; Mar. 28.
Myers, Oscar. (See Hubbard, F. A., Matthies, and Myers.)
Nachtwey, Edward J., Green Bay, Wis. Automatically adjustable vehicular brake. 2,345,062; Mar. 28.
Nagy, Andrew, Jr., Monongahela, Pa. Automatic stop for belt conveyers. 2,345,415; Mar. 28.
Nagle, Harold J., et al. (See Copp, Nelson H., assignor.)
Nagle, Reginald A., et al. (See Copp, Nelson H., assignor.)
Nakagawa, Toyosaburo, Shimonoseki, Yamaguchi-Ken, Japan; vested in the Alien Property Custodian. Airplane float capable of being expanded and contracted. 2,345,143; Mar. 28.
Naramore, William W., Bridgeport, Conn. Viewer for transparencies. 2,345,416; Mar. 28.
Nardone, Romeo M., Westwood, assignor to Bendix Aviation Corporation, Bendix, N. J. Engine starting mechanism. 2,345,417; Mar. 28.
Nash, Rutland O. (See Lubbock, I., and Nash.)
National Aluminate Corporation. (See Lindsay, F. K., and Willey, assignors.)
National Oil Products Company. (See Buxton, Loran O., assignor.)
National Oil Products Company. (See De Castro, Arthur, assignor.)
National Tube Company. (See Tinker, Oscar A., assignor.)
Nauta, Johannes E., Overveen, Netherlands; vested in the Alien Property Custodian. Mixing apparatus, especially adapted for mixing pulverized materials. 2,345,063; Mar. 28.
Neal, Morris P., assignor to A-B-C Packaging Machine Company, Quincy, Ill. Conveyer drive. 2,345,355; Mar. 28.
Nebel, Max, Chemnitz, Germany; vested in the Alien Property Custodian. Flat knitting machine. 2,345,064; Mar. 28.
Neiman, Robert, assignor to E. A. Steinbock, Louisville, Ky. Investment composition. 2,345,211; Mar. 28.
Nelson, Martin L., Park Ridge, Ill., assignor to Automatic Electric Laboratories, Inc. Totalizing system. 2,345,212; Mar. 28.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,345,065; Mar. 28.
Neuner, Martin, Fairview, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Driving mechanism. 2,345,418; Mar. 28.
Newsom, Kitchener K., San Francisco, Calif. Box construction. 2,344,999; Mar. 28.
Newsom, Kitchener K., San Francisco, Calif. Box and closure construction. 2,345,000; Mar. 28.
New York Air Brake Company, The. (See Huber, Matthew W., assignor.)
Nichols Engineering & Research Corporation. (See Owen, Mark B., assignor.)
Nordenson, Willard H. (See Maxon, I. D., Sklovsky, and Nordenson.)
Norfolk Paper Co. (See Moeller, Carl A., assignor.)
Nylund, Harry W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control system. 2,345,066; Mar. 28.
O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Operating means for electric switches. 2,345,001; Mar. 28.
Oliver Iron and Steel Corporation. (See Mack, Edward A., assignor.)
Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt-applying machine. 2,345,002; Mar. 28.
Oliver Pell Control Limited. (See Heyermans, Charles L., assignor.)
Olson, Kenneth A., assignor to Lewis Bolt & Nut Company, Minneapolis, Minn. Floor clip. 2,345,419; Mar. 28.
Onsrud Machine Works, Inc. (See Onsrud, Rudolph F., assignor.)
Onsrud, Rudolph F., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Spar tapering and shaping machine. 2,345,494; Mar. 28.
Onsrud, Rudolph F., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Chuck. 2,345,495; Mar. 28.
Opavsky, Walter, Altenhammer, Bayer, Ostmark, Germany; vested in the Alien Property Custodian. Production of hollow products. 2,345,144; Mar. 28.

Operadio Manufacturing Co. (See Larson, Robert H., assignor.)
Opheim, Alvin W., Alden, Ill. Tractor. 2,345,496; Mar. 28.
Osann, Bernhard, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian. Method of and apparatus for operating shaft furnaces for roasting and the like. 2,345,067; Mar. 28.
Osborn Manufacturing Company, The. (See Peterson, Ruben O., assignor.)
Oschatz, Fritz. (See Reppe, W., Hecht, and Oschatz.)
O'Shei, William E., London, England. Fluid pressure motor system. 2,345,213; Mar. 28.
Owen, Mark B., Hastings-on-Hudson, assignor to Nichols Engineering & Research Corporation, New York, N. Y. Furnace construction. 2,345,497; Mar. 28.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Manufacturing mirrors. 2,345,356; Mar. 28.
Owens-Corning Fiberglas Corporation. (See Simpson, A. L., and Simison, assignors.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Palme, Arthur, Pittsfield, and C. A. Urbanek, Adams, Mass., assignors to General Electric Company. Protective system. 2,345,420; Mar. 28.
Pangborn Corporation. (See Keefer, Walter L., assignor.)
Panthoefer, Emil, Siegen, Germany; vested in the Alien Property Custodian. Feed gear. 2,345,145; Mar. 28.
Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Purification of liquid halides. 2,345,214; Mar. 28.
Peerless Machine Company. (See Jensen, Otto M., assignor.)
Pennington, Gordon R., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for fabricating fluid couplings. 2,345,285; Mar. 28.
Pennsylvania Research Corporation, The. (See Fenske, Merrell R., assignor.)
Percy, Joseph H. (See Miles, G. D., Jakob, and Percy.)
Percy, Joseph H. (See Ross, J., Brandt, and Percy.)
Perkins Machine and Gear Company. (See Deloghia, Louis E., assignor.)
Perley, George A., Wyncote, assignor to Leeds and Northrup Company, Philadelphia, Pa. Salt-bridge tube and producing it. 2,345,498; Mar. 28.
Periusz, Desider, and E. Balázs, Budapest, Hungary; vested in the Alien Property Custodian. Device for extracting coffee and/or tea. 2,345,146; Mar. 28.
Perry, George H., Brooklyn, N. Y., assignor to Airtress Corporation of America. Pneumatic mattress. 2,345,421; Mar. 28.
Pesco Products Co. (See Roth, J. M., and Wichorek, assignors.)
Peter, Leslie H., and S. A. Stevens, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating current rectifier apparatus of the dry surface contact type. 2,345,499; Mar. 28.
Peterson, Adolphe C., Minneapolis, Minn. Coin controlled printing means. 2,345,286; Mar. 28.
Peterson, Ruben O., South Euclid, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 2,345,422; Mar. 28.
Peterson, William R., Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y. Filling valve bags. 2,345,287; Mar. 28.
Petracca, Eleseo, Buffalo, N. Y. Rotatable display support. 2,345,147; Mar. 28.
Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)
Petter, John R., Pine Bluffs, assignor of one-tenth to G. W. Tellier, Little Rock, Ark. Demountable house. 2,345,500; Mar. 28.
Pfannmüller, Wilhelm, Mannheim, and J. Reichart, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Apparatus for carrying out catalytic gas reactions. 2,345,423; Mar. 28.
Pfeifer, Alfred G., New York, N. Y. Combination gauge. 2,345,424; Mar. 28.
Pfeiffer, Paul O., assignor to General Tire & Rubber Company, Akron, Ohio. Vehicle tire. 2,345,068; Mar. 28.
Pfitzner, Helmut. (See Krzikalla, H., Dornheim, and Pfitzner.)
Phillips, Ellsworth B., Los Angeles, Calif. Collet chuck. 2,345,069; Mar. 28.
Phillips, Frank, La Fayette, Ind. Sod cutter. 2,345,425; Mar. 28.
Phillips Petroleum Company. (See Schulze, W. A., and Lyon, assignors.)
Photographic Equipment, Inc. (See Walsh, C. L., Isaacs, and Mercur, assignors.)
Piccardo, Jack E. (See Armstrong, J. E., and Piccardo.)
Pickens, Homer H., Texarkana, Tex. Firearm. 2,345,003; Mar. 28.
Pierce, John B., Foundation. (See O'Brien, Joseph F., assignor.)
Pineo, Orrin W., Milo, Maine, assignor to American Cyanamid Company, New York, N. Y. High gain amplifier. 2,345,501; Mar. 28.
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
Pittsburgh Plate Glass Company. (See Gage, Frederick, assignor.)
Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pittsburgh Plate Glass Company. (See Pechukas, Alphonse, assignor.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,345,004; Mar. 28.
Powell, Edward, Portland, Oreg. Vaccine injector. 2,345,070; Mar. 28.
Power Research Corporation. (See Bowers, Thomas A., assignor.)
Powers, Paul O., assignor to Armstrong Cork Company, Lancaster, Pa. Rosin-drying oil-modified phenol-formaldehyde resins. 2,345,357; Mar. 28.
Pritchard, William C. (See Daily, R. A., and Pritchard.)
Proctor, B. A., Company. (See Proctor, Barton A., assignor.)
Proctor, Barton A., Larchmont, assignor to B. A. Proctor Company, Inc., New York, N. Y. Sound recording and reproducing machine. 2,345,148; Mar. 28.
Pruiett, Charles L., and H. W. Amner, Ventura, Calif. Oil skimmer. 2,345,426; Mar. 28.
Pugh, William E., assignor to Seismograph Service Corporation, Tulsa, Okla. Seismic prospecting. 2,345,288; Mar. 28.
Purifoy, George R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,345,149; Mar. 28.
Purifoy, George R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control and braking system. 2,345,150; Mar. 28.
Purrmann, Robert, Munich, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of pyrimidine condensation products. 2,345,215; Mar. 28.
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Monack, Albert J., assignor.)
Radio Corporation of America. (See Morton, G. A., and Flory, assignors.)
Radio Corporation of America. (See Thomas, Harry E., assignor.)
Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Motor. 2,344,949; Mar. 28.
Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine system. 2,345,540; Mar. 28.
Ray, William R., Beverly Hills, Calif. Electromagnetic device. 2,345,151; Mar. 28.
Read, Chester L., Westfield, and A. P. Hewlett, Summit, N. J., assignors to Standard Oil Development Company. Nitrogen bases. 2,345,005; Mar. 28.
Reagan, Maurice E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic reclosing circuit breaker system. 2,345,155; Mar. 28.
Reconstruction Finance Corporation. (See de Ganahl, Carl, assignor.)
Reconstruction Finance Corporation. (See Knox, T., and Stieglitz, assignors.)
Reece, Herbert A., Cleveland Heights, Ohio. Cupola apparatus and melting metal. 2,345,502; Mar. 28.
Reece, Herbert A., Cleveland Heights, Ohio. Tuyère. 2,345,503; Mar. 28.
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Pressure booster apparatus. 2,345,289; Mar. 28.
Reichart, Josef. (See Pfannmüller, W., and Reichart.)
Reichstein, Tadeus, Basel, Switzerland, assignor to the firm of Roche-Organon Incorporated, Nutley, N. J. Cyclopentanopolyhydrophenanthrene hydroxy aldehydes and esters thereof. 2,345,216; Mar. 28.
Remey, John T., New York, N. Y. Sky writing with a plurality of airplanes. 2,345,152; Mar. 28.
Remey, John T., New York, N. Y. Method of and recorded control for sky writing. 2,345,153; Mar. 28.
Remey, John T., New York, N. Y. Sky writing timing apparatus and method. 2,345,154; Mar. 28.
Reppe, Walter, and O. Hecht, Ludwigshafen-on-the-Rhine, and F. Oschatz, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Solvent for organic film-forming materials. 2,345,427; Mar. 28.
Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
Revere Copper and Brass Incorporated. (See Mueller, Paul M., assignor.)
Reynst, Maximilien F., H. Rinia, W. H. Stigter, and C. Dorsman, Eindhoven, Netherlands; vested in the Alien Property Custodian. Pressure observer. 2,345,071; Mar. 28.
Rheineck, Alfred E., and S. B. Crecelius, Louisville, Ky., assignors to Devoe and Raynolds Company, Inc. Catalytic process of dehydrating and heat-bodying. 2,345,358; Mar. 28.
Rhoads, James C., Erie, Pa., assignor to General Electric Company. Electric current collector. 2,345,428; Mar. 28.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Direct current transformer. 2,345,430; Mar. 28.
Rickrode, William C., Manchester Township, York County, assignor to York Safe and Lock Company, York, Pa. Manufacture of rifled gun barrels. 2,345,359; Mar. 28.
Rinia, Herre. (See Reynst, M. F., Rinia, Stigter, and Dorsman.)
Robb, Walter Y. (See Fletcher, N., and Robb.)
Roberts, Stiles M., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Lubricating oil. 2,345,156; Mar. 28.
Robertson Bleachery & Dye Works, Incorporated, The. (See Scholze, William F., Jr., assignor.)
Roche-Organon Incorporated. (See Reichstein, Tadeus, assignor.)
Roesch, George B., Adrian, Mich. Sediment detector. 2,345,290; Mar. 28.
Rohlin, Victor A., assignor to Cochrane Corporation, Philadelphia, Pa. Atomizing deaerator. 2,345,217; Mar. 28.
Rose, Jay, New York, N. Y. Ticket counting machine. 2,345,291; Mar. 28.
Rosen, Oscar E., Detroit, Mich. Duplicating machine. 2,345,218; Mar. 28.
Rosenleaf, John R., and E. D. Benham, assignors to The J. B. Ehrsam & Sons Manufacturing Company, Enterprise, Kans. Cutoff machine tripping mechanism. 2,345,072; Mar. 28.
Rosett, Arthur, et al. (See Rosett, Walter, assignor.)
Rosett, Blanche B., et al. (See Rosett, Walter, assignor.)
Rosett, Walter, Forest Hills, assignor of one-third to B. B. Rosett, New York, N. Y., and one-third to A. Rosett, New Orleans, La. Apparatus for operating therapeutic devices. 2,345,073; Mar. 28.
Ross, John, R. L. Brandt, and J. H. Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Making esters. 2,345,006; Mar. 28.
Rossi, Giovanni, Milan, Italy; vested in the Alien Property Custodian. Device for applying hair pins to curls or waves. 2,345,157; Mar. 28.
Roth, Jay M., Euclid, and E. F. Wichorek, assignors to Pesco Products Co., Cleveland, Ohio. Tank valve assembly. 2,345,547; Mar. 28.
Ruberoid Co., The. (See Avery, Steven B., assignor.)
Rush, Clarence G. (See Winter, W. A., Rush, and Thiessen.)
Saco-Lowell Shops. (See Edfors, Sven E., assignor.)
St. Regis Paper Company. (See Peterson, William R., assignor.)
Sallmann, Richard. (See Graenacher, C., Sallmann, and Albrecht.)
Sallmann, Richard. (See Graenacher, C., Sallmann, Albrecht, and Frei.)
Salvin, Victor S. (See Seymour, G. W., and Salvin.)
Sample, Basil S. (See Holmes, J. Q., and Sample.)
Samzelius, John W., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric switch. 2,345,007; Mar. 28.
Sanderson, Robert T., Sierra Madre, Calif., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Geochemical prospecting. 2,345,219; Mar. 28.
Sapp, John P. (See Haren, U. C., and Sapp.)
Sarchet, Thomas H., Spokane, Wash. Pump. 2,345,220; Mar. 28.
Sargent & Company. (See Voight, H. G., and Brantingson, assignors.)
Sargent, Edgar H., and A. G. Alex, Evanston, Ill. Dispensing machine. 2,345,074; Mar. 28.
Saul, William B. (See Hirsch, H., and Saul.)
Sawyer, Richard L. (See Bruner, F. H., Clarke, and Sawyer.)
Schacht, William F., Huntington, Ind. Combined cattle marker and muzzle chain. 2,345,292; Mar. 28.
Schacht, William F., Huntington, Ind. Cattle marker. 2,345,293; Mar. 28.
Schauffler, Goodrich C., and R. C. Shoemaker, Portland, Oreg. Scrubbing. 2,345,294; Mar. 28.
Schering Corporation. (See Butenandt, A., and Strassberger, assignors.)
Schering Corporation. (See Dohrn, M., and Diedrich, assignors.)
Schering Corporation. (See Logemann, W., and Dannenbaum, assignors.)
Schettler, Theodore W., Jr., Detroit, Mich. Collapsible baby bed. 2,345,295; Mar. 28.
Schmidt, John A., assignor to The Standard Register Company, Dayton, Ohio. Writing machine. 2,345,008; Mar. 28, 1944.
Scholze, William F., Jr., assignor to The Robertson Bleachery & Dye Works, Incorporated, New Milford, Conn. Polymerization of synthetic resin impregnated fabrics. 2,345,541; Mar. 28.
Schönfeld, Wilhelm. (See Fründt, H. J., and Schönfeld.)
Schröter, Hans. (See Schröter, Kurt and H.)
Schröter, Kurt and H., Wechmar, Gotha-Land, Germany; vested in the Alien Property Custodian. Wheeled underframe, especially for trailers of motor cars. 2,345,158; Mar. 28.
Schröter, Kurt and H., Wechmar, Gotha-Land, Germany; vested in the Alien Property Custodian. Car, especially trailer, with tiltable body. 2,345,159; Mar. 28.
Schuh, Charles H., Ridgewood, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Compressed composition and products and the like. 2,345,009; Mar. 28.
Schuh, Charles H., Ridgewood, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Cork composition. 2,345,431; Mar. 28.
Schulze, Walter A., and J. P. Lyon, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Liquid fuel composition. 2,345,296; Mar. 28.
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Door latching mechanism. 2,345,432; Mar. 28.
Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydraulic governing system for prime movers. 2,345,297; Mar. 28.
Scott, Angus G. (See Hanna, R. P., and Scott.)
Scott-Paine, Hubert, Greenwich, Conn. Mounting for guns or similar apparatus. 2,345,504; Mar. 28.
Scovill Manufacturing Company. (See Huelster, O. J., and Janes, assignors.)
Seabold, Edward J. (See Cooper, W. B., and Seabold.)
Sears, Roebuck and Co. (See Morgan, F. M., and Wallace, assignors.)
Seismograph Service Corporation. (See Pugh, William E., assignor.)
Semar, Harold W., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gear checking apparatus. 2,345,298; Mar. 28.
Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Azo dyes. 2,345,010; Mar. 28.
Shakespeare Products Company. (See Shipley, Robert, assignor.)
Shandal, Ted. (See Bender, Sydney E., assignor.)
Shanley, William B., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,344,950; Mar. 28.
Shaw-Walker Company, The. (See Burdick, John S., assignor.)
Shell Development Company. (See Liedholm, George E., assignor.)
Sherbrooke Machineries Limited. (See Spafford, Claude L., assignor.)
Shipley, Robert, assignor to Shakespeare Products Company, Kalamazoo, Mich. Control head coupling 2,345,299; Mar. 28.
Shively, John J., New York, N. Y. Ratio determining device. 2,345,184; Mar. 28.
Shoemaker, Robert C. (See Schauffler, G. C., and Shoemaker.)
Sias, Frederick R., Marblehead, Mass., assignor to General Electric Company. Pull-off device for telemeter indicators. 2,345,011; Mar. 28.
Siedle, Arnold D., assignor to The Hoover Company, Canton, Ohio. Refrigeration. 2,345,505; Mar. 28.
Signode Steel Strapping Company. (See Keil, Henry, assignor.)
Sillars, George S., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Stacking apparatus. 2,345,012; Mar. 28.
Simison, Allen L. (See Simpson, D. C., and Simison.)
Simpson, Donald C., Toledo, and A. L. Simison, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Heating pad. 2,345,300; Mar. 28.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Handle assembly. 2,345,075; Mar. 28.
Simpson, John K., assignor to Automotive Products Company Limited, Leamington Spa, England. Fluid driving mechanism. 2,345,433; Mar. 28.
Simpson, Roswell H. (See White, S. J., Simpson, and Meola.)
Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
Skelton, William R. (See Trostler, F., Andrews, and Skelton.)
Sklovsky, Max. (See Maxon, I. D., Sklovsky, and Nordenson.)
Slotterbeck, Ober C., Rahway, N. J., assignor to Standard Oil Development Company. Regeneration of spent alkylation acids. 2,345,506; Mar. 28.
Smith, Arthur E., Los Angeles, Calif. Syringe and ampoule. 2,345,301; Mar. 28.
Smith, Arthur E., Los Angeles, Calif. Anaesthetizing syringe. 2,345,302; Mar. 28.
Smith, Burwell B., and E. E. Hilker, assignors to S. Morgan Smith Company, York, Pa. Control system. 2,345,360; Mar. 28.
Smith, Burwell B., and E. E. Hilker, assignors to S. Morgan Smith Company, York, Pa. Control system. 2,345,361; Mar. 28.
Smith, Burwell B., and E. E. Hilker, assignors to S. Morgan Smith Company, York, Pa. Control system. 2,345,362; Mar. 28.
Smith, Byron L., East Rochester, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photographic film holder. 2,344,951; Mar. 28.
Smith, Earl D., Blacksburg, Va., assignor to Hercules Powder Company, Wilmington, Del. Preparation of chlorinated rubber. 2,345,507; Mar. 28.

Smith, Frank M., Lynn, Mass. Gun sight and mounting. 2,345,363; Mar. 28.
Smith, John W., Carthage, N. Y. Bearing for paper drier cylinders. 2,345,508; Mar. 28.
Smith, S. Morgan, Company. (See Smith, B. R., and Hilker, assignors.)
Smyth, Bertram J., Oberlin, Ohio. Clothes hanger. 2,345,509; Mar. 28.
Society of Chemical Industry in Basle. (See Graenacher, C., Sallmann, and Albrecht, assignors.)
Society of Chemical Industry in Basle. (See Graenacher, C., Sallmann, Albrecht, and Frei, assignors.)
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Conducting exothermic polymerization reactions. 2,345,013; Mar. 28.
Sorensen, Otto E., Bridgeport, Conn. Work positioning fixture. 2,345,312; Mar. 28.
Spafford, Claude L., assignor to Sherbrooke Machineries Limited, Sherbrooke, Quebec, Canada. Diaphragm screen. 2,345,364; Mar. 28.
Specialties Manufacturing Company. (See Freygang, Gustav G., assignor.)
Spencer, Audley V., Jefferson City, Mo. Apparatus for marking pavements and the like. 2,345,076; Mar. 28.
Spilman, Raymond R. (See Teague, W. D., and Spilman.)
Sprague, Robert H. (See Broker, L. G. S., and Sprague.)
Square D Company. (See Angst, Walter, assignor.)
Stamsvik, Alfred L., Grove City, assignor to Stamsvik Manufacturing Corporation, Pittsburgh, Pa. Filteration unit. 2,345,014; Mar. 28.
Stamsvik Manufacturing Corporation. (See Stamsvik, Alfred L., assignor.)
Standard Lime and Stone Company, The. (See Breslau, Harold R., assignor.)
Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)
Standard Oil Company of California. (See Kavanagh, F. W., Farrington, and Clayton, assignors.)
Standard Oil Development Company. (See Read, C. L., and Hewlett, assignors.)
Standard Oil Development Company. (See Slotterbeck, Ober C., assignor.)
Standard Register Company, The. (See Schmidt, John A., assignor.)
Stanolind Oil and Gas Company. (See Sanderson, Robert T., assignor.)
Stark, Lewis B. (See Ellis, J. H., and Stark.)
Steadman, Albert. (See Christaldi, P. S., Steadman, and Wilber.)
Steinbock, Edmund A. (See Neiman, Robert, assignor.)
Steiner, Oscar, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photographic shutter, particularly adapted for aerial photography. 2,345,365; Mar. 28.
Steinway & Sons. (See Beiter, George, assignor.)
Stephenson, James G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Through-current pilot-generator or regulator. 2,345,160; Mar. 28.
Sterling, Albert J., deceased, Brooklyn, N. Y.; S. M. Sterling, executrix. Siftproof bag. 2,345,434; Mar. 28.
Sterling, Sarah M., executrix. (See Sterling, Albert J.)
Stevens, Hayes C., Library, Pa. Apparatus or device for cutting and stamping telegrams and the like. 2,345,435; Mar. 28.
Stevens, Sydney A. (See Peter, L. H., and Stevens.)
Stewart-Warner Corporation. (See McCollum, H. J. D., and Williams, assignors.)
Stieglitz, William I. (See Knox, T., and Stieglitz.)
Stigter, Willem H. (See Reynst, M. F., Rinia, Stigter, and Dorsman.)
Stokes, F. J., Machine Company. (See Flosdorf, E. W., and Stokes, assignors.)
Stokes, Francis J. (See Flosdorf, E. W., and Stokes.)
Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 2,345,436; Mar. 28.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Lever. 2,345,015; Mar. 28.
Strassberger, Lothar. (See Butenandt, A., and Strassberger.)
Sturtevant, B. F., Company. (See Keep, Charles R., assignor.)
Suiter, George E., assignor of fifty per cent to All-State Equipment Co., Incorporated, Logan, W. Va. Mining machine. 2,345,303; Mar. 28.
Sundstrand Machine Tool Co. (See Granberg, B. R., and Ericson, assignors.)
Swebilius, Carl G., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Cartridge-ejecting means for firearms. 2,345,077; Mar. 28.
Swenson, George E., Hastings on Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill. Building material and applying same. 2,345,221; Mar. 28.
Szodomka, Julius, New Orleans, La. Automatic releasing hook for lifesaving crafts. 2,345,366; Mar. 28.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,345,016; Mar. 28.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor. 2,345,017; Mar. 28.
Taylor, Julian S., Shorewood, assignor to Allen-Bradley Company, Milwaukee, Wis. Time delayed reduced voltage control circuit. 2,345,510; Mar. 28.
Teague, Walter D., Annandale, N. J., and R. R. Spilman, Bronxville, N. Y.; said Spilman assignor to said Teague. Building construction. 2,345,018; Mar. 28.
Teletype Corporation. (See Reiber, Albert H., assignor.)
Tellier, Grace W. (See Petter, John R., assignor.)
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Texaco Development Corporation. (See Hare, Donald G. C., assignor.)
Texas Company, The. (See Bruner, F. H., Clarke, and Sawyer, assignors.)
Texas Company, The. (See Korpi, Karl J., assignor.)
Texas Company, The. (See Kuhn, Wayne E., assignor.)
Texas Company, The. (See Roberts, Stiles M., assignor.)
Thiessen, Walter H. (See Winter, W. A., Rush, and Thiessen.)
Thomas, Harry E., Haddonfield, N. J., assignor to Radio Corporation of America. Regenerative detector circuit. 2,345,511; Mar. 28.
Thomas, Ulysses L., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Latch handle. 2,345,304; Mar. 28.
Thomas, Walter M. (See Wohnsiedler, H. P., and Thomas.)
Thomason, Hjalmar, Los Angeles, Calif. Brake shoe grinder. 2,345,161; Mar. 28.
Thorne, Harry H., Rockford, Ill. Scribing tool. 2,345,367; Mar. 28.
Thornton, Henry M., York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Forming artificial teeth. 2,345,305; Mar. 28.
Tietig, Chester. (See Deutsch, Alexander T., assignor.)
Tinker, Oscar A., Mount Lebanon, Pa., assignor to National Tube Company. Thrust bearing. 2,345,437; Mar. 28.
Tinnerman Products, Inc. (See Judd, C. H., and Giammatteo, assignors.)
Tinnin, Thomas D. (See Loftin, L. K., and Tinnin.)
Toepfer, Adolph H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High frequency excitation. 2,345,162; Mar. 28.
Toland, William C. (See Bassist, Ellis, assignor.)
Tompkins, Edwin H., Buffalo, N. Y. Inner spring support. 2,345,438; Mar. 28.
Tompkins, Edwin H., Buffalo, N. Y. Therapeutic device. 2,345,439; Mar. 28.
Treibs, Alfred. (See Guggemos, H., and Treibs.)
Treptow, George R., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Sliding car door. 2,345,512; Mar. 28.
Trico Products Corporation. (See Rappl, Anton, assignor.)
Trojan Powder Company. (See Grim, Forrest D., assignor.)
Trostler, Fredrick, London, T. Andrews, Barking, England, and W. R. Skelton, Brynford, North Wales. Separation of solid materials of different specific gravities. 2,345,513; Mar. 28.
Troxler, Charles G., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,345,514; Mar. 28.
Trumbull Electric Manufacturing Company, The. (See Allyn, Charles C., assignor.)
Tweedale, Ralph L., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,345,515; Mar. 28.
Twin Coach Company. (See Fageol, William B., assignor.)
Udy, Marvin J., Niagara Falls, N. Y. Production of steel. 2,345,222; Mar. 28.
Ueberschuss, Albert, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Carbon microphone. 2,345,078; Mar. 28.
Union Switch and Signal Company, The. (See Harlow, Roy E., assignor.)
Union Switch & Signal Company, The. (See Logan, John W., Jr., assignor.)
Union Switch & Signal Company, The. (See Martin, Paul N., assignor.)
Union Switch and Signal Company, The. (See Peter, L. H., and Stevens, assignors.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Elastic Corporation. (See Lilley, S. C., and Foster, assignors.)
United Gas Improvement Company, The. (See Claffey, Joseph B., assignor.)
United Gas Improvement Company, The. (See Soday, Frank J., assignor.)
United Shoe Machinery Corporation. (See Oliver, John R., assignor.)
United States Rubber Company. (See Castricum, Martin, assignor.)
United States Rubber Company. (See Iknayan, Alfred N., assignor.)
United Wall Paper Factories, Inc. (See Close, J. W., and Hoot, assignors.)
United Wall Paper Factories, Inc. (See Freund, Harry, assignor.)
Universal Oil Products Company. (See Hensel, W. C., and Mekler, assignors.)

Universal Oil Products Company. (See Shanley, William B., assignor.)
Upp, George W., Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Control apparatus. 2,345,223; Mar. 28.
Upp, George W., Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Control system. 2,345,224; Mar. 28.
Urbanek, Casimere A. (See Palme, A., and Urbanek.)
Van Alstyne, Arthur J., Schenectady, N. Y., assignor to General Electric Company. Rotating coupling. 2,345,019; Mar. 28.
Van Der Werff, Jacob B., Pasadena, Calif., assignor to Adel Precision Products Corp. Fluid controlled valve. 2,345,306; Mar. 28.
Ventre, Emil K., H. C. Henry, and F. L. Gayle, Baton Rouge, La., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Production of aconitic acid. 2,345,079; Mar. 28.
Verbeek, Arnold F., Wuestenbrand, Germany, assignor to Kalio, Inc., New York, N. Y. Topping stand. 2,345,546; Mar. 28.
Vickers Incorporated. (See Herman, K. R., and Griffith, assignors.)
Vickers Incorporated. (See Tweedale, Ralph L., assignor.)
Vitalis, Emil A., East Port Chester, Conn., assignor to American Cyanamid Company, New York, N. Y. Detergent composition. 2,345,307; Mar. 28.
Voight, Henry G., and S. Brantingson, Hamden, assignors to Sargent & Company, New Haven, Conn. Door closer. 2,345,368; Mar. 28.
Vollrath, Paul, Cologne-on-the-Rhine, Germany; vested in the Alien Property Custodian. Apparatus for mixing, sifting, and kneading. 2,345,163; Mar. 28.
Von Ardenne, Manfred, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian. Arrangement for producing filters. 2,345,080; Mar. 28.
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lapping apparatus. 2,345,308; Mar. 28.
Wallace, Stanley. (See Morgan, F. M., and Wallace.)
Walsh, Charles L., L. Isaacs, and A. M. Mercur, assignors to Photographic Equipment, Inc., Pittsburgh, Pa. Photographic apparatus. 2,345,225; Mar. 28.
Walter, Orville L. (See Goff, H. W., Moore, and Walter.)
Ward, Lawrence T., Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo. Syphon construction. 2,345,081; Mar. 28.
Warner, Louis A., Baltimore, Md. Navigational instrument. 2,345,020; Mar. 28.
Warren, S. D., Company. (See Wilson, Alfred D., assignor.)
Warrington, Albert R. Van C., Wallingford, Pa., assignor to General Electric Company. Protective system. 2,345,440; Mar. 28.
Waseige, Charles R., Rueil, France; vested in the Alien Property Custodian. Retractable wheel mounting for aircraft. 2,345,021; Mar. 28.
Waseige, Charles R., Rueil-Malmaison, France; vested in the Alien Property Custodian. Plant for distributing air under pressure and in constituting parts thereof. 2,345,082; Mar. 28.
Washburn, Selden G., Goodwin, S. Dak. Harvesting machine. 2,345,542; Mar. 28.
Weber, Max, Chicago, Ill. Fan guard. 2,345,516; Mar. 28.
Webster Rubber Company. (See Wendel, David.)
Weiss, Gerhart, assignor of one-half to P. Karpfen, New York, N. Y. Ornament with light effects. 2,345,517; Mar. 28.
Weiss, Mathew J., Minneapolis, Minn. Flax cleaning machine. 2,345,226; Mar. 28.
Wells, Burling D., assignor to The Mallory Hat Company, Danbury, Conn. Hat crown pouncing machine construction. 2,345,369; Mar. 28.
Wendel, David, Johnstown, Pa., assignor to Webster Rubber Company, Warren, Ohio. Tire tread and making the same. 2,345,518; Mar. 28.
Wensel, Theodor, Jr., Tonawanda, N. Y. Sanitary tissue container. 2,345,309; Mar. 28.
Wessel, Erich. (See Haseloff, J., and Wessel.)
Western Cartridge Company. (See Williams, David M., assignor.)
Western Electric Company. (See Stover, Clyde N., assignor.)
Western Union Telegraph Company, The. (See Long, James W., assignor.)
Westinghouse Air Brake Company, The. (See Campbell, James A., assignor.)
Westinghouse Air Brake Company, The. (See Kirk, Walter B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Boykin, John R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bradshaw, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Claybourn, Glen L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Derr, Willard A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dick, Winfred O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, H. D., and Dyer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Elsey, Howard M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, R. P., and Scott, assignors.)
Westinghouse Electric & Manufacturing Company. (See Leonard, Merrill G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, G. P., and Lottes, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lippman, Harry E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mierley, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Morton, Eldred O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Purifoy, George R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Samzelius, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Semar, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stephenson, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Toepfer, Adolph H., assignor.)
Whann, Jesse P., Los Angeles, Calif., and J. Zumeta, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Replaceable liner construction for mud pumps. 2,345,370; Mar. 28.
Wheat, John P. (See Yarbrough, T. H., and Wheat.)
White, John W., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic steering stabilizer. 2,345,164; Mar. 28.
White, John W., Van Nuys, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure cylinder. 2,345,165; Mar. 28.
White, Stewart J., Jersey City, N. J., R. H. Simpson, Staten Island, N. Y., and E. Meola, assignors to Joseph Dixon Crucible Company, Jersey City, N. J. Adhesive applying mechanism. 2,345,227; Mar. 28.
White, S. S., Dental Manufacturing Company, The. (See Gross, Charles V., assignor.)
Wichorek, Edmund F. (See Roth, J. M., and Wichorek.)
Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism. 2,344,952; Mar. 28.
Wilber, David T. (See Christalidi, P. S., Steadman, and Wilber.)
Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light modulating apparatus and method. 2,345,441; Mar. 28.
Willey, Benjamin F. (See Lindsay, F. K., and Willey.)
Williams, Carl B., Jr., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,345,166; Mar. 28.
Williams, Clifton S. (See Brace, P. H., and Williams.)
Williams, David M., assignor to Western Cartridge Company, New Haven, Conn. Takedown firearm. 2,345,083; Mar. 28.
Williams, James H. (See Ericks, W. P., and Williams.)
Williams, Lynn A., Jr. (See McCollum, H. J. D., and Williams.)
Williams, William W. (See Brooker, L. G. S., and Williams.)
Williamson, Donald E., Ann Arbor, Mich. Tracer mechanism. 2,345,022; Mar. 28.
Willis, Bernard D., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system and apparatus. 2,345,167; Mar. 28.
Willoughby, Lively B., assignor to Ballard & Ballard Company, Incorporated, Louisville, Ky. Article assembling and feeding machine. 2,345,310; Mar. 28.
Wilson, Alfred D., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Preparation of alkaline earth pigments and coating compositions. 2,345,311; Mar. 28.
Wingert, Paul, Montpelier, Ohio. Draft tube for stoves and furnaces. 2,345,519; Mar. 28.
Winter, Walter A., San Pedro, and C. G. Rush, and W. H. Thiessen, Long Beach, Calif. Locking caster. 2,345,442; Mar. 28.
Winthrop Chemical Company. (See Purrmann, Robert, assignor.)
Wirth, Emil O., and G. P. Lum, assignors to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,345,168; Mar. 28.
Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cationic melamine-formaldehyde resin solution. 2,345,543; Mar. 28.
Wood, John, Manufacturing Company. (See Goldberg, Mark J., assignor.)

Wood, William F. (See Fountain, William M., assignor.)
Woods, Joe F. (See Morgan, E. B., and Woods.)
Worthington, Hood, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn winding. 2,345,544; Mar. 28.
Wright, Theodore M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Selector mechanism for automatic phonographs. 2,345,545; Mar. 28.
Wünsch, Guido, A. Kronenberger, and K. Bauer, Berlin, Germany; vested in the Alien Property Custodian. Angular rate gyroscope for automatic steering. 2,345,169; Mar. 28.
Wurlitzer, Rudolph, Company, The. (See Wright, Theodore M., assignor.)
Yarbrough, Thomas H., and J. P. Wheat, Waco, Tex. Pressure switch. 2,345,023; Mar. 28.
York Safe and Lock Company. (See Rickrode, William C., assignor.)
Young, Arthur A., Manchester, N. H., assignor to Anchor Manufacturing Company, Boston, Mass. Meter mounting. 2,345,084; Mar. 28.
Youngstown Steel Door Company, The. (See Doyle, Arthur J., assignor.)
Youngstown Steel Door Company, The. (See Treptow, George R., assignor.)
Zeltner, Joseph, and M. Genas, Paris, France; vested in the Alien Property Custodian. Making acetylenic carbinols. 2,345,170; Mar. 28.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Flow proportioning apparatus. 2,345,520; Mar. 28.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Flow proportioning apparatus. 2,345,521; Mar. 28.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Flow proportioning apparatus. 2,345,522; Mar. 28.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Flow proportioning apparatus. 2,345,523; Mar. 28.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Flow proportioning apparatus. 2,345,524; Mar. 28.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Flow proportioning apparatus. 2,345,525; Mar. 28.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Flow proportioning apparatus. 2,345,526; Mar. 28.
Zumeta, Julio. (See Whann, J. P., and Zumeta.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake. K. M. Yost. Re. 22,463; Mar. 28.
Pipe coupling. G. E. and R. Q. Armington. Re. 22,459; Mar. 28.
Spring and spring structure, Wire. J. Kronheim. Re. 22,461; Mar. 28.
Strip feed for typewriting machines. L. F. Hageman. Re. 22,460; Mar. 28.
Telephone system. D. L. Moody, N. D. Newby, and F. F. Shipley. Re. 22,462; Mar. 28.

LIST OF PLANT INVENTIONS

Peach tree. W. E. Lammerts. 621; Mar. 28.

LIST OF DESIGN INVENTIONS

Applique or the like. H. Tobler. 137,550; Mar. 28.
Badge, Identification. J. A. Graves and C. S. Bosworth. 137,536–7; Mar. 28.
Belt. B. D. Huff. 137,555; Mar. 28.
Bird figure. J. F. Buffenbarger. 137,534; Mar. 28.
Blouse. J. Walker. 137,561; Mar. 28.
Bracket, Window ventilator. W. G. Dieter. 137,569; Mar. 28.
Brush, Fountain stencil. O. J. Herb. 137,554; Mar. 28.
Calendar. E. L. Warner. 137,530; Mar. 28.
Can opener. M. J. Zimmer. 137,531–2; Mar. 28.
Card, Playing. J. E. Burbey. 137,553; Mar. 28.
Carpet or similar article. G. V. Uihlein. 137,529; Mar. 28.
Clock case or the like. A. Swainson. 137,528; Mar. 28.
Container for cosmetics or similar articles. J. Stengren. 137,549; Mar. 28.
Coupling or similar article, Joint. I. Ročić. 137,576; Mar. 28.
Display unit, Identification tag. P. H. Cohn. 137,535; Mar. 28.
Doll, Cardboard. F. B. Baker. 137,551; Mar. 28.
Dress. J. Smith. 137,559; Mar. 28.
Dress. J. Smith. 137,574; Mar. 28.
Dress. E. Wilkins. 137,562–4; Mar. 28.
Dress. E. Wilkens. 137,566; Mar. 28.
Dress. S. Zahn. 137,575; Mar. 28.
Frame for pictures, mirrors, and the like. D. M. Blanchette. 137,533; Mar. 28.
Game board. D. B. Fogelson. 137,524; Mar. 28.
Hat. J. C. Marks. 137,540; Mar. 28.
Hydrometer or the like. L. Edelmann. 137,523; Mar. 28
Latch, Night. C. Ledin. 137,539; Mar. 28.
Opener, Combined can and bottle. J. Rashi. 137,526; Mar. 28.
Pin, Brooch. A. Philippe. 137,541–8; Mar. 28.
Pin, Brooch. A. Philippe. 137,557; Mar. 28.
Pin, Brooch. A. Philippe. 137,572–3; Mar. 28.
Pinafore. E. Wilkens. 137,565; Mar. 28.
Polisher, Floor. C. B. Stevens. 137,560; Mar. 28.
Salt and pepper shaker, Combined. H. L. Ross. 137,527; Mar. 28.
Serving bar and guard partition therefor, Combined. J. Stark. 137,570–1; Mar. 28.
Set of numerals or similar articles. H. Kursh and S. M. Harris. 137,525; Mar. 28.
Skirt. H. Pons. 137,558; Mar. 28.
Stove, Cooking. A. J. Yeager. 137,567–8; Mar. 28.
Toy machine gun. E. L. Jahnke. 137,538; Mar. 28.
Toy pistol. H. U. Dernehl. 137,522; Mar. 28.
Undergarment or the like for women. E. Bissett. 137,552; Mar. 28.
Wallet. C. Meyers. 137,556; Mar. 28.
Whirling bowl toy. C. Davidson. 137,521; Mar. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. L. Keefer. 2,344,989; Mar. 28.
Accumulator. K. R. Herman and R. C. Griffith. 2,345,475; Mar. 28.
Accumulator. M. W. Huber. 2,345,124; Mar. 28.
Acetylenic carbinols, Making. J. Zeltner and M. Genas. 2,345,170; Mar. 28.
Acid, Manufacture of resinous products derived from acrylic. T. S. Ireland. 2,345,126; Mar. 28.
Acid, Production of aconitic. E. K. Ventre, H. C. Henry, and F. L. Gayle. 2,345,079; Mar. 28.
Acids, Esters of sulphotricarballylic. W. P. Ericks and E. R. Meincke. 2,345,041; Mar. 28.
Actuating mechanism, Hydraulic. C. de Ganahl. 2,345,531; Mar. 28.
Adhesive applying mechanism. S. J. White, R. H. Simpson, and E. Meola. 2,345,227; Mar. 28.
Agitator, Liquid. J. R. Latham. 2,345,130; Mar. 28.
Air conditioning system. W. L. McGrath. 2,345,277; Mar. 28.
Aircraft alighting gear. O. F. Maclaren and L. E. Baynes. 2,345,405; Mar. 28.
Aircraft equipped with sustaining rotors. H. S. Campbell. 2,344,966; Mar. 28.
Aircraft heating apparatus. H. J. De N. McCollum and L. A. Williams, Jr. 2,345,140; Mar. 28.
Aircraft, Providing drag in. T. Knox and W. I. Steiglitz. 2,344,945; Mar. 28.
Airplane float capable of being expanded and contracted. T. Nakagawa. 2,345,143; Mar. 28.
Aldehyde condensation products of s-benzyl thioammeline. H. A. Bruson. 2,345,456; Mar. 28.
Alkyd resin and preparing the same. T. F. Bradley. 2,345,528; Mar. 28.
Aminothiazolines, Making. R. A. Mathes. 2,345,208; Mar. 28.
Amplifier, High gain. O. W. Pineo. 2,345,501; Mar. 28.
Anatomical model. F. P. Lord. 2,345,489; Mar. 28.
Annealing furnace. R. G. Le Tourneau. 2,345,133; Mar. 28.
Apparatus and method of producing products from undercooled molten metal. J. M. Merle. 2,345,352; Mar. 28.
Apparatus for annealing. W. B. Cooper and E. J. Seabold. 2,345,181; Mar. 28.
Apparatus for carrying out catalytic gas reactions. W. Pfannmüller and J. Reichart. 2,345,423; Mar. 28.
Apparatus for developing of paper photo copies. E. Dutch. 2,344,941; Mar. 28.
Apparatus or device for cutting and stamping telegrams and the like. H. C. Stevens. 2,345,435; Mar. 28.
Apparatus for extrusion of plastic material in tubular form. S. B. Avery. 2,344,959; Mar. 28.
Apparatus for fabricating fluid couplings. G. R. Pennington. 2,345,285; Mar. 28.
Apparatus for handling liquids. W. E. Baker. 2,345,446; Mar. 28.
Apparatus for making laminated strips. U. C. Haren and J. P. Sapp. 2,345,195; Mar. 28.
Apparatus for making pies. L. J. Harriss and B. Lambers. 2,345,045; Mar. 28.
Apparatus for marking pavements and the like. A. V. Spencer. 2,345,076; Mar. 28.
Apparatus for mixing, sifting, and kneading. P. Vollrath. 2,345,163; Mar. 28.
Apparatus for moving tool means in an irregular path. W. H. Dittrich. 2,345,104; Mar. 28.
Apparatus for operating therapeutic devices. W. Rosett. 2,345,073; Mar. 28.
Apparatus for removing dents. W. H. Aiken. 2,345,443; Mar. 28.
Apparatus for the manufacture of artificial sausage skins. O. W. Becker and E. Braun. 2,345,086; Mar. 28.
Apparatus for welding pipe sections. E. O. Bennett. 2,344,939; Mar. 28.
Aquatic figure and apparatus for actuating the same. W. D. Eakin. 2,345,243; Mar. 28.
Arrangement for producing filters. M. von Ardenne. 2,345,080; Mar. 28.
Article handling apparatus. J. K. McLeod. 2,345,347; Mar. 28.
Article of food and making the same. R. R. Cox. 2,345,463; Mar. 28.
Assembling and feeding machine, Article. L. B. Willoughby. 2,345,310; Mar. 28.
Azo dyes. G. W. Seymour and V. S. Salvin. 2,345,010; Mar. 28.
Bag: *See*—
Siftproof bag.
Ball seats in steel articles, Method and apparatus for grinding. O. R. Briney, Jr. 2,345,177; Mar. 28.
Bank protection and trap device. J. F. Hundley. 2,345,478; Mar. 28.
Basin, Ship building. R. A. Moncrieff. 2,345,354; May. 28.
Bath tub structure. F. Landauer. 2,344,990; Mar. 28.
Bearing: *See*—
Electric circuit breaker. Thrust bearing.
Bearing for paper drier cylinders. J. W. Smith. 2,345,508; Mar. 28.
Bearing for rolling mills, mixers, and calenders. J. Brown. 2,345,321; Mar. 28.
Bed, Collapsible baby. T. W. Schettler, Jr. 2,345,295; Mar. 28.
Beetle trap. W. Martin. 2,345,408; Mar. 28.
Belt, Garment. J. M. Donovan. 2,345,242; Mar. 28.
Billets, Manufacturing. E. E. Moore. 2,345,412; Mar. 28.
Blade magazine holder, Unitary. S. H. Benjamin. 2,344,962; Mar. 28.
Blueprinting machine. G. Heyman. 2,345,196; Mar. 28.
Board: *See*—
Trimming board.
Bowling ball attachment. C. M. MacChesney. 2,345,205; Mar. 28.
Box and closure construction. K. K. Newsom. 2,345,000; Mar. 28.
Box construction. K. K. Newsom. 2,344,999; Mar. 28.
Brake: *See*—
Vehicular brake.
Brake. R. A. Goepfrich. 2,345,107–8; Mar. 28.
Brake for automotive vehicles, Safety. J. La Via. 2,345,203; Mar. 28.
Brake for axminster loom pull-over shafts. N. Fletcher and W. Y. Robb. 2,345,334; Mar. 28.
Brake rotor. C. E. Tack. 2,345,016–17; Mar. 28.
Brake shoe grinder. H. Thomason. 2,345,161; Mar. 28.
Breathing system canister arrangement. K. Connell. 2,345,530; Mar. 28.
Brush, Rotary. R. O. Peterson. 2,345,422; Mar. 28.
Building construction. W. D. Teague and R. R. Spilman. 2,345,018; Mar. 28.
Building material and applying same. G. E. Swenson. 2,345,221; Mar. 28.
Bulk materials container. A. J. Doyle. 2,345,468; Mar. 28.
Burner: *See*—
Gas burner. Liquid-fuel burner.
Butadiene, Producing. H. Guggemos and A. Treibs. 2,345,113; Mar. 28.
Can conveying and transfer apparatus. W. De Back. 2,344,975; Mar. 28.
Cap: *See*—
Hydrator cap.
Car, especially trailer, with tiltable body. K. Schröter and H. Schröter. 2,345,159; Mar. 28.
Carton. L. J. Markwardt and T. A. Carlson. 2,345,350; Mar. 28.
Cartridge-ejecting means for firearms. C. G. Swebllius. 2,345,077; Mar. 28.
Caster, Locking. W. A. Winter, C. G. Rush and W. H. Thiessen. 2,345,442; Mar. 28.
Catalytic conversions, Effecting. G. E. Liedholm. 2,345,487; Mar. 28.
Catalytic process of dehydrating and heat-bodying. A. E. Rheineck and S. B. Crecilius. 2,345,358; Mar. 28.
Catapault, Fishing. C. G. Hall. 2,345,043; Mar. 28.
Cationic melamine-formaldehyde resin solution. H. P. Wohnsiedler and W. M. Thomas. 2,345,543; Mar. 28.
Cattle marker and muzzle chain, Combined. W. F. Schacht. 2,345,292; Mar. 28.
Cellulose acetate propionates and cellulose acetate butyrates having a high proplonyl and butyryl content. C. J. Malm. 2,345,406; Mar. 28.
Cellulose derivatives, Dyeing. C. M. Croft and W. H. Hindle. 2,344,973–4; Mar. 28.
Chain for vehicles, Antiskid. N. H. Copp. 2,344,971; Mar. 28.
Chair: *See*—
Folding chair.
Charge forming device. E. O. Wirth and G. P. Lum. 2,345,168; Mar. 28.
Chuck. R. F. Onsrud. 2,345,495; Mar. 28.
Circuit: *See*—
Regenerative detector cir- Voltage control circuit.
cuit.
Circuit breaker. H. D. Dorfman and L. W. Dyer. 2,345,105; Mar. 28.
Circuit breaker system, Automatic reclosing. M. E. Reagan. 2,345,155; Mar. 28.
Circuit interrupter. H. J. Crabbs. 2,345,034; Mar. 28.

Clamp. G. Lackey. 2,345,269; Mar. 28.
Clamping device. C. N. Stover. 2,345,436; Mar. 28.
Clasp. T. Kaiser. 2,345,481; Mar. 28.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Floor clip. Wire supporting clip.
Sheet metal fabric clip.
Clip magazine for rifles, Multiple. J. H. Carithers. 2,345,031; Mar. 28.
Clock. C. Jauch. 2,345,260; Mar. 28.
Clothes hanger. B. J. Smyth. 2,345,509; Mar. 28.
Clutch and brake mechanism. G. M. Mierley. 2,345,410; Mar. 28.
Clutch operating mechanism. C. M. Eason. 2,345,244; Mar. 28.
Coat, Slip-over hoop. W. M. Moats. 2,345,059; Mar. 28.
Coffee maker. I. Jepson. 2,345,264; Mar. 28.
Coffee, Preserving. J. Brenzinger. 2,345,320; Mar. 28.
Coin signaling device. T. L. Dowey and C. A. Lovell. 2,345,040; Mar. 28.
Collapsible container. R. S. McConnell. 2,344,995; Mar. 28.
Collet chuck. E. B. Phillips. 2,345,069; Mar. 28.
Comb and nail file, Combined. E. Hodaly. 2,345,339; Mar. 28.
Combination gauge. A. G. Pfeifer. 2,345,424; Mar. 28.
Communication system. F. A. Hubbard, W. H. Matthies, and O. Myers. 2,345,048; Mar. 28.
Compartment containers, Producing. J. M. Hothersall. 2,344,986; Mar. 28.
Compound measuring device. A. J. Macdonald. 2,344,994; Mar. 28.
Compressed composition and products and the like. C. H. Schuh. 2,345,009; Mar. 28.
Condensation of primary aliphatic aldehydes. H. Machemer. 2,345,138; Mar. 28.
Condensation products, Manufacture of. W. Hentrich and A. Kirstahler. 2,345,121; Mar. 28.
Condensation products, Manufacture of thiourea. C. Graenacher, R. Sallmann, and O. Albrecht. 2,345,109; Mar. 28.
Condition control. E. D. Lilja. 2,344,991; Mar. 28.
Container: *See*—
Bulk materials container. Nonrefillable container.
Collapsible container. Sanitary tissue container.
Control and signal system. W. A. Derr. 2,345,039; Mar. 28.
Control apparatus. G. W. Upp. 2,345,223; Mar. 28.
Control device for feed tubes. M. E. Houk. 2,345,395; Mar. 28.
Control head coupling. R. Shipley. 2,345,299; Mar. 28.
Control system. H. S. Jones. 2,345,399; Mar. 28.
Control system. G. R. Purifoy. 2,345,149; Mar. 28.
Control system. B. B. Smith and E. E. Hilker. 2,345,360; Mar. 28.
Control system. B. B. Smith and E. E. Hilker. 2,345,361–2; Mar. 28.
Control system. G. W. Upp. 2,345,224; Mar. 28.
Control system, Gain. H. W. Nylund. 2,345,066; Mar. 28.
Controlling means. W. S. Landon. 2,344,946; Mar. 28.
Conveyer drive. M. P. Neal. 2,345,355; Mar. 28.
Cork composition. C. H. Schuh. 2,345,431; Mar. 28.
Cosmetic stick expellant holder. J. W. Anderson. 2,345,315; Mar. 28.
Coupling: *See*—
Control head coupling. Rotating coupling.
Cream extractor. R. Edwards. 2,345,470; Mar. 28.
Cup adapter arrangement for liquid mixing apparatus. S. I. Johnson. 2,345,479; Mar. 28.
Cupola apparatus and method of melting metal. H. A. Reece. 2,345,502; Mar. 28.
Current rectifier apparatus of the dry surface contact type, Alternating. L. H. Peter and S. A. Stevens. 2,345,499; Mar. 28.
Cutoff machine tripping mechanism. J. R. Rosenleaf and E. D. Benham. 2,345,072; Mar. 28.
Cutter: *See*—
Milling cutter. Sod cutter.
Milling machine cutter.
Cutterhead for milling machines. K. Jansen. 2,345,050; Mar. 28.
Cutters, Manufacturing milling. E. F. Aber. 2,344,956; Mar. 28.
Cutting machine. J. L. Anderson. 2,345,314; Mar. 28.
Cutting machine. H. E. Morton. 2,345,060; Mar. 28.
Cutting machine. C. B. Williams, Jr. 2,345,166; Mar. 28.
Cutting tool holder. D. J. Coughlin. 2,345,462; Mar. 28.
Cyclopentanopolyhydrophenanthrene hydroxy aldehydes and esters thereof. T. Reichstein. 2,345,216; Mar. 28.
Cylinder, Fluid pressure. J. W. White. 2,345,165; Mar. 28.
Dampener mechanism. A. H. Gardner. 2,345,337; Mar. 28.
Deaerator, Atomizing. V. A. Rohlin. 2,345,217; Mar. 28.
Deep-drawing stock, Making of. W. M. McConnell. 2,344,996; Mar. 28.
Dental impression compound. C. V. Gross. 2,345,255; Mar. 28.
Deposition form and making the same. C. L. Beal. 2,344,960; Mar. 28.
Derivatives of 3.17-diols of the cyclopentanopolyhydrophenanthrene series and for producing the same. A. Butenandt and L. Strassberger. 2,344,965; Mar. 28.
Derrick, Portable. F. A. Funk. 2,345,253; Mar. 28.
Desiccating sera, biologicals, and other materials, Method and apparatus for. E. W. Flosdorf and F. J. Stokes. 2,345,548; Mar. 28.
Desk, Typewriter. J. B. Graff. 2,345,254; Mar. 28.
Detector, Sediment. G. G. Roesch. 2,345,290; Mar. 28.
Detergent composition. E. A. Vitalis. 2,345,307; Mar. 28.
Device for applying hair pins to curls or waves. G. Rossi. 2,345,157; Mar. 28.
Device for extracting coffee and/or tea. D. Perlusz and E. Balázs. 2,345,146; Mar. 28.
Device for the tires of motor vehicle wheels, Antiskid. N. H. Copp. 2,344,970; Mar. 28.
Diaphragm screen. C. L. Spafford. 2,345,364; Mar. 28.
Differential. W. M. Fountain. 2,345,252; Mar. 28.
Differential pressure apparatus, Adjustable variable. T. B. Morse. 2,345,281; Mar. 28.
Digger, Potato. J. F. Coyle. 2,345,241; Mar. 28.
Dimpling tool. J. G. Hurst. 2,344,944; Mar. 28.
Dispensing machine. E. H. Sargent and A. G. Alex. 2,345,074; Mar. 28.
Distillery residues, Treatment of. L. M. Christensen. 2,345,238; Mar. 28.
Divan, Bed. S. L. Grossman. 2,345,392; Mar. 28.
Divided materials in molten compositions, Incorporating finely. G. De W. Graves. 2,345,533; Mar. 28.
Door closer. H. G. Voight and S. Brantingson. 2,345,368; Mar. 28.
Door latching mechanism. E. F. Schweller. 2,345,432; Mar. 28.
Douche appliance. T. L. Marvin. 2,345,275; Mar. 28.
Draft regulator. R. Martin. 2,344,947; Mar. 28.
Draft tube for stoves and furnaces. P. Wingert. 2,345,519; Mar. 28.
Drafting instrument. M. R. Hull. 2,345,477; Mar. 28.
Draw press. C. C. Misfeldt. 2,345,353; Mar. 28.
Drawer, Aroma tight. L. K. Loftin and T. D. Tinnin. 2,345,271; Mar. 28.
Drier for yarns or cords. M. Castricum. 2,345,032; Mar. 28.
Drill bit sharpening mechanism. E. I. Cotton. 2,345,100; Mar. 28.
Drill conduit for walls. W. M. McGrew. 2,345,403; Mar. 28.
Drip pan construction. E. A. Jones. 2,345,480; Mar. 28.
Driving mechanism. M. Neuner. 2,345,418; Mar. 28.
Dual wheel construction for vehicles, Independently movable. V. G. and E. V. Garnett. 2,345,192; Mar. 28.
Duplicating machine. F. R. Ford. 2,345,335; Mar. 28.
Duplicating machine. O. E. Rosen. 2,345,218; Mar. 28.
Dye intermediates. L. G. S. Brooker and W. W. Williams. 2,345,093; Mar. 28.
Dye, Organic. B. Gáspár. 2,345,193; Mar. 28.
Dyestuff salts. H. Krzikalla, O. Dornheim, and H. Pfützner. 2,345,485; Mar. 28.
Dyestuffs of the anthraquinone series. W. Dettwyler. 2,344,981; Mar. 28.
Earth pigments and coating compositions, Preparation of alkaline. A. D. Wilson. 2,345,311; Mar. 28.
Electric circuit breaker. R. M. Bennett. 2,345,375; Mar. 28.
Electric cooker. G. W. Hunter. 2,345,049; Mar. 28.
Electric current collector. M. R. Hanna. 2,345,429; Mar. 28.
Electric current collector. J. C. Rhoads. 2,345,428; Mar. 28.
Electric discharge device. J. H. Hutchings. 2,345,397; Mar. 28.
Electric switch. C. H. Bayer. 2,345,374; Mar. 28.
Electric switch. J. W. Samzelius. 2,345,007; Mar. 28.
Electric switches, Operating means for. J. F. O'Brien. 2,345,001; Mar. 28.
Electric welding handle. P. Eriksen. 2,345,532; Mar. 28.
Electrical device. C. R. Mason. 2,345,409; Mar. 28.
Electrical relay. P. N. Martin. 2,345,490; Mar. 28.
Electromagnetic device. W. R. Ray. 2,345,151; Mar. 28.
Electromagnetic testing machine chuck. P. H. Brace and C. S. Williams. 2,345,091; Mar. 28.
Engine: *See*—
Internal combustion engine.
Engine cooling apparatus. G. P. Bradley. 2,345,233; Mar. 28.
Engine starting mechanism. R. M. Nardone. 2,345,417; Mar. 28.
Esters, Making. J. Ross, R. L. Brandt and J. H. Percy. 2,345,006; Mar. 28.
Exothermic polymerization reactions, Conducting. F. J. Soday. 2,345,013; Mar. 28.
Extraction process, Coffee. R. L. Brandt. 2,345,378; Mar. 28.
Eyeglass construction. G. E. Nerney. 2,345,065; Mar. 28.
Fabric and producing the same, Knitted elastic. S. C. Lilley and E. E. Foster. 2,345,055; Mar. 28.
Fan guard. M. Weber. 2,345,516; Mar. 28.

Fastener: *See*—
File fastener.
Fastener. B. C. Place. 2,345,004; Mar. 28.
Fastener attaching machine, Manually operated. O. J. Huelster and E. D. Janes. 2,345,476; Mar. 28.
Fastener socket member, Reinforced. W. H. Churchill. 2,345,326; Mar. 28.
Fastening device. C. H. Judd and C. Giammatteo. 2,345,053; Mar. 28.
Feed gear. E. Panthoefer. 2,345,145; Mar. 28.
Feed screw mechanism. B. R. Granberg and A. G. Ericson. 2,345,194; Mar. 28.
Feeder: *See*—
Reagent feeder.
Felts, Treatment of printing. J. W. Close and C. H. Hoot. 2,345,179; Mar. 28.
Fibrous material and the material treated by such a process, Process for improving. C. Graenacher, R. Sallmann, O. Albrecht, and J. Frei. 2,345,110; Mar. 28.
File fastener. E. E. Krumwiede. 2,345,484; Mar. 28.
Filing device. R. Babineau. 2,345,228; Mar. 28.
Filling valve bags. W. R. Peterson. 2,345,287; Mar. 28.
Filter: *See*—
Swingable filter.
Filter assembly for coffee makers. I. Jepson, L. J. Kocl and E. Bylund. 2,345,262; Mar. 28.
Filter assembly for coffee makers. I. Jepson and E. Bylund. 2,345,265; Mar. 28.
Filteration unit. A. L. Stamsvik. 2,345,014; Mar. 28.
Firearm. H. H. Pickens. 2,345,003; Mar. 28.
Firearm, Take-down. D. M. Williams. 2,345,083; Mar. 28.
Fishhook and producing same. H. Hirsch and W. B. Saul. 2,345,197; Mar. 28.
Fish livers, Treating. L. O. Buxton. 2,345,099; Mar. 28.
Fitting for attaching side rails to corner posts. J. Ketola. 2,345,344; Mar. 28.
Fixture, Lighting. T. A. Carter, Jr. 2,345,235; Mar. 28.
Fixture, Work positioning. O. E. Sorensen. 2,345,312; Mar. 28.
Flax cleaning machine. M. J. Weiss. 2,345,226; Mar. 28.
Floor clip. K. A. Olson. 2,345,419; Mar. 28.
Floor covering, Making flocked. V. H. Bodle and G. W. Blair. 2,345,376; Mar. 28.
Flow proportioning apparatus. H. Ziebolz. 2,345,520–6; Mar. 28.
Fluid controlled valve. J. B. Van Der Werff. 2,345,306; Mar. 28.
Fluid driving mechanism. J. K. Simpson. 2,345,433; Mar. 28.
Fluid pressure motor system. W. E. O'Shei. 2,345,213; Mar. 28.
Folding chair. A. T. Deutsch. 2,345,330; Mar. 28.
Footwear. R. M. Evans. 2,345,187; Mar. 28.
Forging compound. W. D. Hodson. 2,345,198; Mar. 28.
Fractional distillation, Process and apparatus for. M. R. Fenske. 2,344,984; Mar. 28.
Frequency modulator. M. G. Crosby. 2,345,101; Mar. 28.
Furnace: *See*—
Annealing furnace.
Furnace. W. S. Blauvelt and N. A. Curry. 2,345,231; Mar. 28.
Furnace construction. M. B. Owen. 2,345,497; Mar. 28.
Furnaces for roasting and the like, Method of and apparatus for operating shaft. B. Osann. 2,345,067; Mar. 28.
Fuse. J. H. Church and G. J. Kessenich. 2,344,968; Mar. 28.
Galvanizing, Method of. E. A. Matteson. 2,345,058; Mar. 28.
Garment hanger. C. A. Isaacson. 2,345,398; Mar. 28.
Garment hanger accessory and hanger. W. R. Kohl and W. W. McFall. 2,345,483; Mar. 28.
Gas burner. A. F. Erickson. 2,345,247; Mar. 28.
Gauge: *See*—
Combination gauge.
Gauge. S. Dietz. 2,345,103; Mar. 28.
Gear: *See*—
Aircraft alighting gear. Feed gear.
Gear and making the same, Sprocket. K. T. Keller. 2,345,343; Mar. 28.
Gear checking apparatus. H. W. Semar. 2,345,298; Mar. 28.
Generator: *See*—
Oil gas generator.
Geneva drive. A. Martin. 2,345,139; Mar. 28.
Geochemical prospecting. R. T. Sanderson. 2,345,219; Mar. 28.
Glass, Bullet-resisting. J. H. Fox. 2,345,336; Mar. 28.
Governing system for prime movers, Hydraulic. A. F. Schwendner. 2,345,297; Mar. 28.
Governor for call transmitters, Speed. H. W. Goff, C. R. Moore and O. L. Walter. 2,345,471; Mar. 28.
Grinding machine. W. F. Fraser. 2,345,189; Mar. 28.
Gun barrel. W. Born. 2,345,089; Mar. 28.
Gun barrels, Manufacture of rifled. W. C. Rickrode. 2,345,359; Mar. 28.
Gun having sliding and interchangeable barrel. K. Kehne. 2,345,127; Mar. 28.
Gun sight and mounting. F. M. Smith. 2,345,363; Mar. 28.
Gyroscope for automatic steering, Angular rate. G. Wünsch, A. Kronenberger, and K. Bauer. 2,345,169; Mar. 28.
Hack saw machine, Power-driven. O. M. Jensen. 2,345,261; Mar. 28.
Halides, Purification of liquid. A. Pechukas. 2,345,214; Mar. 28.
Handle: *See*—
Electric welding handle. Latch handle.
Handle assembly. E. G. Simpson. 2,345,075; Mar. 28.
Handling device. L. E. Deloghia. 2,344,940; Mar. 28.
Hanger: *See*—
Clothes hanger. Garment hanger.
Harvesting machine. S. G. Washburn. 2,345,542; Mar. 28.
Hat crown pouncing machine construction. B. D. Wells. 2,345,369; Mar. 28.
Hatch construction for ships. T. P. Hogan. 2,345,394; Mar. 28.
Heat exchange. E. A. Bertram and D. Fulton. 2,345,319; Mar. 28.
Heat exchange unit. C. R. Keep. 2,345,536–7; Mar. 28.
Heat interchange apparatus. G. E. Dono and R. H. Goddard. 2,345,331; Mar. 28.
Heating pad. D. C. Simpson and A. L. Simison. 2,345,300; Mar. 28.
Heating system. R. E. Moore. 2,345,209; Mar. 28.
Helicopter and gyroplane. J. A. J. Bennett. 2,344,967; Mar. 28.
High frequency excitation. A. H. Toepfer. 2,345,162; Mar. 28.
High pressure pump. M. W. Huber. 2,345,125; Mar. 28.
Holder: *See*—
Cosmetic stick expellant holder. Photographic film holder. Record holder.
Cutting tool holder.
Holding device. A. Jensen. 2,345,051; Mar. 28.
Hollow products, Production of. W. Opavsky. 2,345,144; Mar. 28.
Hook for lifesaving crafts, Automatic releasing. J. Szodomka. 2,345,366; Mar. 28.
House, Demountable. J. R. Petter. 2,345,500; Mar. 28.
Humidifying apparatus. D. Gessner. 2,344,942; Mar. 28.
Hydrator cap. C. W. Hall. 2,345,044; Mar. 28.
Hydraulic brake control system. E. B. Morgan and J. F. Woods. 2,345,280; Mar. 28.
Hydrocarbons, Alkylation of. F. H. Bruner, L. A. Clarke, and R. L. Sawyer. 2,345,095; Mar. 28.
Hydrocarbons, Catalytic conversion of. R. E. Burk and E. C. Hughes. 2,345,096; Mar. 28.
Hydrocarbons, Conversion of. K. J. Korpi. 2,345,128; Mar. 28.
Hydrocarbons, Conversion of. W. B. Shanley. 2,344,950; Mar. 28.
Ice mold with positive atmospheric release. L. L. Mallard. 2,345,206; Mar. 28.
Illuminating apparatus. B. Cramer. 2,345,382; Mar. 28.
Indicator: *See*— Specific gravity indicator.
Liquid level indicator.
Indicator device for amplifier tubes, Fault. H. J. Fründt and W. Schönfeld. 2,345,042; Mar. 28.
Inner spring support. E. H. Tompkins. 2,345,438; Mar. 28.
Insert for molded articles. L. H. Amrine. 2,345,371; Mar. 28.
Instrument, Measuring. W. M. Bradshaw. 2,345,028; Mar. 28.
Insulation for electrical conductors. B. J. Barmack. 2,345,229; Mar. 28.
Intercommunicating system. R. H. Herrick. 2,345,046; Mar. 28.
Interior chamber insulation. E. Lodwig. 2,345,204; Mar. 28.
Internal combustion engine. F. L. Knowles. 2,345,268; Mar. 28.
Internal combustion engine. A. Lysholm. 2,344,993; Mar. 28.
Internal combustion engine. M. Mallory. 2,345,056; Mar. 28.
Internal combustion engine of the solid injection type. F. G. H. Hedlund. 2,345,256; Mar. 28.
Investment composition. R. Neiman. 2,345,211; Mar. 28.
Iron: *See*—
Lifting and portable moving iron. Steam iron.
Ironing device. E. E. Foster. 2,345,251; Mar. 28.
Irrigation control system. S. L. Dias. 2,345,466; Mar. 28.
Knitting machine, Flat. M. Nebel. 2,345,064; Mar. 28.
Label, tag, and the like. W. Kahn. 2,345,342; Mar. 28.
Lamp bracket and the like, Adjustable. C. L. Heyermans. 2,345,393; Mar. 28.
Lapping apparatus. D. A. Wallace. 2,345,308; Mar. 28.
Latch handle. U. L. Thomas. 2,345,304; Mar. 28.

Leg assembly for composite metal and wood furniture. J. S. Burdick. 2,345,178; Mar. 28.
Level control, Automatic. J. R. Boykin. 2,345,026; Mar. 28.
Level controlling mechanism, Automatic. H. R. Breslau. 2,345,092; Mar. 28.
Lever. C. G. Strandlund. 2,345,015; Mar. 28.
Lifting and portable moving iron. J. C. Chenette. 2,345,381; Mar. 28.
Lifting utensil. R. E. Cyr. 2,345,183; Mar. 28.
Light beams, Transmission and modulation of. B. F. Atwood. 2,345,445; Mar. 28.
Light modulating apparatus and method. G. W. Willard. 2,345,441; Mar. 28.
Lighting control system. H. E. Lippman. 2,345,135; Mar. 28.
Lighting structure. T. A. Carter, Jr. 2,345,234; Mar. 28.
Liquid dispensing apparatus. M. J. Goldberg. 2,345,338; Mar. 28.
Liquid-fuel burner. I. Lubbock and R. O. Nash. 2,345,402; Mar. 28.
Liquid fuel composition. W. A. Schulze and J. P. Lyon, Jr. 2,345,296; Mar. 28.
Liquid level indicator. E. A. Korevec. 2,345,054; Mar. 28.
Lock slider for separable fasteners. D. Marinsky. 2,345,348; Mar. 28.
Lubricant, Emulsifiable. W. D. Hodson. 2,345,199; Mar. 28.
Luting machine. F. D. Grim. 2,345,534; Mar. 28.
Machine for making T's of metal tubing. J. Q. Holmes and B. S. Sample. 2,345,123; Mar. 28.
Machine tool tracer regulator. C. R. Hanna. 2,345,116; Mar. 28.
Machine tool transmission and control mechanism. J. B. Armitage and T. F. Eserkaln. 2,345,171; Mar. 28.
Magnetic plug. T. E. Brooks. 2,345,029; Mar. 28.
Mandrel, Expansible. P. P. Elka. 2,345,246; Mar. 28.
Marker, Cattle. W. F. Schacht. 2,345,293; Mar. 28.
Mattress, Pneumatic. G. H. Perry. 2,345,421; Mar. 28.
Maximum capacity safety valve. E. K. Falls. 2,345,389; Mar. 28.
Means for vehicle wheels, Antiskid. N. H. Copp. 2,344,972; Mar. 28.
Measuring apparatus, Density. J. F. Luhrs. 2,345,272; Mar. 28.
Mercury detecting method and apparatus. P. H. Brace. 2,345,090; Mar. 28.
Meter: *See*—
Power meter.
Meter mounting. A. A. Young. 2,345,084; Mar. 28.
Microphone, Carbon. A. Ueberschuss. 2,345,078; Mar. 28.
Mill: *See*—
Ore mill.
Milling cutter. E. F. Aber. 2,344,954; Mar. 28.
Milling machine cutter. E. F. Aber. 2,344,955; Mar. 28.
Milling machine, Molding sand. H. L. Burg. 2,345,457; Mar. 28.
Mining machine. G. E. Suiter. 2,345,303; Mar. 28.
Mirrors, Manufacturing. W. Owen. 2,345,356; Mar. 28.
Mixing apparatus, especially adapted for mixing pulverized materials. J. E. Nauta. 2,345,063; Mar. 28.
Mixing machine. E. J. Karp. 2,345,266; Mar. 28.
Mold. P. M. Mueller. 2,345,493; Mar. 28.
Motor. A. Rappl. 2,344,949; Mar. 28.
Motor control and braking system. G. R. Purifoy. 2,345,150; Mar. 28.
Motor for sound recording apparatus. P. Beer and P. V. I. P. Anneberg. 2,345,087; Mar. 28.
Motor vehicle. F. C. Best. 2,345,448; Mar. 28.
Mounting: *See*—
Meter mounting.
Mounting ferrule and handle for utensil. S. W. Farber. 2,345,248; Mar. 28.
Mounting for guns or similar apparatus. H. Scott-Paine. 2,345,504; Mar. 28.
Mowing machine. J. S. Curtis. 2,345,383; Mar. 28.
Navigational instrument. L. A. Warner. 2,345,020; Mar. 28.
Net and cap, Hair. E. P. Marder and W. N. Green. 2,345,407; Mar. 28.
Net, Hair. A. E. Hunter. 2,345,396; Mar. 28.
Nitrogen bases. C. L. Read and A. P. Hewlett. 2,345,005; Mar. 28.
Nonrefillable container. S. H. Benjamin. 2,344,961; Mar. 28.
Oil, Compounded mineral. F. W. Kavanagh, B. B. Farrington, and J. O. Clayton. 2,344,988; Mar. 28.
Oil gas generator. M. M. Brandegee. 2,345,529; Mar. 28.
Oil, Lubricating. E. W. Cook and P. H. Moss. 2,345,239; Mar. 28.
Oil, Lubricating. S. M. Roberts. 2,345,156; Mar. 28.
Oil skimmer. C. L. Pruiett and H. W. Amner. 2,345,426; Mar. 28.
Oils, Conversion of hydrocarbon. W. E. Kuhn. 2,345,129; Mar. 28.
Oils, Treating fatty. L. O. Buxton. 2,345,097; Mar. 28.
Oils, Treatment of hydrocarbon. E. R. Birkhimer. 2,345,449; Mar. 28.
Olefins, Esterification of. H. M. Guinot. 2,345,114; Mar. 28.
Ordnance. S. B. Howe. 2,345,340; Mar. 28.
Ore mill. F. J. Haverland. 2,345,474; Mar. 28.
Ores, Treatment of tin. I. E. Muskat. 2,345,210; Mar. 28.
Organic compound and producing the same. G. D. Miles. 2,345,061; Mar. 28.
Organic cyanine base. L. G. S. Brooker and R. H. Sprague. 2,345,094; Mar. 28.
Organic materials, Neutralizing. G. D. Miles, C. W. Jakob, and J. H. Percy. 2,345,465; Mar. 28.
Ornament with light effects. G. Weiss. 2,345,517; Mar. 28.
Packing device, Molded pulp egg. F. W. Manson. 2,345,274; Mar. 28.
Pad: *See*—
Heating pad.
Padded garment construction. L. Bayes. 2,345,527; Mar. 28.
Patch. E. Dugaw. 2,345,469; Mar. 28.
Penetrant, Mercerizing. A. De Castro. 2,345,036; Mar. 28.
Percussion type motor assembly. C. E. Bannister. 2,345,024; Mar. 28.
Perforation cleaner for pipe. W. G. Bradford. 2,345,027; Mar. 28.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,344,976–80; Mar. 28.
Photographic apparatus. C. L. Walsh, L. Isaacs, and A. M. Mercur. 2,345,225; Mar. 28.
Photographic film holder. B. L. Smith. 2,344,951; Mar. 28.
Photographic tank. F. M. Morgan and S. Wallace. 2,344,998; Mar. 28.
Pigments, Treatment of. F. Gage. 2,345,191; Mar. 28.
Pin: *See*—
Reinforced insulator pin.
Pipe bending tool. W. O. Dick. 2,345,102; Mar. 28.
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CLASSIFICATION OF PATENTS

ISSUED MARCH 28, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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[Decisions of U. S. Court of Customs and Patent Appeals are indicated by a star (*); and of the Supreme Court of the United States by the letter (ˢ).]

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Adjudicated Patents

(C. C. A. Ill.) Smith design patent, No. 101,485 for an ampule, *Held* invalid. *Smith* v. *Dental Products Co.*, 140 F.(2d) 140.

(C. C. A. Ill.) Smith patent, No. 1,328,459 for instrument for producing intra-osseous anesthesis, *Held* not infringed. *Id.*

(C. C. A. Ill.) Smith patent, No. 1,384,355 for hypodermic needle, *Held* not infringed. *Id.*

(C. C. A. Ill.) Smith patent, No. 1,718,602 for syringe construction, claim 7 *Held* valid but not infringed. *Id.*

(C. C. A. N. Y.) Johnson patent, No. 1,866,771 for wrench, claim 4 *Held* invalid. *Johnson* v. *Henricks*, 140 F.(2d) 108.

(C. C. A. Ohio). Miller and Miller patent, No. 1,949,971 for brake gauge adjuster, *Held* invalid. *Lempco Products* v. *Simmons*, 140 F.(2d) 58, affirming 46 F. Supp. 281.

(D. C. Del.) Tubbs patent, No. 1,977,536 for electrical system, claims 1, 3–11 *Held* not infringed, claim 2 *Held* invalid. *Loftin* v. *R. C. A. Mfg. Co.*, 53 F. Supp. 519.

(D. C. Ohio). Barnhart patent, No. 2,050,554 for golf club shaft, claims 1–7 *Held* invalid. *James Heddon's Sons* v. *American Fork & Hoe Co.*, 53 F. Supp. 496.

(D. C. Mo.) Riley patent, No. 2,127,310 for hydrogen zeolite water treatment, *Held* valid. *National Aluminate Corporation* v. *Permutit Co.*, 53 F. Supp. 501.

(D. C. Mo.) Vaughan patent, No. 2,190,853 for conditioning water, *Held* valid and infringed. *Id.*

(D. C. Mo.) Liebknecht patent, No. 2,191,060 for carbonaceous zeolite and the preparation thereof, *Held* valid and infringed. *Id.*

(D. C. Mo.) Smit patent, No. 2,191,063 for manufacturing absorbent and ion exchanging materials, *Held* valid and infringed. *Id.*

(D. C. Mo.) Smit patent, No. 2,205,635 for method of changing the character of solutions by base exchange, *Held* valid and infringed. *Id.*

(D. C. Mo.) Liebknecht patent, No. 2,206,007 for process for the production of conversion products from carbonaceous materials, *Held* valid and infringed. *Id.*

(C. C. A. Ill.) Smith reissue patent, No. 17,906 for hypodermic syringe, claims 1, 2, 10–18, inclusive, 26, 27, and 28, *Held* not infringed. *Smith* v. *Dental Products Co.*, 140 F.(2d) 140.

Interference Notice

U. S. Patent Office, *Richmond, Va., March 17, 1944.*

Dixie Baking Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Grocers' Biscuit Company, Incorporated, 654 South Seventh Street, Louisville, Ky., for registration of a trade-mark and trade-mark registered April 16, 1929, No. 255,174, to Dixie Baking Company, 2301 South Irvay Street, Wilmington, Del., and notice of such declaration sent by registered mail to said Dixie Baking Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dixie Baking Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,295,748, F. V. Moore, Addressing machine, decided February 12, 1944, claim 4.

Pat. 2,304,640, J. G. Joachin, Window regulator, decided March 13, 1944, claims 1, 3, 5, 6, and 7.

Condition of Applications Under Examination at Close of Business March 18, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,595; Trade-Mark Division, 1,120. Oldest new case, Apr. 14, 1943; oldest amended, May 3, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry: Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 11	Nov. 19	398
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 3	Sept. 21	480
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 20	July 24	954
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 15	July 30	486
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Aug. 28	Aug. 25	904
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 2	Aug. 9	1,239
7. JARBOE, C. G., Optics, Photography	Oct. 29	Oct. 11	678
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 13	Nov. 11	450
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 23	Sept. 16	686
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Oct. 26	Oct. 16	290
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 23	July 1	907
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Sept. 20	Sept. 29	508
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Nov. 8	Nov. 8	587
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Sept. 15	Aug. 18	735
16. SPENCER, C. J., Telegraphy; Telephony	Oct. 6	Oct. 10	539
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 29	July 8	537
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 13	May 3	816
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 26	Aug. 26	487
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 16	Sept. 25	405
21. THOMPSON, T. J., Textiles	Oct. 27	Sept. 18	382
22. CARPENTER, B. H., Aeronautics: Firearms; Ordnance	July 23	July 27	1,131
23. BARROWS, B., Cash Registers; Calculators (part)	June 17	June 10	190
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Oct. 18	Oct. 13	552
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 21	Sept. 22	713
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 14	July 1	888
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 1	June 26	553
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	July 8	July 13	686
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 13	Sept. 28	605
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	June 17	June 18	1,013
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Sept. 30	Oct. 5	1,152
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 27	Aug. 21	629
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 20	Oct. 25	638
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders: Signals and Indicators.	Oct. 16	Aug. 13	519
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 19	Sept. 16	411
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 17	Oct. 15	335
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 18	Aug. 10	669
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	July 19	July 15	497
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 11	Oct. 20	580
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 15	Nov. 9	591
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines: Check-Controlled Apparatus.	July 17	July 24	410
42. MARANS, H., Electric Signaling	Nov. 13	Oct. 30	368
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 1	Aug. 9	739
44. HARVEY, L. P., Refrigeration; Preserving	Sept. 6	July 16	383
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Sept. 21	Sept. 23	832
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 14	Sept. 25	506
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Oct. 4	Oct. 8	654
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Aug. 16	Aug. 7	854
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 20	Aug. 24	613
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Sept. 3	Sept. 3	1,289
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	Aug. 9	Aug. 11	1,349
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 21	Aug. 28	758
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 12	Aug. 7	345
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 13	May 23	713
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	July 23	July 28	634
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 23	Sept. 11	727
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 14	Aug. 6	618
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 6	July 29	603
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Aug. 11	Aug. 2	1,311
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	July 23	July 23	690
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	July 26	Aug. 14	434
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Nov. 1	Nov. 5	642
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	July 22	July 24	917
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Oct. 20	Oct. 20	1,055
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 15	June 14	860
	†Jan. 26	†Jan. 26	1,120
Trade-Marks: RICHMOND, F. A.	†Feb. 3	†Feb. 17	471
Designs: KALUPY, H. H.			

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

MANTZ *v.* JACKSON

No. 4,782. Decided January 3, 1944

[— F.(2d) —]

1. APPEAL—TECHNICAL QUESTION—ERROR.

"We have concurring opinions by the Primary Examiner and the Board of Interference Examiners relating to a subject-matter which is highly technical in character, and we think the principle that under such circumstances appellant is under a heavy burden to show that the concurring decisions are erroneous applies here."

2. INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the appealed counts are supported by the disclosure of the reissue application of Jackson, the senior party, and that as to said counts, priority properly was awarded to him.

3. SAME—QUESTIONS ANCILLARY TO PRIORITY.

The question whether the counts, made by Jackson in his reissue application, are drawn to the same invention as that claimed by him in his original patent *Held* not ancillary to priority.

4. APPEAL—JURISDICTION.

"We could not consider the question because no reason of appeal has been assigned which brings this question here for consideration. In this jurisdiction we are limited by statute to the questions raised by the reasons of appeal. R. S. § 4914, 35 U. S. C. § 62 (1940)."

APPEAL from the Patent Office. Affirmed.

Messrs. Brown, Jackson, Boettcher & Dienner (*Mr. Charles V. Hildebrecht, Mr. Arthur H. Boettcher* and *Mr. Henry H. Babcock* of counsel) for Mantz.

Messrs. Stebbins and Blenko and *Messrs. Smith, Michael & Gardiner* (*Mr. William H. Webb* of counsel) for Jackson.

BLAND, *J.*:

This is an appeal from the decision of the Board of Interference Examiners of the United States Patent Office in an interference proceeding involving a patent, No. 2,213,844, to Harold A. Mantz, granted September 3, 1940, on an application filed November 10, 1938, and an application of Wilbur F. Jackson filed February 7, 1941, for reissue of his Patent No. 2,201,399, granted May 21, 1940, on an application filed January 7, 1938. Jackson, therefore, is the senior party.

As originally declared, the interference comprised five counts corresponding to five claims in the Mantz patent, which Jackson copied into his application for reissue. Mantz, in response to an order to show cause why judgment on the record should not be entered against him, moved to dissolve the interference as to counts 1, 2, and 5 on the ground that Jackson's disclosure did not support them. The Primary Examiner granted the motion as to count 5 but denied it as to counts 1 and 2.

On final hearing, the Board of Interference Examiners reviewed the question as to Jackson's right to make counts 1 and 2 and, holding that these counts were supported by Jackson's disclosure, awarded priority to Jackson. Jackson's record date being earlier than that of Mantz, judgment of priority was entered in favor of Jackson as to counts 1 to 4, inclusive.

The only issue before this court is with respect to Jackson's right to make counts 1 and 2, although appellant has advanced another contention to which we shall refer hereinafter.

Counts 1 and 2 read as follows:

1. In a device of the character described, in combination, a control device having an electromagnet provided with an armature connected to *a controlling member* and adapted when energized to hold said member in operating position and when deenergized to release said member for movement to a safety position, a shutoff cock, *reset means for resetting said armature to attracted position and said controlling member to operating position*, and *means for preventing the resetting operation of said reset means except when said shutoff cock is closed.*

2. In a device of the class described, a shutoff valve, *a reset stem mounted for reciprocatory movement*, means adapted to be reset by reciprocatory movement of said stem and *means cooperable with said stem and movable laterally thereof* when the valve is closed to permit operation of said reset means, said last means being held against lateral movement to prevent operation of said reset means when said valve is open. [Italics not quoted.]

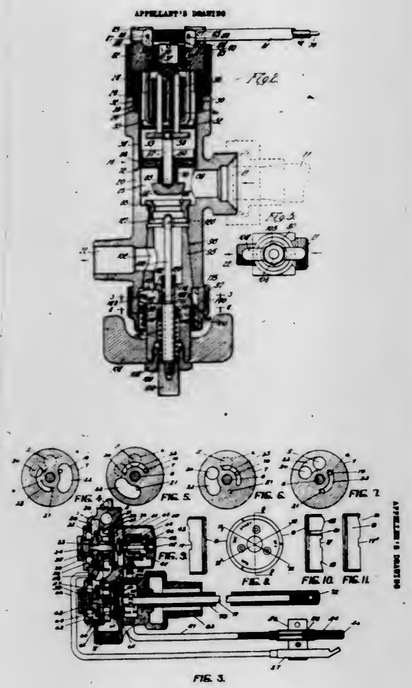
Broadly speaking, the invention of the counts relates to a safety device for controlling the flow of fuel to the burners of gas appliances and the like, for example, a gas water heater. The object is to provide a device including a thermoelectrically controlled valve responsive to the heat generated by a pilot burner (or rather to the current generated by a thermocouple placed adjacent the pilot flame), a shutoff cock, and means for resetting the thermoelectrically controlled valve when closed, as well as means for preventing the resetting of said valve except when the shutoff cock is closed. This arrangement prevents the flow of gas to the main burner of the gas appliance on which the device is used while the pilot burner is extinguished.

It is stated in appellant's brief:

It is particularly important that no gas flow to the main burner until after the pilot burner has been lit. There are two obvious reasons for that. The flow of gas to the main burner is in considerable volume and would result in quickly filling the compartment enclosing that burner with a highly explosive gas-air mixture, causing a serious and often disastrous explosion when it is attempted to reignite the pilot burner. Secondly, if gas is supplied to the main burner at the same time it is supplied to the pilot burner, and the pilot burner is immediately lighted, the gas from the main burner will also be lighted with the risk of serious burning of the user's hand or of setting the user's clothing afire. Those things can happen and have happened, in using defective so-called safety devices of this general type and, profiting by experience, the requirements of the American Gas Association that devices of this type be safe in fact have become increasingly stringent.

The devices of both parties, as described in their respective patents, are quite complicated and comprise many parts. This makes it difficult to describe the devices so that the real crux of the controversy may be easily understood. We think,

therefore, that it will promote clarity to reproduce here one of the drawings of each of the parties.



The questions here raised by appellant (except one question appellant seeks to present which we will discuss later herein) are, judging from the decisions of the tribunals below, the same as those which were presented there. The Board's statement of appellant's contentions would therefore seem to be sufficient for the most part for our purposes here, and we quote the following from the Board's decision:

> Mantz contends that Jackson has no right to make count 1 for the reason that Jackson does not disclose an armature connected to the controlling member and, further, that Jackson does not disclose structure wherein the resetting means resets the armature to attracted position and said controlling member to operating position.
>
> As to the first contention, it appears in the structure as disclosed by Jackson that the stem 46 may properly be read as the controlling member as set forth in this count. The armature 47 is mounted on this member and abuts against the shoulder thereon and at all times is maintained in this abutting relationship by the spring 48. It therefore appears that the armature is connected to the controlling member at least as much as that of Mantz who describes a loose connection between the armature 55 and stem 57. The mere statement of connection in the count is not deemed to require a rigid connection and, in fact, such rigid connection is not disclosed by either party.
>
> As to the second ground, Mantz contends that the resetting means consisting of Jackson's bell crank 41 and the actuating cam 43 does not reset Jackson's controlling member to operating position but that instead the spring 48 is the actuating means which causes the armature to move to attracted position. It is to be noted, however, that the spring 48 cannot act to move the armature 47 and the controlling member 46 until the bell crank 41 is moved to reset position by the cam 43. Accordingly it is believed that Jackson fully discloses reset means for resetting the armature to attracted position and the controlling member to operative position.
>
> With respect to count 2 Mantz contends that Jackson does not disclose reset means which moves laterally of the reset stem or that the means is held against lateral movement. In the device of Jackson it is deemed proper to refer to the member 46 as the reset stem. We further deem that the statement "lateral movement" can only be interpreted as movement in a direction generally perpendicular to the axis of the stem. Under such an interpretation the end of bell crank 41 moves laterally of the stem 46 as does also the cam member 43 when the control means 9 is turned and either of these members could be termed resetting means as defined in the count and, since we deem that both members move laterally of the reset stem, Jackson fully supports the first mentioned limitation of count 2.
>
> Mantz contends that in the Jackson device the reset means is not held against lateral movement by reason of the fact that when operation of the control 9 is prevented by actuation of the lever 78, the member 41 still may be moved. This is probably true if the device is not operated in the manner intended and if it is tampered with by some means to pry the lever 41 away from the control 9. However, we do not deem that the count is so restricted as to define the preventing of operation even by unauthorized tampering. In any event, the cam member 43 is positively prevented from lateral movement under any conditions when the main valve is in open position and the lever 78 has thus been actuated.

[1] It will be observed that we have concurring opinions by the Primary Examiner and the Board of Interference Examiners relating to a subject-matter which is highly technical in character, and we think the principle that under such circumstances appellant is under a heavy burden to show that the concurring decisions are erroneous applies here. *Jardine* v. *Hartog*, 17 C. C. P. A. (Patents) 764, 36 F.(2d) 606, 4 U. S. P. Q. 281, 392 O. G. 738; *In re Demarest*, 17 C. C. P. A. (Patents) 904, 38 F.(2d) 895, 5 U. S. P. Q. 223, 396 O. G. 4; *Angell* v. *Morin*, 21 C. C. P. A. (Patents) 1018, 69 F.(2d) 646, 21 U. S. P. Q. 116, 446 O. G. 720.

Appellant in this court urges that in order for both counts to read upon Jackson's disclosure, elements thereof must be regarded as responding to certain limitations in one count and yet regarded as being other and different elements when the other count is under consideration. For instance, Mantz states:

> In the Mantz patent, the controlling member is the safety shutoff valve 62, and the reset stem 106 is separate and distinct from and in no way connected to valve 62. How then can these counts be construed, in accordance with the disclosure of the Mantz patent, as they must be, so that one element (rod 46 of Jackson) becomes two—the controlling member in one case and the reset stem in the other case? It is submitted that such liberal interpretation of the counts is not permissible.
>
> If the rod 46 of Jackson is the "controlling member" of count 1, it cannot be the "reset stem" of count 2, since the function of the reset stem of the Mantz patent is to reset the controlling member, and the rod 46 of Jackson cannot reset itself. Nor does rod 46 reset anything. • • •

We think that, in view of the statement of appellant's contentions set out by the Board, the foregoing quotation from appellant's brief illustrates the nature of the controversy between the parties and that all the arguments made by appellant to sustain his position that Jackson has no right to make the counts need not be enumerated here.

Appellant has here stressed with great earnestness the following:

> The counts are clear on their face. *There is no ambiguity about them;* and, if they needed construction, they would have to be construed according to the Mantz disclosure. [Italics not quoted.]

If there is no ambiguity and no need for construction, and if the counts broadly read upon the Jackson disclosure, it is not seen how it can logically be urged that there is any necessity for confusing the issues by considering the many contentions which appellant makes with respect to what the language means in his patent. See *Schultz* v. *Dunham*, 21 C. C. P. A. (Patents) 706, 67 F.(2d) 501, 19 U. S. P. Q. 285, 438 O. G. 985; *Bechtold* v. *Lanser*, 23 C. C. P. A. (Patents) 1051, 82 F.(2d) 415, 29 U. S. P. Q. 130, 470 O. G. 723; *Frey* v. *Wagner*, 24 C. C. P. A. (Patents) 823, 87 F.(2d) 212, 32 U. S. P. Q. 239, 479 O. G. 995; and *Holdsworth* v. *Goldsmith*, 29 C. C. P. A. (Patents) 1047, 129 F.(2d) 571, 54 U. S. P. Q. 90, 542 O. G. 791. Compare *Field* v. *Stow*, 18 C. C. P. A. (Patents) 1437, 49 F.(2d) 840, 9 U. S. P. Q. 347, 412 O. G. 557; *Sweetland* v. *Cole*, 19 C. C. P. A. (Patents) 751, 53 F.(2d) 709, 11 U. S. P. Q. 174, 415 O. G. 4; *Hansgirg* v. *Kemmer*, 26 C. C. P. A. (Patents) 937, 102 F.(2d) 212, 40 U. S. P. Q. 665, 505 O. G. 514, and cases there cited.

[2] It is clear to us, as it was to the tribunals below, that when the counts are interpreted broadly (and we must so interpret them) they read upon the Jackson structure in the manner pointed out by the Board. It is a fact that with respect to count 1 the Board relied upon a certain element of the Jackson disclosure as meeting a certain limitation of that count, while in considering count 2 the same element was relied upon as meeting an entirely different limitation. However, we have no reason to believe that the Board erred in this respect, since the question with which it was concerned (and with which we are concerned here) was the determination of whether or not the counts broadly read upon the Jackson disclosure. It is true, and we think it is obvious to all concerned, that the involved counts contain language that may be regarded as somewhat inappropriate in describing the Jackson device. Nevertheless, this situation cannot be prevented where the counts are broad and read on Jackson's structure.

We agree with the tribunal appealed from in each of its findings with respect to Mantz's contentions. Since it would only extend this opinion unnecessarily to restate them, and since we have quoted the Board's opinion in extenso, we think it sufficient for the purposes of our decision to state that the views expressed by the Board with respect to the contentions of Mantz meet with our full approval.

But one other argument requires attention here. Appellant argues at great length that it should not be held that Jackson has the right to make the counts for the reason that the invention claimed in the original Jackson patent is not the invention of the involved counts. Mantz has analyzed the original claims of the Jackson patent and attempted to point out in what respects they relate to an invention wholly different from the one at bar, urging that the term "means for preventing resetting except when the gas cock is closed" is the "vitalizing feature of the Mantz invention and an essential element of each of the claims in issue," and that this feature was not covered by the original claims in the Jackson patent. For this reason, appellant urges that Jackson is estopped to claim the invention of the counts by reissue and has cited *Jenks* v. *Knight*, 24 C. C. P. A. (Patents) 1227, 90 F.(2d) 654, 33 U. S. P. Q. 601, 485 O. G. 262; *Avery* v. *Chase*, 26 C. C. P. A. (Patents) 823, 101 F.(2d) 205, 40 U. S. P. Q. 343, 502 O. G. 875; and *Bechtold* v. *Lanser*, supra, in support of his argument that the question of estoppel is ancillary to the question of priority and a proper matter for our consideration.

[3] [4] We cannot consider this question for two reasons. First, questions of patentability are matters for ex parte consideration in the Patent Office and are not ancillary to priority. *Brogden* v. *Slater*, 17 C. C. P. A. (Patents) 1240, 40 F.(2d) 988, 5 U. S. P. Q. 145, 399 O. G. 630; *Dreyfus* v. *Lilienfeld*, 18 C. C. P. A. (Patents) 1539, 49 F.(2d) 1062, 9 U. S. P. Q. 522, 413 O. G. 862; *Herthel et al.* v. *Dubbs*, 20 C. C. P. A. (Patents) 1128, 65 F.(2d) 138, 17 U. S. P. Q. 476, 437 O. G. 3; *Hess* v. *Dreyfuss*, 26 C. C. P. A. (Patents) 1407, 104 F.(2d) 801, 42 U. S. P. Q. 142, 509 O. G. 11; and *Scheinman* v. *Zalkind*, 27 C. C. P. A. (Patents) 1354, 112 F.(2d) 1017, 46 U. S. P. Q. 141, 521 O. G. 793. The cases cited by appellant on the contention with respect to estoppel involved altogether different factual situations and are not in point here. And second, if we were in error in this regard, though we feel sure that the law is too well settled to admit of conflicting views, we could not consider the question because no reason of appeal has been assigned which brings this question here for consideration. In this jurisdiction we are limited by statute to the questions raised by the reasons of appeal. R. S. § 4914, 35 U. S. C. § 62 (1940). Moreover, appellee states, and it is not denied, that this subject-matter was not considered by the tribunals below. Certainly the decisions of the tribunals below do not disclose that either of them gave any consideration to this phase of the controversy.

Holding as we do that both counts read upon Jackson's disclosure and this being the only question involved in the case which we need consider, the decision of the Board of Interference Examiners should be, and is, affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,652,703. (See 1,735,732.)

1,679,934, J. F. Duby, Geometric instrument; 2,046,529, J. W. Morse, Method and apparatus for determining the alignment of dirigible vehicle wheels; 2,061,326, Morse & Phillips, Automobile wheel aligning apparatus; 2,153,867, H. G. Holmes, Bending tool, D. C., S. D. Ill., N. Div., Doc. P–86, *Food Machinery Corp. et al.* v. *Bear Mfg. Co.* Judgment providing injunction Feb. 24, 1944.

1,735,732, A. S. Cushman, Protecting metal culverts; 1,652,703, same, Corrugated metal culverts, C. C. A., 6th Cir., Doc. 9433, *The American Rolling Mill Co.* v. *The Republic Steel Corp.* Patents held invalid as to claims in issue Feb. 16, 1944.

1,790,611. (See 1,871,099.)

1,797,476, McCain & McCain, Agricultural machine, filed Feb. 22, 1944, D. C., N. D. Tex. (Lubbock), Doc. 267, *W. D. Wilkins et al* v. *E. Grier et al.*

1,811,524. (See 1,871,099.)

1,871,099, M. Vitoux, Needle-holding handle; 1,790,611, same, Knitting needle; 1,811,524, same, Needle for repairing knitted articles, D. C., S. D. N. Y., Doc. 17/47, *American Vitos Co., Inc.*, v. *Alka Mfg. & Sales Corp. et al.* Patents 1,790,611 and 1,811,524 dismissed by stipulation and order May 20, 1943; cause dismissed with prejudice (on consent) Feb. 15, 1944.

1,904,912, C. F. Wolters, Monolithic filing cabinet and attachments therefor, C. C. A., 6th Cir., Doc. 9561, *Remington Rand, Inc.*, v. *Meilink Steel Safe Co.* Patent held not infringed Feb. 16, 1944.

1,955,569, H. I. Warden, Licensing of motor vehicles, C. C. A., 8th Cir., Doc. 12,727, *H. I. Warden* v. *City of St. Louis, Mo.* Decision of lower court affirmed Feb. 14, 1944.

2,046,529. (See 1,679,934.) 2,061,326. (See 1,679,934.)

2,087,190, A. E. Gessler, Printing ink, appeal filed Feb. 24, 1944, C. C. A., 2d Cir., Doc. —, *Interchemical Corp.* v. *Sinclair & Carroll Co., Inc.*

2,110,118, Robertson & Staples, Fabric and method of and apparatus for treating same, D. C., S. D. N. Y., Doc. 9/337, *Mount Hope Finishing Co.* v. *International Flouncing Co., Inc.* Consent order dismissing action with prejudice Feb. 15, 1944.

2,118,888, Lewis & Meniham, Master copy sheet, filed Feb. 26, 1944, D. C., E. D. N. Y., Doc. 3653, *Old Town Ribbon & Carbon Co., Inc.* v. *Columbia Ribbon & Carbon Mfg. Co., Inc., et al.*

2,127,310. (See 2,191,063.) 2,153,867. (See 1,679,934.)

2,190,853. (See 2,191,063.) 2,191,060. (See 2,191,063.)

2,191,063, P. Smit, Manufacture of absorbent and iron exchanging materials; 2,205,635, same, Method of changing the character of solutions by base-exchange; 2,191,060, O. Liebknecht, Carbonaceous zeolite and preparation thereof; 2,206,007, same, Process for the production of conversion products from carbonaceous materials; 2,190,853, W. Vaughan, Conditioning water; 2,127,310, R. Riley, Hydrogen zeolite water treatment, appeal filed Feb. 14, 1944, C. C. A., 8th Cir., Doc. 12827, *National Aluminate Corp.* v. *The Permutit Co.*

2,193,632. (See 2,261,726.)

2,196,815, L. T. Sawyer, Hair retaining comb, filed Feb. 16, 1944, D. C., N. D. Ohio, E. Div., Doc. 22196, *L. T. Sawyer et al.* v. *Phillips Brush Co.*

2,201,068, G. Wintritz, Manufacture of slide fasteners; 2,221,740, F. Ulrich, Manufacture of slide fastener elements, D. C. N. J., Doc. 2778, *L. Staff* v. *Conmar Products Corp.* Order of dismissal Feb. 23, 1944.

2,205,635. (See 2,191,063.) 2,206,007. (See 2,191,063.) 2,221,740. (See 2,201,068.)

2,261,726, 2,193,632, F. D. Jonas et al., Collapsible container, filed Mar. 1, 1944, D. C. N. Y. (Brooklyn), Doc. 3661, *Oxford Filing Supply Co.* v. *Mosell Mfg. Corp. et al.*

2,280,360, F. Z. Walsh, Garment, C. C. A., 2d Cir., Doc. —, *G. M. Friend, Inc.*, v. *American Dickey Corp.* Decree reversed (notice Feb. 25, 1944).

Des. 105,071, T. L. Hand, Fruit juice extractor; Des. 105,335, J. M. Majewski, Jr., Fruit press, C. C. A., 8th Cir., Doc. 12659, *Sears, Roebuck & Co.* v. *Rival Mfg. Co.* Judgment of lower court reversed; remanded to district court for proceedings Feb. 21, 1944.

Des. 105,335. (See Des. 105,071.)

Des. 114,976, M. Laczko, Dog sweater, D. C., S. D. N. Y., Doc. 19/22, *M. Laczko* v. *Michael De Mar et al.* Judgment dismissing complaint (notice Feb. 18, 1944).

Des. 131,392, S. Kuznetz, Dress ensemble; Des. 134,434, same, Suit, D. C., S. D. N. Y., Doc. 20/448, *Lipman Bros.* v. *L. & D. Beilinson, Inc.* Stipulation of dismissal (notice Feb. 25, 1944).

Des. 134,434. (See Des. 131,392.)

T. M. 299,548, Hat Corp. of America, Hats and caps for men, women and children, leather gloves, etc., D. C., W. D. N. C. (Charlotte), Doc. 335, *Hat Corp. of America* v. *E. Wender et al.* "Defendant ordered to bring about the cancellation of the certificate doing business under the assumed name Dobbs Jewelry & Loan Co."

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 4, 1944

[VOL. 561. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 463,573. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Sept. 22, 1943.

MERSIZE

FOR SYNTHETIC RESINS IN SOLID OR LIQUID FORM.
Claims use since June 11, 1943.

Ser. No. 466,063. CHARLES L. WURDEMAN, doing business as The Rezolin Company, Beverly Hills, Calif. Filed Dec. 24, 1943.

REZOLIN

FOR MATERIALS COMPRISING SYNTHETIC RESINS.
Claims use since Apr. 5, 1939.

CLASS 2

RECEPTACLES

Ser. No. 463,938. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943.

AIRLINE



FOR PAPER BAGS.
Claims use since 1940.

Ser. No. 463,941. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943.



No claim is made to the words "Blue Kraft" except in connection with other features of the mark.
FOR PAPER BAGS.
Claims use since 1927.

Ser. No. 463,943. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943.

EMERALD

FOR PAPER BAGS.
Claims use since 1927.

Ser. No. 463,948. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943.



No claim is made to the words "Orange Kraft" except in connection with other features of the mark.
FOR PAPER BAGS.
Claims use since 1927.

Ser. No. 465,952. DAVID M. LORENZ, Kansas City, Mo. Filed Dec. 21, 1943.

SCRAP-TRAP

The word "Scrap" is disclaimed apart from the mark.
FOR PAPER BAGS FOR ATTACHMENT TO HOLDERS TO RECEIVE WASTE MATERIALS.
Claims use since July 10, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 465,496. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Dec. 3, 1943.

SENECA FLAKES

No claim is made to the word "Flakes" apart from the mark.
FOR CLEANING, CLEANSING AND DETERGENT MATERIAL, PARTICULARLY ADAPTED FOR WASHING BOTTLES, BUT NOT LIMITED THERETO.
Claims use since July 21, 1938.

Ser. No. 466,566. CHARLES BAIN, Philadelphia, Pa. Filed Jan. 14, 1944.

THREE CHEERS

FOR SOAP COMPOUND FOR WASHING DISHES, SILVERWARE, AND GLASSES.
Claims use since Jan. 10, 1944.

Ser. No. 466,876. ESTATE OF LEONARD GRAZIADEI, doing business as Beau Brummel Polish Company, Worcester, Mass. Filed Jan. 26, 1944.

BEAU BRUMMEL B B SHOE POLISH

Applicant disclaims the words "Shoe Polish" apart from the mark.
FOR SHOE POLISH.
Claims use since Mar. 13, 1920.

Ser. No. 467,537. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Feb. 18, 1944.

P AND G

FOR SOAP.
Claims use since Jan. 1, 1905.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 449,529. ORAZIO PRINCIOTTA, doing business as N. P. Co., Jamaica Plain, Mass. Filed Dec. 16, 1941.

Dr. Montalbano's NUO-SCALP

No claim is made to the words "Dr. Montalbano's" and "Scalp" apart from the mark.
FOR HAIR TONIC AND DANDRUFF REMOVER.
Claims use since June 9, 1941.

Ser. No. 457,513. ALBERT V. SADACCA, Ann Arbor, Mich. Filed Dec. 18, 1942.



No claim is made to the words "Shops for Women" and "Exclusive But Not Expensive" apart from the mark.
FOR COSMETICS—NAMELY, LIPSTICKS, ROUGE, PERFUME, FACE POWDER, NAIL POLISH.
Claims use since Feb. 19, 1941.

Ser. No. 458,369. MILLER MANUFACTURING COMPANY, Camden, N. J. Filed Feb. 6, 1943.

WONDER SEAL

No claim is made to the word "Seal" except in the association shown.
FOR CHEMICALS FOR REPAIRING CRACKS IN METALS, PARTICULARLY CRACKS IN MOTOR BLOCKS OF INTERNAL COMBUSTION ENGINES, STEAM ENGINES, WATER JACKETS, CYLINDERS, VALVE PORTS, BOILERS, AND THE LIKE.
Claims use since Jan. 21, 1943.

Ser. No. 461,857. SEALED-IN VITAMINS, INC., New York, N. Y. Filed July 3, 1943.

ORADIN

FOR CONCENTRATE OF VITAMINS AND MINERALS FOR USE AS AN ADDITION TO FOODS FOR LIVESTOCK, DAIRY COWS, POULTRY, DOGS, AND FUR BEARING ANIMALS.
Claims use since May 12, 1943.

Ser. No. 461,995. ALBERT LABORATORIES, INC., Chicago, Ill. Filed July 12, 1943.

IERNOZ

FOR MEDICINAL PREPARATIONS OF BERBERIS FOR USE AS A GERMICIDE.
Claims use since Apr. 30, 1943.

Ser. No. 462,297. TEXTILE SERVICE, INC., Providence, R. I. Filed July 24, 1943.

Brytex

FOR PREPARATIONS FOR SIZING, FINISHING, DYEING, AND TREATMENT OF TEXTILES AND TEXTILE FIBRES, BOTH NATURAL AND SYNTHETIC.
Claims use since June 10, 1943.

Ser. No. 463,218. R. R. STREET & CO., INC., Chicago, Ill. Filed Sept. 3, 1943.

REP

FOR WATER REPELLENT FOR USE ON FABRICS.
Claims use since Aug. 1, 1943.

Ser. No. 466,033. ASSOCIATED DISTRIBUTORS, Chicago, Ill. Filed Dec. 24, 1943.

TABLEAU

FOR LIPSTICK, ROUGE, FACE POWDER, FACIAL MAKE-UP, BRILLIANTINE, AND FINGER NAIL POLISH.
Claims use since June 13, 1934.

Ser. No. 466,104. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed Dec. 27, 1943.

BARPRINE

The drawing is lined for red.
FOR MEDICAL PREPARATION—NAMELY, AN ANALGESIC, ANTIPYRETIC AND SEDATIVE TABLET.
Claims use since Dec. 22, 1943.

Ser. No. 466,230. RESEARCH DRUG CO., INC., New York, N. Y. Filed Dec. 31, 1943.

SULFASALVEROL

FOR SKIN OINTMENT FOR INJURIES AND INFECTIONS OF THE SKIN.
Claims use since Dec. 29, 1943.

Ser. No. 466,361. NUGUARD CHEMICALS, INC., East Paterson, N. J. Filed Jan. 6, 1944.

RODALARM

FOR REPELLENTS FOR RODENTS AND INSECTS AND INSECTICIDES, FUNGICIDES, HERBICIDES, RODONTICIDES, AND BACTERICIDES.
Claims use since Sept. 13, 1943.

Ser. No. 466,472. WORLD PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 10, 1944.

Prot-A

Applicant disclaims the letter "A" except as shown.
FOR VITAMIN PREPARATIONS FOR INCORPORATION IN ANIMAL AND POULTRY FEEDS.
Claims use since Sept. 24, 1943.

Ser. No. 466,486. GOLDEN GLINT COMPANY, Seattle, Wash. Filed Jan. 11, 1944.

GeeGee

FOR LOTIONS FOR SKIN AND HAIR.
Claims use since Dec. 27, 1943.

Ser. No. 466,535. MIDDLEBROOKE LANCASTER, INC., Brooklyn, N. Y. Filed Jan. 13, 1944.

Nutrine

FOR PERMANENT WAVE OIL, CREAM, CLEANSING CREAM, HAIR BLEACH OIL, HAIR BLEACH OIL AND SOFTENER, WAVE OIL, PERMANENT WAVE LIQUID OIL CREAM SOLUTION, PREPARATION FOR SCALP AND HAIR TREATMENT, TRANSPARENT HAIR LACQUER, NEUTRAL LATHERING SHAMPOO, HAIR CREAM, FINGER WAVE JELLY, TEXTURE CREAM, CREAM LOTION, GLOSO TINT HAIR RINSE, AND HYDROGEN PEROXIDE.
Claims use since 1920.

Ser. No. 466,627. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y. Filed Jan. 15, 1944.

NOVOSTIDIN

FOR HISTIDINE AND ASCORBIC ACID INJECTION FOR USE IN THE TREATMENT OF GASTRIC AND DUODENAL ULCERS.
Claims use since Dec. 10, 1943.

Ser. No. 467,040. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed Jan. 31, 1944.

ADMENTUM

FOR PHARMACEUTICAL PREPARATION USED AS AN ADDITION TO THE DIET OF ADULTS AND CHILDREN, IN TABLET AND POWDER FORM, COMPOSED OF BREWER'S YEAST, THIAMINE, RIBOFLAVIN, AND NIACINAMIDE.
Claims use since Dec. 23, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 465,013. STONHARD COMPANY, Philadelphia, Pa. Filed Nov. 15, 1943.

STONFAST

FOR PATCHING AND RESURFACING CEMENT PRIMARILY FOR FLOORS AND ROADWAYS.
Claims use since June 21, 1943.

Ser. No. 467,142. WILLIAMSON VENEER COMPANY, Cockeysville, Md. Filed Feb. 3, 1944.

Permawood

FOR PLYWOOD.
Claims use since Sept. 17, 1935.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 455,893. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y. Filed Oct. 1, 1942.

BORTAM

FOR FERROUS AND A NON-FERROUS ALLOY.
Claims use since Sept. 14, 1942.

Ser. No. 462,846. ADOLPH CHANOSKY, Fort Worth, Tex. Filed Aug. 19, 1943.

CHANITE

FOR METALLIC PRODUCT POSSESSING THE PROPERTIES OF BOTH FERROUS AND NONFERROUS METALS, AND METAL ALLOYS.
Claims use since July 1, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 462,649. PAINT MERCHANDISING COUNCIL, Chicago, Ill. Filed Aug. 10, 1943.

SWISH

FOR PAINTS (READY MIXED OR LIQUID, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, AND VARNISHES.
Claims use since May 1943.

Ser. No. 462,931. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Aug. 21, 1943.

Kem-Tone

Applicant is the owner of registrations No. 390,463 and No. 399,867, each for the mark "Kem-Tone" under the 1905 act.
FOR PAINT IN PASTE FORM.
Claims use since Aug. 15, 1942.

Ser. No. 466,181. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Dec. 29, 1943.

DURABILT

FOR READY-MIXED PAINTS.
Claims use since Nov. 5, 1942.

Ser. No. 466,559. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 13, 1944.

TREMGLAZE

FOR MASTIC COMPOUND FOR USE AS A PUTTY SUBSTITUTE IN THE GLAZING OF WINDOWS.
Claims use since June 1, 1936.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 457,598. ARNOLD, SCHWINN & Co., Chicago, Ill. Filed Dec. 26, 1942.

SCHWINN

The drawing is lined for red and gold. Applicant disclaims the words "Quality" and "Chicago" apart from the mark.
FOR BICYCLES.
Claims use since 1921.

Ser. No. 464,398. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif. Filed Oct. 25, 1943.

Lodestar

FOR AIRPLANES AND STRUCTURAL PARTS THEREFOR.
Claims use since June 1939.

Ser. No. 465,441. THE WARREN FEATHERBONE CO., Three Oaks, Mich. Filed Dec. 1, 1943.

Papooska

FOR INFANT CARRYING FLEXIBLE CRADLE CHAIRS FOR ATTACHMENT TO A PERSON LIKE A KNAPSACK.
Claims use since Nov. 11, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 455,768. W. L. STENSGAARD AND ASSOCIATES, INC., Chicago, Ill. Filed Sept 25, 1942.

STENS-LITE

The word "Lite" is disclaimed except as shown.
FOR ELECTRICALLY OPERATED ILLUMINATING DEVICE FOR USE IN CONNECTION WITH ADVERTISING SIGNS INCLUDING A LIGHTING ARRANGEMENT FOR ILLUMINATING LETTERS OR DESIGNS IN SUCH A WAY AS TO PROVIDE A DISTINCTIVE GLOW OR HALO EFFECT THEREAROUND.
Claims use since Aug. 31, 1942.

Ser. No. 465,602. HOFFMAN RADIO CORPORATION, Los Angeles, Calif. Filed Dec. 7, 1943.

TRANS AIR

FOR RADIO RECEIVING APPARATUS AND PARTS THEREOF.
Claims use since Sept. 16, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 467,629. FRED C. WASSON, Compton, Calif. Filed Feb. 21, 1944.

HELICOPTOY

FOR TOY AIRPLANE.
Claims use since Feb. 1, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 462,325. SOLA HERMANOS, Buenos Aires, Argentina. Filed July 26, 1943.

LEGION



EXTRANJERA

FOR RAZORS, RAZOR BLADES, SAFETY RAZORS, SAFETY RAZOR BLADES, MECHANICAL RAZOR STROPPERS, MECHANICAL RAZORS, AND ELECTRIC TONSORIAL SHAVERS.
Claims use since Mar. 31, 1931.

Ser. No. 465,206. THE OHIO KNIFE COMPANY, Cincinnati, Ohio. Filed Nov. 22, 1943.

O.K.O

FOR POWER CUTTING KNIVES INSTALLED ON WOODWORKING, PAPER CUTTING, VENEER CUTTING, AND SHEET METAL SHEARING MACHINES.
Claims use since June 9, 1915.

Ser. No. 465,207. THE OHIO KNIFE COMPANY, Cincinnati, Ohio. Filed Nov. 22, 1943.

O-KNI-CO

FOR MACHINE CUTTING TOOLS USED ON SHAPERS, PLANERS, LATHES, AND OTHER METAL CUTTING MACHINES.
Claims use since May 25, 1943.

Ser. No. 467,551. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio. Filed Feb. 18, 1944.

GO-DEVIL

FOR INTERNAL COMBUSTION ENGINES AND PARTS THEREOF.
Claims use since Feb. 12, 1943.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 466,994. THE KITCHEN MAID CORPORATION, Andrews, Ind. Filed Jan. 29, 1944.

KITCHEN MAID

Applicant is the owner of Trade-Mark No. 228,643, covering the words "Kitchen Maid."
FOR IRONING BOARDS.
Claims use since July 1, 1932.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 465,338. FEDERAL PRODUCTS CORPORATION, Providence, R. I. Filed Nov. 27, 1943.

TESTMASTER

FOR DIAL INDICATORS FOR DIMENSIONAL GAGES.
Claims use since December 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 463,481. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed Sept. 18, 1943.

John Alden

Applicant is the owner of Reg. No. 400,510. The mark is the name of one of the characters in Longfellow's poem "The Courtship of Miles Standish."
FOR WATCH CHAINS NOT INCLUDING WATCHES, TIE CLASPS, EMBLEM CHARMS, EMBLEM BUTTONS, EMBLEM PINS, LOCKETS, BADGES, CUFF LINKS, SCARF PINS, BUCKLES, FOBS, COLLAR BUTTONS, SHIRT STUDS, NECK CHAINS, KEY RINGS, KEY CHAINS, AND MONEY CLIPS.
Claims use since May 25, 1942.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 454,811. REPUBLIC FILTERS, INC., Paterson, N. J. Filed Aug. 8, 1942.

Seitz

The trade-mark is a facsimile of the signature of Mr. Seitz, the late inventor of the basic construction of the filtering apparatus manufactured and sold by applicant.
FOR FILTERING APPARATUS FOR BEVERAGES AND FOR CLARIFICATION AND STERILIZATION OF INDUSTRIAL LIQUIDS.
Claims use since 1912.

CLASS 33

GLASSWARE

Ser. No. 461,484. GLASS AND RESINS LIMITED, London, England. Filed June 18, 1943.

LAMILUX

FOR GLASS SHEETS AND GLASS PLATES.
Claims use since January 1943.

Ser. No. 466,853. LEWIS P. WEIL, Germantown, Pa. Filed Jan. 24, 1944.

AQUAFOAM

FOR GLASS DISHES, DRINKING GLASSES, SALVERS, VASES, FLOWER BOWLS, AND FLOWER POTS.
Claims use since Oct. 18, 1943.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 467,447. THE GATES RUBBER COMPANY, Denver, Colo. Filed Feb. 16, 1944.

FLEXSEAL

FOR POWER TRANSMISSION BELTS.
Claims use since November 1943.

Ser. No. 467,449. THE GATES RUBBER COMPANY, Denver, Colo. Filed Feb. 16, 1944.

SERVISEAL

FOR POWER TRANSMISSION BELTS.
Claims use since November 1943.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 467,482. AERO NEEDLE COMPANY, Chicago, Ill. Filed Feb. 17, 1944.

ELECTRONIUM

FOR PHONOGRAPH NEEDLES.
Claims use since Nov. 30, 1943.

CLASS 37

PAPER AND STATIONERY

Ser. No. 458,483. ANTHONY G. ROSA, doing business as Ink-O-Matic Fountain Pen & Pencil Company, Lyndhurst, N. J. Filed Feb. 11, 1943.

INK-O MATIC

FOR FOUNTAIN PENS AND WOOD AND METAL ENCASED LEAD PENCILS.
Claims use since January 1937.

Ser. No. 458,542. MCLAURIN-JONES CO., Brookfield, Mass. Filed Feb. 15, 1943.

STAYCOR

FOR GUMMED PAPER TAPE AND GUMMED FABRIC TAPE USED PRIMARILY FOR REINFORCING AND SEALING CARTONS, PACKAGES, PAPERBOARD BOXES, ETC.
Claims use since Feb. 5, 1943.

Ser. No. 459,122. MCLAURIN-JONES CO., Brookfield, Mass. Filed Mar. 15, 1943.

SOLSEAL

FOR GUMMED PAPER TAPE AND GUMMED FABRIC TAPE USED PRIMARILY FOR REINFORCING AND SEALING CARTONS, PACKAGES, PAPERBOARD BOXES, ETC.
Claims use since Mar. 3, 1943.

Ser. No. 462,263. ANTHONY G. ROSA, doing business as Ink-O-Matic Fountain Pen & Pencil Company, Lyndhurst, N. J. Filed July 23, 1943.

INK-O-MAT

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since May 1, 1938.

Ser. No. 464,108. D. L. DYER, Kansas City, Mo. Filed Oct. 13, 1943.

CHITTER-CHAT

FOR STATIONERY—NAMELY, WRITING PAPER, NOTE PAPER, AND ENVELOPES.
Claims use since Sept. 10, 1943.

Ser. No. 466,213. CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Dec. 31, 1943.

VAPROTEX

FOR PAPERBOARD, ESPECIALLY BOXBOARD RESISTANT TO MOISTURE VAPOR TRANSFER.
Claims use since Dec. 15, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 457,949. EUREKA SPECIALTY PRINTING COMPANY, Scranton, Pa. Filed Jan. 16, 1943.

DATE-MINDER

The word "Date" is disclaimed apart from the mark.
FOR CALENDARS.
Claims use since Mar. 1, 1942.

Ser. No. 459,369. THE HOME SHIFT, San Francisco, Calif. Filed Mar. 26, 1943.



The drawing is lined for red. No claim is made for the words "Conducted by Genevieve Callahan and Lou Richardson" except as shown.
FOR SECTION OF A MAGAZINE.
Claims use since Oct. 29, 1942.

Ser. No. 463,927. ARNOLD BERNHARD, New York, N. Y. Filed Oct. 6, 1943.

THE VALUE LINE
INVESTMENT SURVEY

Applicant disclaims the words "Investment Survey" as a part of the mark.
FOR INVESTMENT SURVEY BULLETIN AND STATISTICAL YEARBOOK, SAID BULLETIN BEING PUBLISHED AND DISTRIBUTED WEEKLY AND SAID STATISTICAL YEARBOOK BEING PUBLISHED AND DISTRIBUTED ANNUALLY.
Claims use since Oct. 1, 1941; the title, "Value Line Ratings and Fortnightly Reports," from January 1938 to May 1939; and the title, "The Value Line Supervisory Service," from May 1939 to Oct. 1, 1941.

Ser. No. 467,083. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Feb. 1, 1944.



NORTHERN
PLAINS INDIANS
CRAFTS ASSOCIATION

Applicant disclaims the phrase "Crafts Association" except as shown.
FOR PAINTINGS (BOTH OIL AND WATER-COLOR.)
Claims use since Aug. 25, 1943.

CLASS 39

CLOTHING

Ser. No. 466,348. CHARLES A. EATON COMPANY, Brockton, Mass. Filed Jan. 6, 1944.

Etonic Arch

The word "Arch" is disclaimed apart from the mark.
FOR BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since September 1912 for the word "Etonic"; and since August 1937 for entire mark.

Ser. No. 466,349. CHARLES A. EATON COMPANY, Brockton, Mass. Filed Jan. 6, 1944.

POWER to boot

The word "boot" is disclaimed apart from the mark.
FOR BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Dec. 15, 1943.

Ser. No. 466,385. ROSEWAL SPORTSWEAR CO., New York, N. Y. Filed Jan. 7, 1944.

Vela-Vela

FOR CHILDREN'S SHIRTS AND BLOUSES.
Claims use since Nov. 14, 1943.

Ser. No. 466,667. BULKLEY, WEINBERG & TORMEY, INCORPORATED, New York, N. Y. Filed Jan. 18, 1944.

GREYLAG

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS AND SKIRTS, AND DRESSES, AND MEN'S AND BOYS' COATS, SUITS, JACKETS, AND SLACKS.
Claims use since Jan. 1, 1943.

Ser. No. 467,105. NANTEX MANUFACTURING CO., New York, N. Y. Filed Feb. 2, 1944.

NANTEX

FOR MEN'S ATHLETIC UNDERWEAR.
Claims use since July 1921.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 466,206. PRESS-ON, INC., New York, N. Y. Filed Dec. 30, 1943.

Decorette

FOR APPLIQUE EMBLEMS FOR DECORATING AND TRIMMING GARMENTS AND TEXTILES.
Claims use since Nov. 15, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 466,143. BOTANY WORSTED MILLS, Passaic, N. J. Filed Dec. 29, 1943.

AIR PATH

FOR WOOLEN PIECE GOODS.
Claims use since Dec. 9, 1943.

Ser. No. 466,144. BOTANY WORSTED MILLS, Passaic, N. J. Filed Dec. 29, 1943.

SKY PATH

FOR WOOLEN PIECE GOODS.
Claims use since Dec. 9, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 463,926. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y. Filed Oct. 6, 1943.

VULNOFIX

FOR LIQUID ADHESIVES USED FOR PLASTICISING SURGICAL DRESSINGS.
Claims use since Sept. 7, 1942.

Ser. No. 466,084. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio. Filed Dec. 27, 1943.

X-AID

FOR SANITARY NAPKINS.
Claims use since July 19, 1939.

Ser. No. 467,159. KEENE'S LABORATORIES LIMITED, London, England. Filed Feb. 4, 1944.

Irving A Keene

The trade-mark consists of the facsimile signature "Irving A Keene," the predecessor of applicant company.
FOR TOOTH PICKS AND TOOTH STICKS NONE BEING OF PRECIOUS METAL.
Claims use since Oct. 22, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 459,673. PH. ORTH COMPANY, Milwaukee, Wis. Filed Apr. 6, 1943.

SPRED-SHORT

FOR LECITHINATED CORN FLOUR.
Claims use since Oct. 25, 1942.

Ser. No. 461,549. CREMO MFG. CO., Philadelphia, Pa. Filed June 21, 1943.

MELL-O-WHIP

No claim is made to the word "Whip" except as shown.
FOR MARSHMALLOW PREPARATION.
Claims use since June 10, 1943.

Ser. No. 463,102. POLIS & HAGAN, Edinburg, Tex. Filed Aug. 30, 1943.

PALOMINO



The trade-mark "Palomino" identifies a famous breed of horses.
FOR FRESH TOMATOES AND FRESH CITRUS FRUIT.
Claims use since June 1, 1943.

Ser. No. 467,067. L. S. HUNN, doing business as L. S. Hunn Packing Co., Woodlake, Calif. Filed Feb. 1, 1944.



FOR CANNED OLIVES.
Claims use since Jan. 14, 1944.

Ser. No. 467,245. LAKE HAMILTON COOPERATIVE, INC., Lake Hamilton, Fla. Filed Feb. 7, 1944.

GULL WING

Applicant is the owner of trade-mark registration No. 404,948.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1943.

Ser. No. 467,246. LAKE HAMILTON COOPERATIVE, INC., Lake Hamilton, Fla. Filed Feb. 7, 1944.

MID WING

Applicant is the owner of trade-mark registration No. 404,948.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1943.

Ser. No. 467,250. MARLON CONFECTIONS CO., New York, N. Y. Filed Feb. 7, 1944.

DARLON

FOR CANDIES.
Claims use since Jan. 25, 1944.

Ser. No. 467,251. MARLON CONFECTIONS CO., New York, N. Y. Filed Feb. 7, 1944.

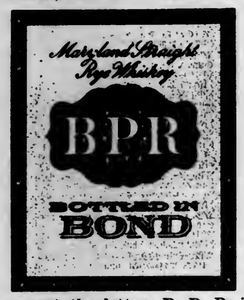
MARLON

FOR CANDIES.
Claims use since Jan. 25, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 453,870. THE BALTIMORE PURE RYE DISTILLING COMPANY, Dundalk, Md. Filed June 25, 1942.



All wording except the letters B. P. R. is disclaimed apart from the mark.
FOR PURE RYE WHISKEY.
Claims use since Apr. 23, 1942.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 4, 1944

406,398. WHISKEY. THE H. E. POGUE DISTILLERY COMPANY, INC., Chicago, Ill.
Filed November 7, 1939. Serial No. 425,365. PUBLISHED JANUARY 18, 1944. Class 49.

406,399. NEWSPAPER COLUMN ISSUED AT IRREGULAR INTERVALS. THE JUNIOR-SENIOR GOLFING SOCIETY OF CONNECTICUT, Noroton, Conn.
Filed March 21, 1941. Serial No. 441,772. PUBLISHED JANUARY 11, 1944. Class 38.

406,400. VERMOUTH. VICARIO & TEXIDOR, SOCIEDAD DE RESPONSABILIDAD LIMITADA, Buenos Aires, Argentina.
Filed July 2, 1941. Serial No. 445,027. PUBLISHED JANUARY 11, 1944. Class 47.

406,401. VERMOUTH. VICARIO & TEXIDOR, SOCIEDAD DE RESPONSABILIDAD LIMITADA, Buenos Aires, Argentina.
Filed July 2, 1941. Serial No. 445,028. PUBLISHED JANUARY 11, 1944. Class 47.

406,402. WHISKIES, GINS, RUMS, ALCOHOLIC PUNCHES, CORDIALS, AND LIQUEURS. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed July 7, 1941. Serial No. 445,136. PUBLISHED JANUARY 13, 1942. Class 49.

406,403. PAINT, VARNISH, ENAMEL, OR LACQUER REMOVER. WILSON-IMPERIAL COMPANY, Newark, N. J.
Filed October 16, 1941. Serial No. 447,856. PUBLISHED MAY 5, 1942. Class 16.

406,404. CLEANING, DULLING, AND BONDING LIQUID FOR PREPARING OLD PAINT AND VARNISH SURFACE FOR REFINISHING. WILSON-IMPERIAL COMPANY, Newark, N. J.
Filed October 16, 1941. Serial No. 447,857. PUBLISHED JUNE 2, 1942. Class 16.

406,405. MAGAZINE PUBLISHED PERIODICALLY. GEO. M. WESSELLS, doing business as George M. Wessells Company, Los Angeles, Calif.
Filed November 12, 1941. Serial No. 448,594. PUBLISHED JANUARY 25, 1944. Class 38.

406,406. DENTAL ALLOYS, DENTAL AMALGAMS. DENTAL ARTICULATING PAPER, DENTAL ARTICULATORS, DENTAL ACRYLIC POWDER, ETC. M. LARSON COMPANY, Chicago, Ill.
Filed May 8, 1942. Serial No. 452,893. PUBLISHED JANUARY 25, 1944. Class 44.

406,407. ROOFING CEMENT. ISAAC S. PURCELL, doing business as Abesto Manufacturing Company, Michigan City, Ind.
Filed September 25, 1942. Serial No. 455,763. PUBLISHED JANUARY 25, 1944. Class 12.

406,408. UNWROUGHT AND PARTLY WROUGHT BASE AND PRECIOUS METALS USED IN MANUFACTURE. CAPPER PASS & SON LIMITED, Bristol, England.
Filed December 16, 1942. Serial No. 457,447. PUBLISHED JANUARY 18, 1944. Class 14.

406,409. ALLOYS OF TIN. CAPPER PASS & SON LIMITED, Bristol, England.
Filed December 16, 1942. Serial No. 457,448. PUBLISHED JANUARY 18, 1944. Class 14.

406,410. TEXTILE FABRICS IN THE NATURE OF PIECE GOODS MADE OF "FIBERGLAS", GLASS, ASBESTOS, OR OTHER SYNTHETIC YARNS DERIVED FROM MINERAL MATTER. THE DUPLAN CORPORATION, New York, N. Y.
Filed February 18, 1943. Serial No. 458,607. PUBLISHED JANUARY 25, 1944. Class 42.

406,411 MACHINES FOR CONTROLLING THE OPERATION OF GAS TORCHES IN THE CUTTING OF METAL. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed March 2, 1943. Serial No. 458,865. PUBLISHED JANUARY 25, 1944. Class 34.

406,412. PERIODICAL. IMPORT PUBLICATIONS, INC., New York, N. Y.
Filed March 6, 1943. Serial No. 458,938. PUBLISHED JANUARY 11, 1944. Class 38.

406,413. WOOD AIRPLANE PROPELLERS. G. B. LEWIS COMPANY, Watertown, Wis.
Filed April 21, 1943. Serial No. 460,059. PUBLISHED JANUARY 25, 1944. Class 19.

406,414. WOVEN OR KNITTED PIECE GOODS MADE OF COTTON, SILK OR RAYON (INCLUDING THE ACETATE TYPE) AND TREATED WITH A PERMANENT CELLULOSE FINISH. HART PRODUCTS CORPORATION, New York, N. Y.
Filed April 30, 1943. Serial No. 460,295. PUBLISHED JANUARY 4, 1944. Class 42.

406,415. CANNED DOG FOOD. EARL J. CHAPPEL, Rockford, Ill.
Filed May 1, 1943. Serial No. 460,320. PUBLISHED JANUARY 25, 1944. Class 46.

406,416. WATCHES AND CLOCKS. LEXA WATCH CO., INC., New York, N. Y., assignor to Bloomingdale Bros., Inc., New York, N. Y., a corportion of New York.
Filed May 14, 1943. Serial No. 460,618. PUBLISHED JULY 20, 1943. Class 27.

406,417. WATCHES. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed June 23, 1943. Serial No. 461,601. PUBLISHED OCTOBER 12, 1943. Class 27.

406,418. LIQUID PURIFYING UNITS—NAMELY, TANK UNITS FOR ANION EXCHANGE OR ACID ADSORPTION TREATMENT OF WATER AND OTHER AQUEOUS SOLUTIONS. INFILCO INCORPORATED, Chicago, Ill.
Filed June 24, 1943. Serial No. 461,631. PUBLISHED JANUARY 25, 1944. Class 13.

406,419. LIQUID PURIFYING UNITS—NAMELY, TANK UNITS FOR CATION EXCHANGE TREATMENT OF WATER AND OTHER AQUEOUS SOLUTIONS. INFILCO INCORPORATED, Chicago, Ill.
Filed June 24, 1943. Serial No. 461,632. PUBLISHED JANUARY 25, 1944. Class 13.

406,420. COLLAPSIBLE BOATS. SKOL COMPANY, INC., New York, N. Y.
Filed July 8, 1943. Serial No. 461,935. PUBLISHED JANUARY 25, 1944. Class 19.

406,421. WATCH MOVEMENTS AND WRIST AND POCKET WATCHES. JEAN R. GRAEF, INC., New York, N. Y.
Filed July 10, 1943. Serial No. 461,974. PUBLISHED SEPTEMBER 14, 1943. Class 27.

406,422. BABY CARRIAGES, GO-CARTS, CHAIR-CARTS, STROLLERS AND COMBINATION STROLLERS AND WALKERS. LOUIS P. BRANTZ CO., Philadelphia, Pa.
Filed July 20, 1943. Serial No. 462,178. PUBLISHED JANUARY 25, 1944. Class 19.

406,423. PUBLICATION ISSUED FROM TIME TO TIME COVERING STORIES OF ACHIEVEMENTS OF RAILROAD EMPLOYEES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., and AMERICAN LOCOMOTIVE COMPANY, New York, N. Y.
Filed July 24, 1943. Serial No. 462,280. PUBLISHED JANUARY 25, 1944. Class 38.

406,424. FIRE AND BURGLAR PROOF RECEPTACLES—NAMELY, SAFES, CABINETS, VAULTS, AND STRONG BOXES, AND DOORS, LIDS, DRAWERS, AND SHELVES FOR USE WITH AND TO COMPLETELY EQUIP THE FOREGOING. MEILINK STEEL SAFE CO., Toledo, Ohio.
Filed July 30, 1943. Serial No. 462,406. PUBLISHED JANUARY 25, 1944. Class 25.

406,425. RESIN BONDED WOOD PIANO AND PIANO CASE STRUCTURAL PARTS AND ASSEMBLIES. STEINWAY & SONS, New York, N. Y.
Filed August 7, 1943. Serial No. 462,608. PUBLISHED JANUARY 25, 1944. Class 36.

406,426. AIRCRAFT—NAMELY, LAND AND HYDRO AIRPLANES AND STRUCTURAL PARTS THEREOF. UNITED AIRCRAFT CORPORATION, East Hartford, Conn.
Filed August 10, 1943. Serial No. 462,652. PUBLISHED JANUARY 25, 1944. Class 19.

406,427. WINES. LUCIEN ARDIN, INC., New York, N. Y.
Filed August 14, 1943. Serial No. 462,738. PUBLISHED JANUARY 11, 1944. Class 47.

406,428. WINES. LUCIEN ARDIN, INC., New York, N. Y.
Filed August 14, 1943. Serial No. 462,739. PUBLISHED JANUARY 11, 1944. Class 47.

406,429. LADIES' HAND BAGS, BAGS FOR EVENING WEAR, PURSES, AND POCKETBOOKS. COSTUME ACCESSORIES OF CALIFORNIA, INC., Los Angeles, Calif.
Filed September 1, 1943. Serial No. 463,145. PUBLISHED JANUARY 25, 1944. Class 3.

406,430. LENSES FOR GOGGLES AND FACE PROTECTING HELMETS AND MASKS. WILLSON PRODUCTS, INC., Reading, Pa.
Filed September 11, 1943. Serial No. 463,361. PUBLISHED JANUARY 25, 1944. Class 26.

406,431. COIN-CONTROLLED AMUSEMENT APPARATUS FOR DISPENSING CARDS OR OTHER PRINTED MATTER. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed September 20, 1943. Serial No. 463,509. PUBLISHED NOVEMBER 16, 1943. Class 22.

406,432. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed September 22, 1943. Serial No. 463,565. PUBLISHED JANUARY 25, 1944. Class 22.

406,433. PIECE GOODS MADE OF SPUN RAYON AND PROTEINACEOUS FIBERS. CHARMETTE FABRICS CO. INC., New York, N. Y.
Filed September 25, 1943. Seral No. 463,644. PUBLISHED JANUARY 18, 1944. Class 42.

406,434. SKI PANTS AND PARTS OF GARMENTS SETS—NAMELY, JACKETS AND PANTS. SLAKNAK, West Orange, N. J.
Filed September 25, 1943. Serial No. 463,657. PUBLISHED JANUARY 25, 1944. Class 39.

406,435. SIGNAL FOR MAIL BOXES. HENRY C. BAKER, Wolfe Lake, Muskegon, Mich.
Filed September 30, 1943. Serial No. 463,769. PUBLISHED JANUARY 25, 1944. Class 50.

406,436. COMBINATION OF PROCESSED FERROUS METAL MATERIALS AND FERRO-ALLOYS IN WHICH THE FERROUS ELEMENTS THEREIN ARE CONTROLLED, SOLD IN THE FORM OF CASTINGS. J FORRESTER CAMPBELL, Harrison, N. J.
Filed September 30, 1943. Serial No. 463,774. PUBLISHED JANUARY 25, 1944. Class 14.

406,437. RUM. W. A. TAYLOR & COMPANY, New York, N. Y.
Filed September 30, 1943. Serial No. 463,800. PUBLISHED JANUARY 25, 1941. Class 49.

406,438. TOILET TISSUES AND PAPER TOWELS. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed October 12, 1943. Serial No. 464,073. PUBLISHED JANUARY 25, 1944. Class 37.

406,439. JEWELRY CLEANER. D. BLUM & CO., INC., New York, N. Y.
Filed October 12, 1943. Serial No. 464,077. PUBLISHED JANUARY 25, 1944. Class 4.

406,440. GYROSCOPES, DIRECTIONAL COMPASSES, MAGNETICALLY CONTROLLED DIRECTIONAL GYROSCOPES, AND REMOTE INDICATORS THEREFOR. SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y.
Filed October 16, 1943. Serial No. 464,207. PUBLISHED JANUARY 25, 1944. Class 26.

406,441. PAINTS AND PAINTERS' MATERIALS—NAMELY, READY MIXED PAINTS, LACQUERS, ENAMELS, FILLERS, THINNERS, DRIERS AND THE LIKE. SERVEL, INC., Evansville, Ind., and New York, N. Y.
Filed October 20, 1943. Serial No. 464,275. PUBLISHED JANUARY 25, 1944. Class 16.

406,442. NEWSPAPER COLUMN. E. B. ERARD, Kingsville, Tex.
Filed October 21, 1943. Serial No. 464,305. PUBLISHED JANUARY 25, 1944. Class 38.

406,443. BOOKS. POCKET BOOKS, INC., New York, N. Y.
Filed October 21, 1943. Serial No. 464,317. PUBLISHED JANUARY 25, 1944. Class 38.

406,444. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed October 26, 1943. Serial No. 464,415. PUBLISHED JANUARY 11, 1944. Class 42.

406,445. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed October 28, 1943. Serial No. 464,466. PUBLISHED JANUARY 18, 1944. Class 42.

406,446. ELECTRIC GENERATORS AND MOTOR-GENERATOR SETS. KURZ AND ROOT COMPANY, Appleton, Wis.
Filed November 2, 1943. Serial No. 464,613. PUBLISHED JANUARY 25, 1944. Class 21.

406,447. MONTHLY PERIODICAL. BROTHERHOOD OF RAILROAD SHOP CRAFTS OF AMERICA, Louisville, Ky.
Filed November 4, 1943. Serial No. 464,689. PUBLISHED JANUARY 25, 1944. Class 38.

406,448. POCKET WATCHES, WRIST WATCHES, BRACELET WATCHES, LAPEL WATCHES, DOCTORS' AND NURSES' WATCHES, CHATELAINE WATCHES, TIMERS, CHRONOGRAPHS, ELECTRIC CLOCKS, 30-HOUR CLOCKS, 8-DAY CLOCKS, ALARM CLOCKS, AND CHIME AND STRIKING CLOCKS. LOUIS SICKLES, Philadelphia, Pa.
Filed November 4, 1943. Serial No. 464,726. PUBLISHED JANUARY 25, 1944. Class 27.

406,449. POCKET WATCHES, WRIST WATCHES, BRACELET WATCHES, LAPEL WATCHES, DOCTORS' AND NURSES' WATCHES, CHATELAINE WATCHES, TIMERS, CHRONOGRAPHS, ELECTRIC CLOCKS, 30-HOUR CLOCKS, 8-DAY CLOCKS, ALARM CLOCKS, AND CHIME AND STRIKING CLOCKS. LOUIS SICKLES, Philadelphia, Pa.
Filed November 4, 1943. Serial No. 464,728. PUBLISHED JANUARY 25, 1944. Class 27.

406,450. HOUSE ORGAN PUBLISHED PERIODICALLY. GENERAL CABLE CORPORATION, New York, N. Y.
Filed November 5, 1943. Serial No. 464,747. PUBLISHED JANUARY 11, 1944. Class 38.

406,451. KNITTED FABRIC OF COTTON AND WOOL SOLD IN THE PIECE FOR USE IN "HOT-PACK" TREATMENT OF INFANTILE PARALYSIS. MUNSINGWEAR, INC., Minneapolis, Minn.
Filed November 5, 1943. Serial No. 464,756. PUBLISHED JANUARY 25, 1944. Class 42.

406,452. ANNUAL PUBLICATION. DISTRIBUTION AND WAREHOUSING PUBLICATIONS, INC., New York, N. Y.
Filed November 6, 1943. Serial No. 464,779. PUBLISHED JANUARY 18, 1944. Class 38.

406,453. COMPOSITION OF VEGETABLE WAXES TO BE USED AS A SUBSTITUTE FOR CARNAUBA WAX. WILLIAM B. GALLAGHER, Philadelphia, Pa.
Filed November 6, 1943. Serial No. 464,780. PUBLISHED JANUARY 25, 1944. Class 1.

406,454. WINES. MONARCH WINE CO. OF GEORGIA, Atlanta, Ga.
Filed November 8, 1943. Serial No. 464,823. PUBLISHED JANUARY 18, 1944. Class 47.

406,455. MIXED FEEDS FOR LIVESTOCK AND POULTRY. HAPPY MILLS, Memphis, Tenn.
Filed November 9, 1943. Serial No. 464,855. PUBLISHED JANUARY 25, 1944. Class 46.

406,456. READY MIXED PAINTS. BENJAMIN MOORE & Co., Jersey City, N. J., and New York, N. Y.
Filed November 9, 1943. Serial No. 464,861. PUBLISHED JANUARY 25, 1944. Class 16.

406,457. STRAIGHT BOURBON WHISKEY, STRAIGHT RYE WHISKEY, AND BLENDED WHISKEY. THE BALTIMORE PURE RYE DISTILLING COMPANY, Baltimore, Md.
Filed November 10, 1943. Serial No. 464,869. PUBLISHED JANUARY 4, 1944. Class 49.

406,458. PIANOS. LOUIS BROMBERG, Brooklyn, N. Y.
Filed November 10, 1943. Serial No. 464,872. PUBLISHED JANUARY 25, 1944. Class 36.

406,459. PATTERNS FOR MAKING TOY STUFFED ANIMALS. THE CLEVELAND SHOPPING NEWS COMPANY, Cleveland, Ohio.
Filed November 10, 1943. Serial No. 464,878. PUBLISHED JANUARY 25, 1944. Class 22.

406,460. TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF. BOURGET, New York, N. Y.
Filed November 11, 1943. Serial No. 464,912. PUBLISHED JANUARY 25, 1944. Class 42.

406,461. FIREARMS—NAMELY, SMALL ARMS SUCH AS REVOLVERS. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.
Filed November 12, 1943. Serial No. 464,939. PUBLISHED JANUARY 25, 1944. Class 9.

406,462. ADHESIVE CLOTH TAPE FOR MENDING FABRICS. J. P. FRANK & COMPANY, New York, N. Y.
Filed November 12, 1943. Serial No. 464,942. PUBLISHED JANUARY 25, 1944. Class 5.

406,463. WATCHES AND PARTS THEREOF. PARKER WATCH COMPANY, New York, N. Y.
Filed November 16, 1943. Serial No. 465,046. PUBLISHED JANUARY 25, 1944. Class 27.

406,464. GARDEN AND FIELD SEEDS, BULBS, AND PLANTS. ASSOCIATED SEED GROWERS, INC., New Haven, Conn.
Filed November 17, 1943. Serial No. 465,057. PUBLISHED JANUARY 25, 1944. Class 1.

406,465. BLANKETS MADE EXCLUSIVELY OF VIRGIN WOOL. NASHUA MANUFACTURING COMPANY, Boston, Mass.
Filed November 17, 1943. Serial No. 465,078. PUBLISHED JANUARY 11, 1944. Class 42.

406,466. YARN. SPINNERIN YARN CO., INC., New York, N. Y.
Filed November 17, 1943. Serial No. 465,085. PUBLISHED JANUARY 25, 1944. Class 43.

406,467. SOAP. HOUSE OF TRE-JUR, INC., New York, N. Y.
Filed November 18, 1943. Serial No. 465,108. PUBLISHED JANUARY 25, 1944. Class 4.

406,468. TEXTILE FABRICS OF COTTON, LINEN, RAYON, WOOL, AND MIXTURES OF THESE FIBRES IN THE NATURE OF PIECE GOODS. THE UNITED STATES FINISHING COMPANY, Norwich, Conn.
Filed November 18, 1943. Serial No. 465,118. PUBLISHED JANUARY 18, 1944. Class 42.

406,469. SILK, COTTON, MERCERIZED AND MACHINE SEWING THREADS. GUDEBROD BROS. SILK CO. INC., Philadelphia, Pa.
Filed November 19, 1943. Serial No. 465,137. PUBLISHED JANUARY 25, 1944. Class 43.

406,470. MAGAZINE DEPARTMENT OR SECTION. HEARST MAGAZINES INC., New York, N. Y.
Filed November 19, 1943. Serial No. 465,139. PUBLISHED JANUARY 18, 1944. Class 38.

406,471. CANDY. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed November 20, 1943. Serial No. 465,183. PUBLISHED JANUARY 25, 1944. Class 46.

406,472. MICROMETER GAUGES. THE COMTOR COMPANY, Waltham, Mass.
Filed November 25, 1943. Serial No. 465,285. PUBLISHED JANUARY 25, 1944. Class 26.

406,473. WINE. BEAULIEU VINEYARD, San Francisco, Calif.
Filed November 26, 1943. Serial No. 465,311. PUBLISHED JANUARY 18, 1944. Class 47.

406,474. PICKLED FISH. L. A. LEISTIKOW & SONS, INC., also doing business as L. A. Leistikow & Sons, Chicago, Ill.
Filed December 6, 1943. Serial No. 465,537. PUBLISHED JANUARY 25, 1944. Class 46.

[ACT OF MARCH 19, 1920. SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,475. (CLASS 39. CLOTHING.) ARCHER HOSIERY MILLS, Columbus, Ga. Filed Sept. 6, 1940. Serial No. 435,703.

NE LINE

FOR FULL LENGTH HOSIERY.
Claims use since Aug. 26, 1940.

406,476. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE COMFY MANUFACTURING COMPANY, Baltimore, Md. Filed June 18, 1941. Serial No. 444,636.

Style-Fit

FOR FURNITURE SLIP COVERS.
Claims use since March 1940.

406,477. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE UNIVIS LENS COMPANY, Dayton, Ohio. Filed Oct. 1, 1941. Serial No. 447,475.

2-Way

FOR OPHTHALMIC LENS BLANKS AND EYEGLASS LENSES.
Claims use since Sept. 12, 1941.

406,478. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE UNIVIS LENS COMPANY, Dayton, Ohio. Filed Oct. 1, 1941. Serial No. 447,476.

3-Way

FOR OPHTHALMIC LENS BLANKS AND EYEGLASS LENSES.
Claims use since Sept. 12, 1941.

406,479. (CLASS 39. CLOTHING.) COHAN ROTH & STIFFSON, New York, N. Y. Filed Jan. 1, 1942. Serial No. 449,936.

American Square

FOR NECKTIES, CRAVATS, AND SCARFS.
Claims use since Dec. 1, 1941.

406,480. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) D. H. BUSTER CHEMICAL COMPANY, Kansas City, Mo. Filed June 12, 1942. Serial No. 453,613.

Sup-R-Seal

FOR VARNISH TYPE HEAVY DUTY FLOOR FINISH IN LIQUID FORM.
Claims use since Mar. 1, 1942.

406,481. (CLASS 39. CLOTHING.) LOUIS GEIGER, INC., New York, N. Y. Filed Nov. 20, 1942. Serial No. 456,941.

Para Slacks

FOR LADIES' AND GIRLS' SLACKS, SLACK SUITS, AND SLACK ENSEMBLES CONSISTING OF SHIRT AND SLACKS AND JACKET AND SLACKS, INDUSTRIAL CLOTHES—NAMELY, OVERALLS, AND OUTERWORK SHIRTS AND BLOUSES, AND DUDE RANCH TROUSERS.
Claims use since Aug. 15, 1942.

406,482. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed Dec. 4, 1942. Serial No. 457,206.

OPTIMUS

FOR COMBS.
Claims use since Jan. 1, 1908.

406,483. (CLASS 39. CLOTHING.) STANDARD SAFETY EQUIPMENT CO., Chicago, Ill. Filed Dec. 9, 1942. Serial No. 457,303.

HAIRGARD

FOR WOMEN'S CAPS.
Claims use since July 3, 1942.

406,484. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) IRON & STEEL PRODUCTS, INC., Chicago (Hegewisch Station), Ill. Filed Dec. 26, 1942. Serial No. 457,608.

"ANYTHING containing IRON or STEEL"

FOR RAILWAY LOCOMOTIVES, COUPLINGS, JOURNAL BOXES, WHEELS, AXLES, LOCOMOTIVE TIRES, PILE DRIVING HAMMERS, DRAFT COUPLERS, JOURNAL BOX LIDS, BRAKE BEAMS, BRAKE LEVERS, BRAKE SHOES, RAILWAY HAMMERS.
Claims use since January 1937.

406,485. (CLASS 39. CLOTHING.) DAVIDOW, INC. SPORTSWEAR, New York, N. Y. Filed Jan. 21, 1943. Serial No. 458,064.

LONDON DAVIDOW NEW YORK

FOR LADIES' AND MISSES' SUITS, JACKETS, SKIRTS, DRESSES, COATS, DRESS ENSEMBLES, AND BLOUSES.
Claims use since December 1939.

406,486. (CLASS 2. RECEPTACLES.) THE BALTIMORE PAPER BOX CO., Baltimore, Md. Filed Feb. 17, 1943. Serial No. 458,580.

SAFE-TEE-KASE

FOR FIBERBOARD CARTONS FOR USE IN SHIPPING SEVERAL DOZEN EGGS.
Claims use since Dec. 29, 1942.

406,487. (CLASS 33. GLASSWARE.) GEO. BORGFELDT CORPORATION, New York, N. Y. Filed Feb. 20, 1943. Serial No. 458,645.

VOGUE CRYSTAL

FOR TABLE GLASSWARE.
Claims use since Feb. 11, 1943.

406,488. (CLASS 39. CLOTHING.) BENJAMIN SCHIFFER, doing business as Schiffer Knitwear Company, New York, N. Y. Filed Apr. 20, 1943. Serial No. 460,036.

Terry Turner

FOR SWEATERS.
Claims use since Feb. 3, 1943.

406,489. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN V PLACKET, INC., Brooklyn, N. Y. Filed May 6, 1943. Serial No. 460,440.

AMERICAN V PLACKET

FOR READY-TO-USE PLACKET EDGING TAPE UNIT.
Claims use since Sept. 17, 1942.

406,490. (CLASS 39. CLOTHING.) CHARLES PERLMAN, doing business as Charles Perlman Dress Company, St. Paul, Minn. Filed June 7, 1943. Serial No. 461,206.

Bea Darling

FOR LADIES' DRESSES AND COATS.
Claims use since Aug. 1, 1939.

406,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUINTIN J. CRISTY, doing business as Cristy Drygas Products, Worcester, Mass. Filed June 12, 1943. Serial No. 461,341.

CRISTY MOTOR DRYGAS

FOR WATER SOLVENTS, DEHYDRATING AGENTS, AND ANTIFREEZE AGENTS FOR USE IN GASOLINE, LUBRICATING OILS, LUBRICATING GREASES, COMBUSTION OILS, AND FUEL OILS.
Claims use since Feb. 10, 1943.

406,492. (CLASS 39. CLOTHING.) PHIL. & H. QUINTO, New York, N. Y. Filed June 14, 1943. Serial No. 461,384.

Rangeley

FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since 1936.

406,493. (CLASS 39. CLOTHING.) TIDY PRODUCTS COMPANY, New York, N. Y. Filed July 27, 1943. Serial No. 462,348.

Tidy Down

FOR INFANTS' OR CHILD'S SNOW SUIT.
Claims use since June 1939.

406,494. (CLASS 39. CLOTHING.) TRUDE MANUFACTURING CO., San Francisco, Calif. Filed Aug. 16, 1943. Serial No. 462,784.

Trude

FOR WOMEN'S HATS, OUTER VESTS, AND SUSPENDERS.
Claims use since July 1, 1939.

406,495. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RUTH JACOBS, doing business as Abolition Products Co., not incorporated, and Associated Products, Chicago, Ill. Filed Aug. 23, 1943. Serial No. 462,950.

WALDORF

FOR CHEMICAL BUBBLE BATH PREPARATION HAVING CLEANSING AND SAPONACEOUS PROPERTIES.
Claims use since November 1940.

406,496. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHESTER FENSIN, doing business as General Chair Co. (not incorporated), Chicago, Ill. Filed Sept. 23, 1943. Serial No. 463,596.

PATCH-A-SEAT

FOR UTILITY KITS CONSISTING OF A COATING, A SOLVENT, A CEMENT, AND A CLOTH.
Claims use since July 1936.

406,497. (CLASS 39. CLOTHING.) KIRKENDALL BOOT COMPANY, Omaha, Nebr. Filed Oct. 2, 1943. Serial No. 463,841.

KIRK-PAC

FOR BOOTS AND SHOES MADE OF LEATHER.
Claims use since 1928.

406,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONTI PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Oct. 26, 1943. Serial No. 464,410.

Conti

FOR LIQUID SHAMPOO AND COMPLEXION CREAM.
Claims use since January 1937 on liquid shampoo and since July 21, 1941 on complexion cream.

406,499. CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Oct. 29, 1943. Serial No. 464,502.

C.M.O
Steel Strong

FOR MEN'S AND BOYS' WORK SHOES MADE OF LEATHER.
Claims use since January 1941.

406,500. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Oct. 30, 1943. Serial No. 464,557.

BASEKOTE

FOR LUBRICATING GREASE.
Claims use since Mar. 7, 1939.

406,501. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Oct. 30, 1943. Serial No. 464,558.

SLIPKOTE

FOR LUBRICATING GREASE.
Claims use since Mar. 3, 1939.

406,502. (CLASS 39. CLOTHING.) CONSOLIDATED SLIPPER CORP., Malone and New York, N. Y. Filed Nov. 6, 1943. Serial No. 464,776.

COSSACKS

FOR LADIES', MISSES', AND CHILDREN'S SHOES AND SLIPPERS MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS, OR COMBINATIONS THEREOF.
Claims use since April 1934.

406,503. (CLASS 39. CLOTHING.) THE GLEMBY COMPANY, INC., New York, N. Y. Filed Nov. 16, 1943. Serial No. 465,023.

Lorraine

FOR HAIR NETS OF THE TYPE KNOWN AS VEIL NETS.
Claims use since July 1, 1918.

406,504. (CLASS 39. CLOTHING.) EVERITT HAT COMPANY, Milwaukee, Wis. Filed Nov. 22, 1943. Serial No. 465,200.

Needlepoint Everitt

FOR WOMEN'S, MISSES' AND GIRLS' HATS.
Claims use since January 1940.

406,505. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE S. BROWN & COMPANY, New York, N. Y. Filed Nov. 26, 1943. Serial No. 465,312.

FOOL PROOF
RAYON AND COTTON
FABRICS

FOR PIECE GOODS MADE OF A COMBINATION OF RAYON AND COTTON.
Claims use since January 1941.

406,506. (CLASS 39. CLOTHING.) ORIGINAL MODES COMPANY, New York, N. Y. Filed Dec. 1, 1943. Serial No. 465,432.

Originala

FOR WOMEN'S COATS, SUITS, AND DRESSES.
Claims use since Nov. 1, 1941.

406,507. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RICHMOND RUBBER CO. INC., Richmond, Va. Filed Dec. 21, 1943. Serial No. 465,958.

RICHMOND

FOR TIRES OF RUBBER, FABRIC, SYNTHETIC RUBBER, AND COMBINATIONS THEREOF.
Claims use since 192..

406,508. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RICHMOND RUBBER CO. INC., Richmond, Va. Filed Dec. 21, 1943. Serial No. 465,959.

SAFETY-SPEED

FOR TIRES OF RUBBER, FABRIC, SYNTHETIC RUBBER, AND COMBINATIONS THEREOF.
Claims use since May 4, 1941.

406,509. (CLASS 39. CLOTHING.) HOLLY NOVELTY & SPORTSWEAR CO., New York, N. Y. Filed Jan. 1, 1944. Serial No. 466,260.

Jane Holly

FOR LADIES', MISSES', AND JUNIORS' BLOUSES, SKIRTS, JACKETS, SLACKS, PLAYSUITS, SHORTS, VESTEES, DICKIES, JABOTS, COLLARS, SUITS, AND SKI SUITS.
Claims use since January 1940.

406,510. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PICHEL INC., New York, N. Y. Filed Jan. 26, 1944. Serial No. 466,901.

Pichel

FOR LADIES' HANDBAGS.
Claims use since January 1939.

406,511. (CLASS 39. CLOTHING.) ELECT DRESS CO., New York, N. Y. Filed Jan. 31, 1944. Serial No. 467,024.

KAY BARRY

FOR MISSES' AND JUNIOR MISSES' DRESSES.
Claims use since Jan. 5, 1943.

TRADE-MARK REGISTRATIONS RENEWED

178,324. **EDDIBOARD.** WALL BOARDS. Registered January 8, 1924. FREDERICKS M. DERING, Chicago, Ill. Renewed January 8, 1944, to Plastergon Wall Board Company, Buffalo, N. Y., a corporation of New York, assignee.

179,434. **"PROTEXIT".** WATERPROOF DUCK AND TARPAULINS. Registered February 12, 1924. FULTON BAG & COTTON MILLS, Atlanta, Ga., a corporation of Georgia. Renewed February 12, 1944.

179,482. **"PEP-SO" AND DESIGN.** MALTLESS, NONALCOHOLIC BEVERAGE SIRUP FOR SOFT DRINKS. Registered February 12, 1924. JOHN PAUL JONES, doing business as Pep-So Beverage Company, Fort Morgan, Colo. Renewed February 12, 1944, to The Pep-So Company, Denver, Colo., a corporation of Colorado, assignee.

179,557. **"AVONDALE" AND DRAWING.** BREAD. Registered February 12, 1924. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio, a corporation of Ohio. Renewed February 12, 1944.

179,602. **TROPICAL.** SPICES, PREPARED MUSTARD, AND PREPARED MUSTARD CREAM SALAD. Registered February 12, 1924. C. A. MURDOCK MFG. CO., Kansas City, Mo. Renewed February 12, 1944, to Jewett & Sherman Co., Milwaukee, Wis., a corporation of Wisconsin, successor.

179,747. **ELMDALE.** CANNED VEGETABLES. Registered February 12, 1924. CENTRAL WHOLESALE GROCERS, INC. Renewed February 12, 1944, to National Retailer-Owned Grocers, Inc., Chicago, Ill., a corporation of Delaware, successor.

180,011. **"B" AND DESIGN.** FRESH PEACHES. Registered February 19, 1924. FRUIT HAVEN FARM, Woodbury, Ga., a corporation of Georgia. Renewed February 19, 1944.

180,226. **"COTY" AND DESIGN.** PERFUMES, TOILET WATER, FACE POWDER, COMPACT POWDER, SACHET POWDER, TALCUM POWDER, BRILLIANTINE, EAU DE COLOGNE, HAIR LOTION, AND LIP STICK. Registered February 26, 1924. COTY, INC., Wilmington, Dela., and New York, N. Y. Renewed February 26, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

180,379. **JERSEY BELLE.** BUTTER, DRIED BEANS, BREAD, BUTTERMILK, CEREAL BREAKFAST FOODS, COFFEE, COCOA, CANDY, CONDENSED MILK, CHEESE, CORNSTARCH, CAKE, COOKIES, CRACKERS, CREAM, SHREDDED COCONUT, DRIED, FRESH AND EVAPORATED CURRANTS, DOUGHNUTS, DRIED FRUITS, FRENCH DRESSING, AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered February 26, 1924. H. P. HOOD & SONS, INC., Boston, Mass., a corporation of Massachusetts. Renewed February 26, 1944.

180,396. **BIXBY'S.** SHOE POLISH AND DRESSING IN PASTE, LIQUID, CAKE, AND POWDERED FORM. Registered February 26, 1924. S. M. BIXBY & CO. INC., Brooklyn and Buffalo, N. Y. Renewed February 26, 1944, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee.

180,614. **SUPERBA.** COFFEE, TEA, CHOCOLATE, COCOA, MOLASSES, TOMATO CATCHUP, PICKLES, BREAKFAST CEREALS, CONDIMENTS, AND CHEESE. Registered March 4, 1924. MILLIKEN, TOMLINSON CO., Portland, Maine, a corporation of Maine. Renewed March 4, 1944.

180,654. **"COTY" AND DESIGN.** PERFUMES, TOILET WATER, AND EAU DE COLOGNE. Registered March 4, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed March 4, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

180,660. **"L'EFFLEURT DE COTY" AND DESIGN.** PERFUMES, TOILET WATER, FACE POWDER, COMPACT POWDER, SACHET POWDER, TALCUM POWDER, BRILLIANTINE, EAU DE COLOGNE, AND HAIR LOTION. Registered March 4, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed March 4, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

180,661. **REPRESENTATION OF TWO WOMEN BURNING INCENSE.** PERFUMES. Registered March 4, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed March 4, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

180,687. **LEI-GIRL.** CANNED PINEAPPLE. Registered March 4, 1924. HENRY P. BALDWIN, LTD., doing business as Baldwin Packers, Lahaina. Renewed March 4, 1944, to Alexander & Baldwin, Limited, Honolulu, T. H., a corporation of the Territory of Hawaii, assignee.

180,892. **"HOTEL STATLER" AND DESIGN.** CIGARS, CIGARETTES, CHEROOTS, AND SMOKING TOBACCO. Registered March 11, 1924. R. J. REIDENBERG COMPANY, Buffalo, N. Y. Renewed March 11, 1944, to D. Emil Klein Co., Inc., New York, N. Y., a corporation of New York, assignee.

180,939. **W.** OPHTHALMIC MOUNTINGS AND PARTS THEREOF. Registered March 11, 1924. WILLSON GOGGLES, INC. Renewed March 11, 1944, to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania, by change of name.

181,107. **"FANNING'S" AND DESIGN.** PICKLES. Registered March 11, 1924. OMAR A. FANNING, Streator, Ill. Renewed March 11, 1944, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

181,111. **"ROLLFAST" AND DESIGN.** CHILDREN'S BICYCLES AND VELOCIPEDES. Registered March 11, 1924. D. P. HARRIS HARDWARE & MANUFACTURING CO. INC., New York, N. Y., a corporation of New York. Renewed March 11, 1944.

181,134. **COTY.** TOILET SOAPS. Registered March 11, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed March 11, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

181,159. **X IT.** VENTILATORS. Registered March 11, 1924. WILLIAM H. JARDINE, Philadelphia, Pa. Renewed March 11, 1944.

181,160. **FIRMTEX.** HYDROGENATED VEGETABLE OIL USED IN THE MANUFACTURE OF CONFECTIONERY PRODUCTS. Registered March 11, 1924. THE BEST FOODS, INC., New York, N. Y., a corporation of New Jersey. Renewed March 11, 1944.

181,161. **FILBISK.** HYDROGENATED COCONUT OIL USED IN THE PRODUCTION OF CONFECTIONS, CAKES, PASTRIES, VEGETABLE BUTTERS, AND FOR OTHER CULINARY PURPOSES. Registered March 11, 1924. THE BEST FOODS, INC., New York, N. Y., a corporation of New Jersey. Renewed March 11, 1944.

181,290. **PINNACLE.** COAL. Registered March 18, 1924. THE VICTOR-AMERICAN FUEL COMPANY, Portland, Maine, and Denver, Colo. Renewed March 18, 1944, to The Victor-American Fuel Company, Denver, Colo., a corporation of Maine.

181,462. **"VICO" AND DESIGN.** POULTRY FEED, DIGESTER TANKAGE, AND RAW-BONE MEAL. Registered March 18, 1924. THE VAN IDERSTINE COMPANY, Long Island City, N. Y., a corporation of Maine. Renewed March 18, 1944.

181,556. **KICKAWAY.** LADIES' AND CHILDREN'S WEARING APPAREL, BEING THAT OF UNDERWEAR—NAMELY, THAT OF BLOOMERS, STEPINS, VESTS, PYJAMAS, GOWNS, PETTICOATS AND LADIES' ATHLETIC AND NOVELTY UNDER-GARMENTS OF TEXTILE FABRIC. Registered March 25, 1924, LA MODE GARMENT CO., INC. Renewed March 25, 1944, to Kickaway Garments, Inc., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

181,676. **RED LABEL.** CANNED FRUITS AND CANNED VEGETABLES. Registered March 25, 1924. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed March 25, 1944.

181,759. **MAC-K-MADE.** COTTON PIECE GOODS, COTTON AND SILK MIXTURES, AND COTTON AND WOOL MIXTURES, LINEN, AND COTTON AND LINEN MIXTURES, BOTH OF DOMESTIC AND FOREIGN MANUFACTURE—NAMELY, NAINSOOK, BATISTE, ORGANDIE, GINGHAM, ZEPHYR, TISSUE, RATINE, DIMITY, LONG CLOTH, PLAIN VOILES, PRINTED VOILES, AND OTHER CERTAN NAMED PIECE GOODS. Registered March 25, 1924. W. E. MCKAY & COMPANY, INCORPORATED, New York, N. Y. Renewed March 25, 1944, to William E. McKay, Severna Park, Md., assignee.

182,062. **SENSATION.** WOMEN'S AND CHILDREN'S SHOES MADE OF LEATHER. Registered April 1, 1924. INTERNATIONAL SHOE CO., St. Louis, Mo., a corporation of Delaware. Renewed April 1, 1944.

182,160. **GOOD FEELER.** MEN'S SHOES OF LEATHER. Registered April 1, 1924. INTERNATIONAL SHOE COMPANY, St. Louis, Mo., a corporation of Delaware. Renewed April 1, 1944.

182,161. **ALL-FOR-WEAR.** MEN'S AND CHILDREN'S SHOES OF LEATHER. Registered April 1, 1924. INTERNATIONAL SHOE COMPANY, St. Louis, Mo., a corporation of Delaware. Renewed April 1, 1944.

182,186. **DAIRYMAN.** MEN'S SHOES OF LEATHER. Registered April 1, 1924. INTERNATIONAL SHOE CO., St. Louis, Mo., a corporation of Delaware. Renewed April 1, 1944.

182,187. **TUFFER.** MEN'S AND CHILDREN'S SHOES OF LEATHER. Registered April 1, 1924. INTERNATIONAL SHOE CO., St. Louis, Mo., a corporation of Delaware. Renewed April 1, 1944.

182,309. **KOBUR.** VEGETABLE BUTTER OR VEGETABLE FAT USED IN THE MANUFACTURE OF CONFECTIONERY PRODUCTS. Registered April 8, 1924. THE BEST FOODS, INC., New York, N. Y., a corporation of New Jersey. Renewed April 8, 1944.

182,326. **SLEDGE.** MEN'S AND CHILDREN'S SHOES OF LEATHER. Registered April 8, 1924. INTERNATIONAL SHOE CO., St. Louis, Mo., a corporation of Delaware. Renewed April 8, 1944.

182,335. **BIG FOUR.** RUBBER HEELS FOR SHOES. Registered April 8, 1924. MELVILLE SHOE CORPORATION, New York, N. Y., a corporation of New York. Renewed April 8, 1944.

182,354. **OVERLAND.** MARMALADE, SWEETENED CHOCOLATE, FRUITS IN SIRUP IN CANS AND JARS, GELATINE, JAMS, JELLIES, AND HONEY. Registered April 8, 1924. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed April 8, 1944.

182,392. **THE REDDY TEE.** GOLFING TEES. Registered April 8, 1924. THE NIEBLO M'F'G. CO., Newark, N. J., and New York, N. Y. Renewed April 8, 1944, to The Reddy Tee, Irvington, N. J., a corporation of New Jersey, assignee by mesne assignments.

182,444. **HONOR BRIGHT.** MEN'S SHOES OF LEATHER. Registered April 8, 1924. INTERNATIONAL SHOE CO., St. Louis, Mo., a corporation of Delaware. Renewed April 8, 1944.

182,445. **"JOHN C. ROBERTS" AND DESIGN.** MEN'S SHOES OF LEATHER. Registered April 8, 1924. INTERNATIONAL SHOE CO., St. Louis, Mo., a corporation of Delaware. Renewed April 8, 1944.

182,811. **AMARANTE.** ROUGES. Registered April 15, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed April 15, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

182,835. **"TWO IN ONE" AND DRAWING.** SHOE-POLISH PASTES, CAKES, AND LIQUIDS. Registered April 15, 1924. F. F. DALLEY COMPANY, INC., Buffalo, N. Y. Renewed April 15, 1944, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee.

183,276. **"BONNIE LADDIE" AND DRAWING.** LEATHER BOOTS AND SHOES AND SLIPPERS. Registered April 29, 1924. INTERNATIONAL SHOE COMPANY, doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y. Renewed April 29, 1944, to International Shoe Co., St. Louis, Mo., a corporation of Delaware.

183,416. **"SUNDIAL" AND DRAWING.** MEN'S, WOMEN'S AND CHILDREN'S SHOES OF LEATHER, RUBBER, AND FABRIC. Registered April 29, 1924. THE INTERNATIONAL SHOE CO., doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y. Renewed April 29, 1944, to International Shoe Co., St. Louis, Mo., a corporation of Delaware.

183,493. **ILLMO.** PAINT AND VARNISH REMOVER. Registered April 29, 1924. PHELAN-FAUST PAINT MANUFACTURING COMPANY. Renewed April 29, 1944, to Phelan-Faust Paint Mfg. Co., St. Louis, Mo., a corporation of Missouri, assignee.

183,853. **"CHIEF OSHKOSH" AND DRAWING.** CONCRETE MIXERS, PAVING MIXERS, PORTABLE SAW RIGS, PORTABLE POWER PUMPS, AND BACK FILLERS. Registered May 6, 1924. LEACH COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Renewed May 6, 1944.

183,871. **"TWO IN ONE" AND DESIGN.** AUTO BODY CLEANER. Registered May 6, 1924. F. F. DALLEY COMPANY, INC., Buffalo, N. Y. Renewed May 6, 1944, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee.

183,997. **"ROLLFAST" AND DESIGN.** BICYCLES AND VELOCIPEDES FOR ADULTS. Registered May 13, 1924. D. P. HARRIS HARDWARE & MANUFACTURING CO. INC., New York, N. Y., a corporation of New York. Renewed May 13, 1944.

184,091. **L'ORIGAN.** PERFUME, TOILET WATER, FACE POWDER, COMPACT POWDER, SACHET POWDER, TALCUM POWDER, BRILLIANTINE, EAU DE COLOGNE, LOTION FOR THE HAIR, AND LIP STICK ROUGE. Registered May 20, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed May 20, 1944, to Coty, Inc., New York, N. Y., successor.

184,245. **"BUCKEYE" AND DRAWING.** WASHING SODA (SAL SODA, REFINED CRYSTALS). Registered May 20, 1924. THE BUCKEYE SODA PRODUCTS COMPANY, Cincinnati, Ohio. Renewed May 20, 1944, to The Buckeye Soda Company, Painesville, Ohio, a corporation of Ohio, by change of name.

184,469. **MINUSA.** DRAWING INSTRUMENTS, COMPRISING COMPASSES, DIVIDERS, BOW PENS, BOW PENCILS, DRAWING PENS. Registered May 27, 1924. KEUFFEL & ESSER COMPANY, Hoboken, N. J., a corporation of New Jersey. Renewed May 27, 1944.

184,543. **NATIONAL SHIRTING S S.** COTTON SHIRTINGS, SHEETINGS, AND DRILLS. Registered May 27, 1924. THE JOHN P. KING MANUFACTURING CO., Augusta, Ga., a corporation of Georgia. Renewed May 27, 1944.

184,682. **ECCOCO.** DRAWING INSTRUMENTS COMPRISING COMPASSES, DIVIDERS, BOW PENS, BOW PENCILS, DRAWING PENS. Registered May 27, 1924. KARL KELLER, doing business as Ecco Company, Hoboken, N. J. Renewed May 27, 1944.

184,733. **"ALABAMA" AND DESIGN.** POCKETKNIVES, RAZORS, SCISSORS, SHEARS, SCYTHES, AXES, COAL PICKS, RAILROAD PICKS, SLEDGE HAMMERS, HATCHETS, LAWN MOWERS, FOOD CHOPPERS, SAW AND OTHER TOOL HANDLES, GRASS HOOKS, SHOVELS, CULTIVATORS, FERTILIZER DISTRIBUTORS, CROSS-TIE WEDGES, COAL DRILLS, CHIMNEY SWEEPS, HANDSAWS, CHISELS, DRAWKNIVES. Registered June 3, 1924. WIMBERLY & THOMAS HDWE. CO. INC., Birmingham, Ala., a corporation of Alabama. Renewed June 3, 1944.

184,796. **NONE-SUCH.** ROOT BEER, ORANGEADE, GRAPE JUICE, AND GINGER ALE. Registered June 3, 1924. DURAND-MCNEIL-HORNER CO. Renewed June 3, 1944, to Sprague Warner-Kenny Corporation, Chicago, Ill., a corporation of Maryland, assignee by mesne assignments.

184,923. **"BASKET WEAVE KRAFT" AND DESIGN.** WRAPPING PAPER. Registered June 3, 1924. GRAHAM PAPER COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed June 3, 1944.

184,924. **"VICTORY" AND DESIGN.** ROOT BEER. Registered June 3, 1924. GEORGE W. PEVERLY, Oxnard, Calif. Renewed June 3, 1944, to George W. Peverley, Pacoima, Calif.

184,929. **REPRESENTATION OF A GROTESQUE FIGURE.** CHILDREN'S SHOES MADE OF LEATHER. Registered June 3, 1924. INTERNATIONAL SHOE CO., St. Louis, Mo., a corporation of Delaware. Renewed June 3, 1944.

185,143. **REPRESENTATION OF A BEE.** STRAINED AND COMBED HONEY. Registered June 10, 1924. SIOUX HONEY ASSOCIATION, Sioux City, Iowa, a corporation of Iowa. Renewed June 10, 1944.

185,443. **"TWO IN ONE" AND DESIGN.** AUTO BODY POLISH. Registered June 17, 1924. F. F. DALLEY COMPANY, INC., Buffalo, N. Y. Renewed June 17, 1944, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee.

185,497. **COTY.** POWDER PUFFS. Registered June 17, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed June 17, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

185,742. **BRANETTE.** BRAN BISCUITS. Registered June 24, 1924. IOWA BISCUIT CO. Renewed June 24, 1944, to Midwest Biscuit Company, Inc., Burlington, Iowa, a corporation of Iowa, assignee.

185,754. **FOOT CULTURE.** SHOES OF LEATHER, FABRIC, AND LEATHER AND FABRIC. Registered June 24, 1924. INTERNATIONAL SHOE COMPANY, Wilmington, Del., and St. Louis, Mo. Renewed June 24, 1944, to International Shoe Co., St. Louis, Mo., a corporation of Delaware.

186,041. **SARCO.** TRAPS, STRAINERS, AND PARTS THEREOF AND FITTINGS FOR STEAM, GAS, WATER, AND OIL. Registered July 1, 1924. SARCO COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 1, 1944.

186,113. **GOLD LINK.** PRETZELS. Registered July 1, 1924. PENNSYLVANIA BAKING COMPANY, Scranton, Pa., a corporation of Pennsylvania. Renewed July 1, 1944.

186,143. **1869.** TOILET PAPER. Registered July 1, 1924. SCHWABACHER BROS. & CO. INCORPORATED, Seattle, Wash., a corporation of Washington. Renewed July 1, 1944.

186,144. **MADRONA.** PAPER AND PAPER PRODUCTS—NAMELY, TOILET PAPER AND ENVELOPES. Registered July 1, 1924. SCHWABACHER BROS. & CO. INCORPORATED, Seattle, Wash., a corporation of Washington. Renewed July 1, 1944.

186,341. **"TWO IN ONE" AND DESIGN.** AUTO TOP DRESSING. Registered July 8, 1924. F. F. DALLEY COMPANY, INC., Buffalo, N. Y. Renewed July 8, 1944, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee.

186,407. **"THE ORIGINAL HORNBY'S" AND DESIGN.** OATS AND OATMEAL PREPARED BY CUTTING, ROLLING, OR OTHERWISE GRINDING OR CRUSHING THE CEREAL. Registered July 8, 1924. THE H-O CEREAL COMPANY, INC., Buffalo, N. Y. Renewed July 8, 1944, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, by merger and change of name.

186,764. **"ROAMER".** MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Registered July 22, 1924. HARRY W. ANTHONY. Renewed July 22, 1944, to H. W. Anthony Company, Strausstown, Pa., a corporation of Pennsylvania, successor.

186,837. **RADIO.** CRACKERS COATED WITH SWEETENED CHOCOLATE. Registered July 22, 1924. JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Renewed July 22, 1944, to Megowen-Educator Food Company, Lowell, Mass., a corporation of Massachusetts, assignee.

186,926. **"BROOKDALE" AND DESIGN.** MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Registered July 22, 1924. GLANZROCK LA PENNA CO. Renewed July 22, 1944, to Chas. Glanzrock & Co., New York, N. Y., a copartnership, assignee.

187,164. **DINNER BELL.** PREPARED FEED FOR LIVESTOCK. Registered July 29, 1924. ARCADY FARMS MILLING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 29, 1944.

187,201. **DUFFY'S GOLD SEAL.** VINEGARS. Registered July 29, 1924. DUFFY-MOTT COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 29, 1944.

187,277. **"GILCO DIAMOND" AND DRAWING.** KEROSENE. Registered July 29, 1924. GILMORE PETROLEUM COMPANY. Renewed July 29, 1944, to Gilmore Oil Company, Los Angeles, Calif., a corporation of California, assignee.

187,377. **KNOXWEED.** LIQUID PREPARATION FOR KILLING WEEDS. Registered August 5, 1924. STAUFFER CHEMICAL COMPANY, San Francisco, Calif., a corporation of California. Renewed August 5, 1944.

187,396. **"CLARK" AND DRAWING.** ELECTRIC PORTABLE DRILLS, GRINDERS, AND SCREW DRIVERS. Registered August 5, 1924. JAS. CLARK, JR. ELECTRIC COMPANY. Renewed August 5, 1944, to Jas. Clark, Jr. Electric Company, Louisville, Ky., a firm, assignee.

187,443. **REPRESENTATION OF A DESIGN OF DIAGONAL STRIPES OF RED, WHITE AND BLUE COLORS, SURMOUNTED BY A BLUE FIELD.** PASTELIKE PREPARATION FOR SHAVING AND SKIN-HEALING PURPOSES. Registered August 5, 1924. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Renewed August 5, 1944.

187,445. **BELFLOR.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, LOTION FOR THE SKIN AND HAIR, ROUGE, COLD CREAMS, SACHET POWDER, COMPACT POWDER AND EAU VEGETALE. Registered August 5, 1924. L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Renewed August 5, 1944, to L. T. Piver, Inc., New York, N. Y., a corporation of Delaware.

187,503. **INDIGOSOL.** DYESTUFFS FOR DYEING AND PRINTING. Registered August 5, 1924. DURAND & HUGUENIN A. G., Basel, Switzerland, a corporation of Switzerland. Renewed August 5, 1944.

187,540. **COMMODORE.** COAL. Registered August 5, 1924. THE HOLMES COAL SALES COMPANY, Cincinnati, Ohio. Renewed August 5, 1944, to Holmes-Darst Coal Corporation, Knoxville, Tenn., a corporation of Tennessee, assignee by mesne assignments.

187,587. **CHANCELLOR.** MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND UNDER SHIRTS AND BOYS' AND CHILDREN'S BLOUSES, PLAY SUITS, FLAPPER SUITS, AND WASH SUITS. Registered August 5, 1924. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed August 5, 1944.

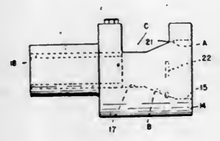
REISSUES

APRIL 4, 1944

22,464
LUBRICANT
Charles D. Kelso, Princeton, N. J., and Lawson W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Original No. 2,316,090, dated April 6, 1943, Serial No. 424,967, December 30, 1941. Application for reissue February 1, 1944, Serial No. 520,706
31 Claims. (Cl. 252—48)

1. A lubricant composition containing an oil and a small amount of a sulfur compound selected from the class consisting of elemental sulfur and an organic sulfur compound capable of decomposing to form free sulfur, and a small amount of the neutralized phosphorus and sulfur-containing reaction product of a phosphorus sulfide and an olefin.

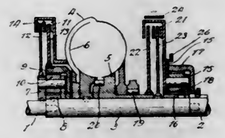
22,465
METHOD AND APPARATUS FOR SHAPING MEMBERS
Walter P. Hill, Detroit, Mich., assignor, by mesne assignments, to Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan
Original No. 2,313,474, dated March 9, 1943, Serial No. 440,713, April 27, 1942. Application for reissue March 15, 1943, Serial No. 479,283
14 Claims. (Cl. 153—21)



1. The method of forming stock which includes the steps of exerting a reducing pressure on a continuous area extending over a major portion of the circumference of the stock while leaving the remaining portion free to deform in response to the reducing pressure, and relatively rotating the stock and pressure exerting means thereby permitting circumferentially progressive deformation longitudinally of the stock in the area out of contact with the pressure exerting means.

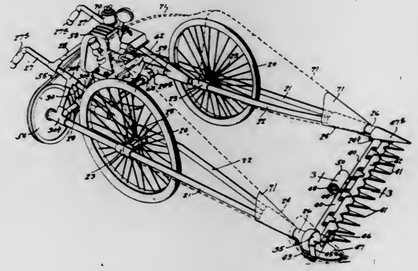
22,466
VARIABLE SPEED TRANSMISSION
Willard L. Pollard, Evanston, Ill.
Original No. 2,301,451, dated November 10, 1942, Serial No. 370,045, December 13, 1940. Application for reissue November 6, 1943, Serial No. 509,239
16 Claims. (Cl. 74—189.5)

1. A turbo-planetary transmission comprising a drive shaft, a driven shaft, a pump rotor, a reactance stator, a turbine rotor, a gear carrier connected to rotate with the drive shaft, planet gearing mounted on said gear carrier, two coaxial gears meshing with said planet gearing, one of said gears and said turbine rotor being connected to rotate in unison with the driven shaft,



clutch means for connecting and disconnecting said pump rotor with respect to the other of said gears, and clutch means for connecting and disconnecting said pump rotor with respect to said gear carrier.

22,467
HIGH GRASS LAWN MOWER
Jacob A. Ronning, Minneapolis, Minn.
Original No. 2,251,637, dated August 5, 1941, Serial No. 288,358, August 4, 1939. Application for reissue July 28, 1942, Serial No. 452,666
15 Claims. (Cl. 56—26.5)



10. In a machine of the kind described, laterally spaced side frames, each side frame including a pair of tubular bars connected together adjacent their outer ends and spaced apart rearwardly of their connected outer end portions to provide a bifurcated wheel opening in each frame, a wheel located in the wheel opening of each frame member and journaled thereto, a transversely extending frame member connecting the spaced rear ends of the bars of opposite side frame members, cutting mechanism disposed between the outer ends of the opposite side frame members and connected thereto, and an engine mounted on said transversely extending frame member and having a driving connection with the cutting mechanism.

22,468
RECORD
Richard W. Sears, II, Grayslake, Ill.
Original No. 2,316,815, dated April 20, 1943, Serial No. 405,965, August 8, 1941. Application for reissue April 24, 1943, Serial No. 484,438
19 Claims. (Cl. 274—42)

1. A record comprising an upper surface including a portion for the recording and reproduction of sound, a lower substantially coextensive surface underlying said upper surface, there being a recess provided in the body of the record between said surfaces and extending beneath the recording and reproducing portion of said upper



surface, and a removable tag inserted in said recess.

PLANT PATENTS

GRANTED APRIL 4, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

622
GARDENIA PLANT
Valentine Comte Kondo, Miami, Fla.
Application September 13, 1943, Serial No. 502,208
1 Claim. (Cl. 47—60)

The new and useful variety of gardenia plant, substantially as herein shown and described, characterized particularly by its vigorous, fast growth; its freedom from disease; its constant heavy production of flowers; the retention of its buds at all seasons; its production of a single bud to a branch; its large, dark, glossy foliage which forms in a whorl; its large buds of magnolia-like appearance; its very large, camellia-like flowers with great petallage and with substantial, rounded petals of pure white with greenish cream edging on under side of outer row; the sweet magnolia-like fragrance of its flowers; and the great endurance and longevity of its flowers both on the bush and after being cut.

PATENTS

GRANTED APRIL 4, 1944

2,345,550
AERIAL FENCE
Alex Berman, Louisville, Ky.
Application September 3, 1940, Serial No. 355,217
4 Claims. (Cl. 244—33)



1. In an aerial fence of the type comprising a cable having an inflatable and deflatable collapsible balloon at its upper end and a winding winch at its lower end, the improvement which comprises a swivel connected to the upper end of the cable and extending into the balloon, a number of smaller balloons within the main balloon, and means connecting the small balloons to the swivel.

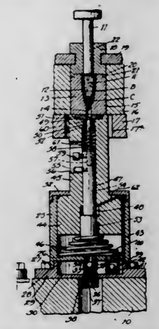
2,345,551
SHOE AND OUTSOLE THEREFOR
Frank F. Audino, Corona, Long Island, N. Y.
Application October 19, 1942, Serial No. 462,510
16 Claims. (Cl. 36—31)



1. A shoe having an upper, an outsole and a heel, said outsole comprising forward and rear parts disposed in edge to edge relation and joined in said relation intermediate the length of the outsole, said forward part having a shallow recess in its bottom surface near the rear edge thereof, and a covering layer fitted in said recess and extending over and covering the joint between said forward and rear parts.

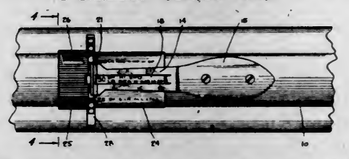
2,345,552
CUSHIONING MEANS
Charles O. Ballou, Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application November 11, 1942, Serial No. 465,227
10 Claims. (Cl. 86—30)

1. In a support for a die, or the like, wherein the die or the like has an article ejecting passage in its underside, a main die supporting member adapted to have movement in line with the direction of pressure applied to the die, a secondary supporting member having parallel movement relatively to said main die supporting member and engageable in said ejecting passage of said die to engage and support the article therein, supporting means for said die supporting member, sustaining means cooperating between said supporting member and said main and secondary



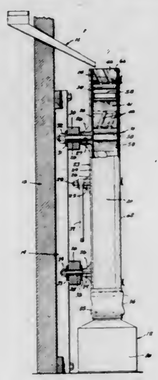
supporting means having a predetermined sustaining pressure, and releasing means for said sustaining means adapted to release said sustaining pressure when the pressure on the die exceeds a predetermined point.

2,345,553
FIREARM SIGHT
Harold A. Brown, New Haven, and Charles H. Barnes, Bridgeport, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
Application March 12, 1942, Serial No. 434,320
3 Claims. (Cl. 33—58)



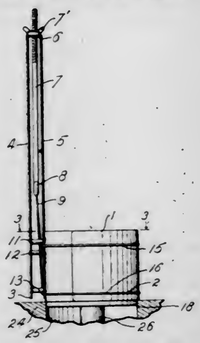
1. A sight for firearms comprising a resilient sight member secured to the barrel of said firearm, said member having a sight aperture and a closed slot adapted to function as a reference line; a manually controlled sleeve mounted to rotate on said barrel on an axis coincident with the axis of said barrel, said sleeve having a separable cam disk secured to one end thereof provided with an exterior surface eccentric to the axis of said barrel and engaging said sight member to raise or lower said sight member by turning said sleeve on said barrel there being notches in the eccentric surface of said disk; indicia on the periphery of said sleeve corresponding respectively to said notches and constructed and arranged to be consecutively viewed through the slot in said resilient member as the sleeve is turned; and means on said sleeve to rotationally lock the cam disk angularly with respect to said sleeve whereby each of said notches may be positioned opposite corresponding indicia on said sleeve.

2,345,554
MATERIAL BLENDING
Philip H. Burdett, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 26, 1942, Serial No. 456,220
9 Claims. (Cl. 259—180)



1. A tower for mixing materials comprising alternately arranged pairs of vertically spaced symmetrically converging and diverging surfaces; means on said converging surfaces for deflecting the flow of materials thereover; and means at the apices of said converging surfaces extending transversely to and in the path of said materials to diffuse and distribute the materials being discharged from said converging surfaces onto said diverging surfaces.

2,345,555
COMPRESSOR FOR PISTON RINGS AND THE LIKE
Russell G. Dean, Los Angeles, Calif.
Application July 13, 1943, Serial No. 494,464
4 Claims. (Cl. 29—86.4)



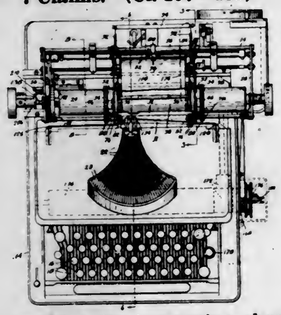
1. A piston ring compressor unit comprising an overlapping flexible band having a cylindrical form and a standard having a cable operating end and a power working end, said cable operating end having one side thereof in abutment with a side of the band, a plurality of cable spacing means fixed to the cable operating end of the standard and cable pulling means at the power working end of the standard, cable coupling means at a lower end of the cable pulling means, a continuous cable formed into a plurality of spaced apart loops about the band, one end of each loop being closed and having bearing relation with part of the cable spacing means and the other ends of the cable having bearing relation with another part of the cable spacing means and terminated in fixed relationship with the cable coupling means, so that when the cable pulling means is operated in one direction the loops are tightened about the band for reducing the perimeter thereof, said construction being so related that the cable extends from the cable coupling means, thence around a spacing means, thence around the band to another cable spacing means, thence around said spacing means, axially of the band to another spacing means, around said spacing means, thence around the band in opposite direction from said first loop around the band, thence around a spacing means and to said cable coupling means.

2,345,556
DETACHABLE ORNAMENT OR INSIGNE
Norman A. Doerr, Washington, D. C.
Application September 18, 1943, Serial No. 502,905
3 Claims. (Cl. 40—1.5)



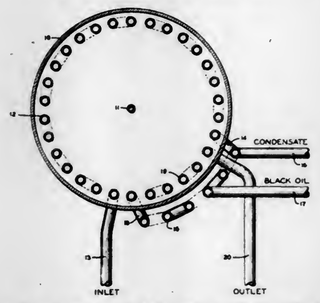
1. An ornament of the character described comprising, a dished plate having a rearwardly extending loop, a retaining plate of thin flexible material provided with a central aperture fitting over the loop and through which the loop projects, the edges of the aperture being formed with flexible tongue portions extending into the loop and holding a part of the fabric disposed between the two plates over the loop and partly projected into the loop.

2,345,557
APPARATUS FOR FORMING CHARACTERS ON STENCILS
Harmon P. Elliott, Watertown, Mass.
Application February 12, 1943, Serial No. 475,635
7 Claims. (Cl. 197—135)



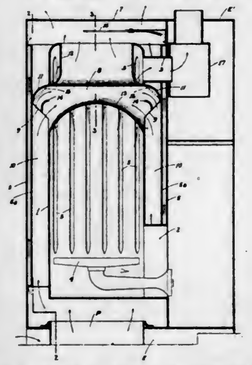
1. In a machine for impressing characters on stencils, the combination with a platen and a collection of type characters, of a stencil holder including horizontally spaced frame plates traversing the platen, a front plate connecting the frame plates in front of the platen, a slidable stencil-engaging member on said front plate having means for engaging the lower part of the stencil, said member being constructed and arranged for downward movement by corresponding movement of the stencil, means limiting the amount of downward movement, and means for raising said member following upward movement of the stencil.

2,345,558
CRACKING HYDROCARBON OILS
Luis de Florez, Pomfret, Conn., and James W. Gray, Lambertville, N. J., assignors to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware
Application April 8, 1941, Serial No. 387,418
4 Claims. (Cl. 196—47)



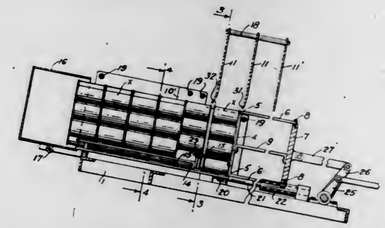
1. In the cracking of hydrocarbon oils the process that comprises passing a condensate stock through a heating coil in a heating zone, burning fuel to generate heat for the heating zone and applying the generated heat to said heating coil to subject the oil stream to a high cracking temperature, discharging the heated oil stream from the heating zone and passing it through a confined passageway in a cooling zone to thereby effect a reduction in the temperature of the oil stream, introducing a black oil stock into the cooled stream, passing the resultant mixture through a confined passageway with successive changes in the direction of flow to thereby produce therein a homogeneous mixture while continuing the application of cooling to the confined passageway, passing the homogeneous mixture thence through a subsequent heating coil and applying generated heat thereto to raise the temperature of the oil stream and subject it to further cracking therein.

2,345,559
AIR HEATING FURNACE
Richard E. Fraser, Stockton, Calif., assignor to Fraser Furnace Company, Stockton, Calif.
Application July 5, 1941, Serial No. 401,149
8 Claims. (Cl. 126—99)



2. An air heating furnace comprising an upstanding firebox having a burner in its lower end and a flue gas outlet adjacent its upper end, an upstanding casing surrounding the firebox, the firebox and casing being disposed in clearance relation to each other, whereby to form air-flow passages between corresponding walls thereof, said casing having an air inlet adjacent its lower end and an air outlet at its upper end, vertically elongated, horizontally spaced hollow fins formed on opposed walls of and open to the interior of the firebox, said fins projecting laterally outwardly across adjacent air-flow passages to a termination close to the corresponding wall of the casing, a substantially horizontal air conduit extending across the firebox intermediate the ends of said fins, said conduit projecting at its ends through other opposed walls of the firebox into communication with adjacent air-flow passages, said conduit being of a size and configuration in plan to substantially block the firebox whereby to deflect the gases of combustion below said conduit into said fins for passage about the conduit, and a top outlet on the conduit intermediate its ends extending upwardly through and out of the firebox into the casing.

2,345,560
BOX LOADER FOR CANS
John Albertoli, San Francisco, Calif.
Application April 8, 1941, Serial No. 387,387
7 Claims. (Cl. 226—15)

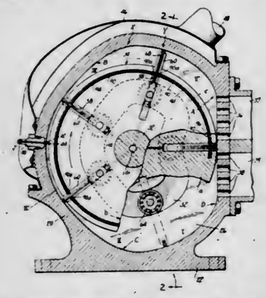


1. In a machine for loading cans into boxes, an assembling compartment into which the cans are fed to lie parallel, a pusher for pushing the assembled cans longitudinally out of the compartment toward the box to be loaded, partitions in the assembling compartment spaced to hold the cans on their sides in upwardly extending single file adjacent rows, walls at the outer sides of both end rows, can supporting guide means between said partitions alternately offset to support the cans of alternate rows one can less in diametrical height than adjacent rows, said walls and supporting guide means extending beyond the assembling compartment a distance equal to the length of several cans so as to hold several assemblages of cans one behind the other, and said walls converging to progressively force the cans all into tight contact as they move along, as successive assemblies are pushed out of the compartment one behind the other by the pusher, said partitions extending substantially beyond the assembling compartment with said guide means.

2,345,561
INTERNAL COMBUSTION ENGINE
Roy Albert Bryan Allen, Jr., Dallas, Tex.
Substitute for abandoned application Serial No. 346,708, July 22, 1940. This application November 12, 1941, Serial No. 418,739
4 Claims. (Cl. 123—16)

2. An internal combustion engine having a generally cylindrical rotor journaled within a casing, the surface of said casing being at varying distances from said rotor about its periphery,

blades sliding in radial slots in said rotor, cam means constraining said blades to a uniform clearance of their outer edges at their center-of-thickness planes from the casing surface, slots in the outer edges of said blades, a plurality of sealing elements slidable within said slots and forced



into close contact with the casing surface, and a spring acting on all the sealing elements to force same into close contact with the casing surface, and to translate inward movement of any one sealing element into outward movement of the other sealing elements.

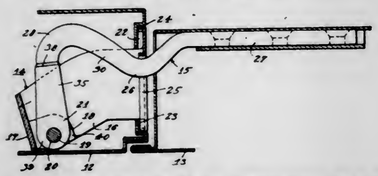
2,345,562

METHOD OF MAKING HINGE MEMBERS

Seth B. Atwood, Rockford, Ill.

Application August 31, 1940, Serial No. 354,934

4 Claims. (Cl. 29—11)



1. The method of making hinge members which consists in subjecting a bar of rectangular cross-section to a combination rolling and forming operation, whereby to form from a single bar a plurality of connected blank portions having the grain running lengthwise of all of said blank portions each blank portion as a result of the rolling operation having increased width and decreased thickness at one end, and intermediate thicknesses and widths intermediate the ends, and substantially the original width and thickness of the bar at the other end, then cutting the blanks from the bar, then compressing a short length of the last named end portion edgewise so as to reduce the width of said portion but increase the thickness appreciably above that of the original bar, and finally drilling a pintle hole crosswise in said thickened end portion.

2,345,563

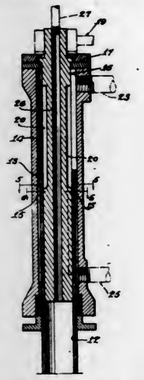
HYDRAULICALLY OPERATED DROP HAMMER

Robert L. Alcorn, Jr., Chambersburg, Pa., assignor to Chambersburg Engineering Company, Chambersburg, Pa., a corporation of Pennsylvania

Application June 27, 1941, Serial No. 400,104

10 Claims. (Cl. 78—42)

1. In apparatus of the type described, a cylinder, intake and outlet ports at opposite ends thereof, a piston therein, a hollow rod for the piston having a port communicating wtih said inlet port, means urging the piston in one direction, a member oscillatable in the rod having a fluid discharge groove extending longitudinally thereof and communicating with said outlet port and positionable to communicate with the port of said



rod, said groove tapering in transverse width from end to end, whereby to provide zones of differing lengths for coaction with said piston port means to oscillate said member to selectively place said zones in alinement with the piston port, and means to continuously deliver pressure fluid to said inlet.

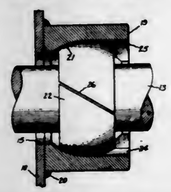
2,345,564

BEARING ARRANGEMENT

Wayne H. Allen, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York

Application June 12, 1941, Serial No. 397,769

2 Claims. (Cl. 308—72)



1. Bearing arrangement comprising a bearing member consisting of a single piece having a cylindrical bearing surface for supporting a shaft and an outer spherical surface, a housing consisting of a single piece forming a spherical wall for engaging said spherical surface, diametrically opposite portions in one half only of the spherical wall being cut away and forming diametrically opposite passages with cylindrical surfaces of a diameter equal to that of the spherical wall to permit the bearing member to be inserted into and removed from the housing.

2,345,565

BOTTLE HOLDER

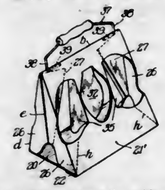
Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application June 17, 1940, Serial No. 340,861

14 Claims. (Cl. 229—52)

1. A knock-down carrier carton comprising a receptacle formed of paper board or the like shaped and creased to provide a bottom panel

and two side panels which have their upper ends flexibly connected along a transverse fold line, and wing flaps extending along the lateral margins of the side panels and flexible to angular relationship thereto, the wing flaps which are at the adjacent margins of the side panels being directly connected at their upper ends along transverse fold lines on which they may be



swung toward and from each other and the wing flaps being provided with fold creases extending obliquely across them from their upper inner margins adjacent said last mentioned fold lines and marking said flaps off into end panels and tuck sections which are flexible to angular relationship, said receptacle being provided at its upper end with a handle whereby it may be carried.

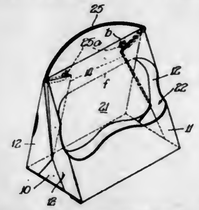
2,345,566

BOTTLE CARRIER

Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application March 17, 1941, Serial No. 383,741

10 Claims. (Cl. 229—52)



1. A bottle carrier comprising a sheet of paper board or the like creased to provide a bottom panel upon which bottles may stand and side panels extending upwardly from opposite side margins of the bottom panel, the side panels carrying wing flaps bent angularly from their side margins to form end walls over the ends of the bottom panel and tuck flaps bent angularly from the end walls along lines approximately perpendicular to the bottom midway between the side panels, said tuck flaps extending throughout most of the height of the end walls, and a handle having spaced end portions which have supporting engagement with the tuck flaps over opposite ends of the bottom panel and an intermediate portion forming a bail extending from end wall to end wall above the side panels.

2,345,567

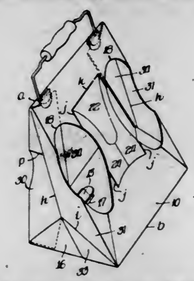
BOTTLE HOLDER

Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application April 6, 1942, Serial No. 437,736

12 Claims. (Cl. 229—52)

1. A bottle carrier comprising a receptacle formed of a sheet of paper board or the like and having a bottom and side panels arranged in triangular relationship and provided with a handle at the upper ends of the side panels, said bottom and panels being foldable relative to one another along parallel transverse crease lines to permit collapsing of the receptacle to flattened condition, end sections flexibly connected to end margins of the bottom and foldable inwardly onto the upper surface thereof, lateral sections flexibly connected to lateral margins of the side panels and foldable inwardly onto the inner surfaces thereof, the lateral sections which are connected to adjacent margins of the side panels be-



ing connected to each other at their upper ends and the lateral sections of one side panel being connected to the end sections and being flexible relative thereto along fold lines extending obliquely relative to the bottom, and said end and side sections being shaped to form end walls extending angularly from the lateral margins of the side panels and end margins of the bottom in locations between the side walls when the receptacle is in its set-up triangular form.

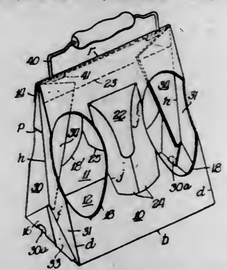
2,345,568

BOTTLE HOLDER

Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application May 14, 1942, Serial No. 442,915

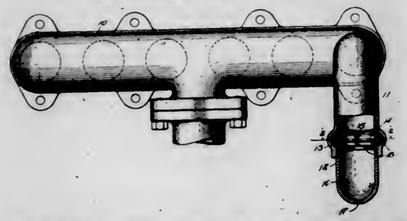
24 Claims. (Cl. 229—52)



1. A collapsible bottle holder comprising a sheet creased to form a container having a bottom, a pair of side panels connected to each other at their upper ends and at their lower ends to respective side margins of the bottom, end sections flexibly connected along end margins of the bottom, and lateral sections extending along side margins of the side panels and foldable inwardly against inner surfaces thereof and also to positions where they extend angularly from the side panels and form end walls over ends of the bottom when the container is in set-up condition, certain of the lateral sections being attached at their lower portions to respective end sections, said sheet being creased transversely to permit said panels and lateral sections to be folded to flat collapsed relationship with the bottom, and the attached end and lateral sections being foldable relative to each other along oblique fold lines

to permit the end sections to swing to upstanding positions in the setting-up of the container and to in-folding positions on the bottom when the container is collapsed.

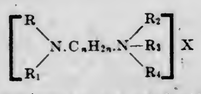
2,345,569
INTERNAL COMBUSTION ENGINE
Charles R. Flint, La Porte, Ind., assignor to The De Luxe Products Corporation, La Porte, Ind., a corporation of Indiana
Application December 5, 1941, Serial No. 421,800
5 Claims. (Cl. 60—30)



5. In combination with a multi-cylinder engine having an exhaust manifold common to a plurality of cylinders beyond the exhaust valves of the cylinders, said manifold being under alternating pressure and vacuum adjacent the cylinders during operation of the engine; an atmospheric air vent in the manifold adjacent the cylinders; and a check valve without substantial inertia in said vent responsive to said alternating vacuum and pressure.

2,345,570
COAGULATING BATH CONTAINING CATION-ACTIVE INHIBITORS
Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 7, 1938, Serial No. 233,824
8 Claims. (Cl. 18—54)

1. An acid viscose spin bath, for coagulating viscose filaments therein, containing a dissolved zinc salt and a dissolved, substantially stable, cation-active alkylene derivative having the structure:

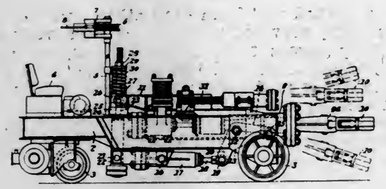


in which R represents an aliphatic acyl radical having 8 or more carbon atoms, R_1 represents a substituent selected from the group consisting of hydrogen, acyl radicals, alkyl radicals, aryl radicals and aralkyl radicals, R_2, R_3 and R_4 represent a radical selected from the group consisting of alkyl radicals, aryl radicals and aralkyl radicals, n is a whole number and X represents an innocuous anion.

2,345,571
VITAMIN FORTIFICATION
André E. Briod, Short Hills, and Loran O. Buxton, Newark, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 7, 1942, Serial No. 442,060
10 Claims. (Cl. 99—11)

3. A process of producing a dry, vitamin-fortified product which comprises treating a relatively oil-free vegetable material containing natural antioxidants and natural hydrophilic dispersing substances with acetic acid-organic solvent mixture to liberate antioxidants in said vegetable material, forming an aqueous slurry of said material, dispersing a fat-soluble vitamin-containing material in the aqueous slurry and finally drying the mass.

2,345,572
MANIPULATOR
Edgar E. Brosius, Pittsburgh, Pa.
Application September 23, 1940, Serial No. 357,852
6 Claims. (Cl. 78—96)



1. In a manipulator, a support, a material handling member having a material carrying portion projecting forwardly from said support, means including a power applying member disposed at least for the most part beneath the support for raising and lowering the forward portion of said material handling member and means including a separate power applying member and a lost motion connection for raising and lowering the rearward portion of said material handling member.

2,345,573
PROCESS FOR PREPARING β-NORBORNEOL AND ITS ETHER
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 18, 1942, Serial No. 466,049
4 Claims. (Cl. 260—611)

1. A method for preparing β-norborneol and dinorbornyl ether which comprises reacting water with ethylene-cyclopentadiene adduct in the presence of sulfuric acid.

2,345,574
PROCESS OF POLYMERIZING UNSATURATED HYDROCARBONS
Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 15, 1940, Serial No. 365,815
6 Claims. (Cl. 260—683.15)

1. A process of polymerizing unsaturated hydrocarbons to produce a polymer product of relatively high viscosity, which comprises subjecting an unsaturated hydrocarbon to boron fluoride as a catalyst in such form that the boron fluoride is catalytically active as such, at a temperature of —20° to 75° C., and with an initial mol ratio of over 1:1 of boron fluoride to said hydrocarbon, and maintaining the boron fluoride partial pressure at least about 300 pounds per square inch in the reaction zone.

2,345,575
PROCESS OF PREPARING GASOLINE OF LOW GUM-FORMING TENDENCY
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 9, 1940, Serial No. 369,289
4 Claims. (Cl. 196—36)

1. A process of preparing gasoline, which comprises subjecting a naphtha to aromatizing by a catalyst of co-precipitated 80:20 gel type Al:Cr oxides at a temperature of 750–1200° F. and 40–180 pounds per square inch pressure in the presence of hydrogen to produce an aromatized product containing gum-forming constituents, and then selectively attacking the gum-forming constituents by subjecting the aromatized product containing such constituents to the presence of hydrogen and the same composition catalyst at a temperature below 900° F. but above 580° F.

2,345,576
STABILIZATION OF OXIDIZABLE SUBSTANCES
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application August 8, 1940, Serial No. 351,909
30 Claims. (Cl. 252—398)

1. A process for the recovery of antioxidants from fatty materials with which they are associated, which comprises contacting the fatty material containing natural antioxidants at a temperature above room temperature with a liquid aliphatic, polar organic compound containing at least 3 carbon atoms and being miscible with fatty materials at temperatures substantially above room temperature and partially immiscible with fatty materials at temperatures substantially below room temperature, the ratio of solvent to oil being greater than one, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed and separating the solvent layer containing the highly active antioxidant extract from the remainder of the fatty material.

2,345,577
PROCESS FOR REFINING FATTY MATERIALS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 21, 1941, Serial No. 375,255
12 Claims. (Cl. 260—398.5)

1. A process for refining a fatty material, which comprises contacting said material with a vegetable meal in the presence of a solvent for said material, said solvent containing a relatively small amount of a lower aliphatic monocarboxylic acid.

2,345,578
STABILIZATION OF OXIDIZABLE ORGANIC MATERIALS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application June 11, 1941, Serial No. 397,547
16 Claims. (Cl. 252—398)

1. A process for obtaining antioxidants from vegetable oil-bearing solids containing natural antioxidants, which comprises contacting a vegetable oil-bearing solid containing natural antioxidants with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 3 to 6 carbon atoms, esters formed by the reaction of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms and aliphatic ketones containing not more than 6 carbon atoms at a temperature above room temperature, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed and separating the solvent layer containing the highly active antioxidant extract from the remainder of the mass.

10. A highly active natural antioxidant concentrate prepared in accordance with the process set forth in claim 1.

2,345,579
STABILIZATION OF MOTOR FUELS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application June 21, 1941, Serial No. 399,212
10 Claims. (Cl. 44—66)

1. A hydrocarbon motor fuel stabilized by the presence therein of a natural antioxidant concentrate prepared by contacting a natural antioxidant-containing material selected from the group consisting of vegetable oils and vegetable oil-bearing solids at a temperature above room temperature with a solvent selected from Table I, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed, separating the solvent layer from the insoluble residue and removing the extracted natural antioxidant concentrate from the solvent.

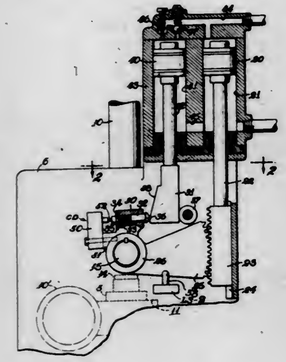
2,345,580
STABILIZATION OF MINERAL OILS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application June 21, 1941, Serial No. 399,213
13 Claims. (Cl. 252—52)

1. A mineral oil stabilized by the presence therein of a natural antioxidant concentrate prepared by contacting a natural antioxidant-containing material selected from the group consisting of vegetable oils and vegetable oil-bearing solids at a temperature above room temperature with a solvent selected from Table I, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed, separating the solvent layer from the insoluble residue and removing the extracted natural antioxidant concentrate from the solvent.

2,345,581
MACHINE TOOL
Harry J. Caldwell, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application April 3, 1941, Serial No. 386,613
17 Claims. (Cl. 51—34)

17. The combination with means for applying a force to expand a honing tool, of a movable member, means for moving said member at a rate proportioned to the actual rate of expansion of the

tool, a second member supported for movement relative to said first member, means for moving said second member at a rate proportioned to a desired rate of tool expansion, said members maintaining a predetermined relationship as long



as the actual rate of tool expansion coincides with the desired rate, and means operative in response to a change in the relationship of said members due to a lag in the actual rate of tool expansion for applying additional expanding force to the tool.

2,345,582

EXPLOSIVE COMPOSITION

Claude H. Carey, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1940, Serial No. 351,213

17 Claims. (Cl. 52—14)

1. The process of preparing an explosive composition which comprises intimately incorporating a water-soluble nitrate consisting of at least 60% ammonium nitrate with a small sensitizing proportion of a non-explosive oily material, said incorporation being conducted in the presence of water and heat to form a plastic mass, shredding the plastic mass so produced into coarse, firm particles, drying the particles to a hard state under conditions such that the particles will not coalesce, and fragmenting the hard particles to pass a 14 mesh screen.

2,345,583

COATED OBJECT AND PROCESS FOR MAKING THE SAME

Newcomb K. Chaney, Moylan, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application August 19, 1939, Serial No. 291,007

19 Claims. (Cl. 99—181)

1. A formed film-coated article shaped by deformation of a metallic body coated with dried resinous polymer of cyclopentadiene selected from the group consisting of resinous polycyclopentadiene and resinous copolymer of cyclopentadiene and methyl cyclopentadiene in which copolymer the proportion of methyl cyclopentadiene does not exceed 20%, said formed film adhering tenaciously to the formed metal.

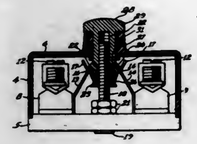
2,345,584

AUTOMATIC SHORT CIRCUITING DEVICE

John H. Chiles, Jr., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 1, 1942, Serial No. 456,943

12 Claims. (Cl. 200—50)



1. A current transformer terminal block comprising a base, secondary terminals mounted on the base, means for short circuiting said terminals comprising switch contact members connected to said terminals and having spring biased contact fingers extending toward each other a contact button slidably positioned between said fingers and comprising a narrowed current conducting portion and a widened insulating portion flaring outwardly from the conducting portion and normally biased by said fingers to move the contact button to a position to close a circuit between said contact fingers through said conducting portion, and a cover formed to be positioned and secured upon said base and when so positioned to engage and move said button against the bias of said fingers to position the insulating portion of said button between the contact fingers for interrupting the circuit between said secondary terminals.

2,345,585

HYDRAULIC FLUID

John M. Clark and Ralph E. Van Deventer, Detroit, Mich., assignors to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 3, 1940, Serial No. 351,102

3 Claims. (Cl. 252—73)

1. The method of making a hydraulic fluid comprising heating at from about 180° F. to about 220° F., a mixture of castor oil and a glycol in the proportions of from one to five parts castor oil to one part of glycol, in the presence of a strong alkaline catalyst dissolved in a quantity of a monohydric alcohol, and then adding more of said monohydric alcohol until the whole amount of said monohydric alcohol is from about 10% to about 70% of all of the ingredients.

2,345,586

HYDRAULIC FLUID

John M. Clark, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 3, 1940, Serial No. 351,103

3 Claims. (Cl. 252—74)

1. A substantially non-aqueous hydraulic fluid comprising by volume approximately 30 parts glycerine, 9 parts propylene glycol, 61 parts isobutanol and a quantity of borate only sufficient to inhibit the corrosive tendencies of the glycerine.

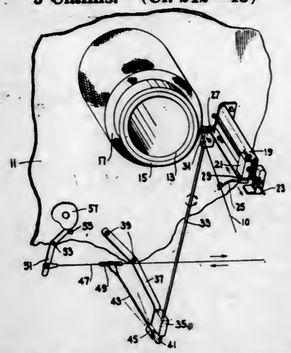
2,345,587

YARN WINDING

Harold Stockton Cole, Seaford, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application September 18, 1942, Serial No. 458,765

5 Claims. (Cl. 242—43)



1. In a winding apparatus, a yarn support, means for rotating said yarn support, a traversing member, means for shifting said member back and forth axially of said yarn support, a yarn guide pivotally mounted in said traversing member, an impact member positioned adjacent the yarn guide at one extreme end of its traverse stroke, an impact member positioned on said yarn guide to contact with said first impact member, said impact members having cooperating contact surfaces of sufficient area that upon contact between said impact members the yarn guide will assume an angular position on its pivot determined by the angular position of said first impact member at the instant of contact, and means for changing the angular position of said first impact member.

2,345,588

OIL SEAL

Howard M. Dodge, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application November 1, 1941, Serial No. 417,517

5 Claims. (Cl. 288—3)



1. An oil retaining device to seal a space between a housing and a rotatable shaft comprising an outwardly opening generally U shaped metal casing having a cylindrical portion to be fixedly held in oil tight contact on said shaft, a substantially radial backing portion carried by said cylindrical portion, and an outwardly extending annular restraining portion spaced from said backing portion; an angle shaped molded packing ring of oil resistant rubberlike material, said packing ring having a substantially radial annular portion disposed within said casing and bearing against the backing portion of said casing, and a sealing portion carried by said radial annular portion and in angular relation and integral herewith, said sealing portion having a generally conoidal inner surface and terminating at its free end in an annular sealing lip which is adapted to bear against an inner cylindrical surface; a molded pressure ring of flexible oil resistant soft resilient synthetic rubber compound disposed within the re-entrant angle between said radial portion and said sealing portion of said packing ring, said pressure ring having a portion which bears against said outwardly extending annular restraining portion of said casing and an outer tapered surface with an outer peripheral end portion that bears against the inner surface of said sealing portion of said packing ring adjacent the free end thereof; the pressure ring being molded on and adhesively attached to said restraining portion of said casing, whereby movement of the peripheral end of said pressure ring beyond the free edge of said packing ring is restrained by said annular restraining means.

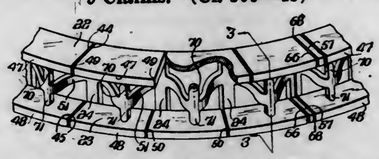
2,345,589

PISTON RING

Carl F. Engelhardt, Yeadon, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware

Application October 21, 1940, Serial No. 362,119

9 Claims. (Cl. 309—45)



1. A one-piece, flexible, self-expanding piston ring comprising a central, corrugated annulus composed of alternating crests and troughs of spring material extending in a generally radial direction, said crests being radially outermost and consisting of relatively narrow strips placed along the center line of said piston ring, a pair of more or less parallel, integrally formed extensions projecting from each of said troughs radially outward beyond said crests, the members of each pair of said extensions extending in generally opposite circumferential directions from the point of juncture with said troughs, said extensions forming a pair of more or less continuous, axially-separated, annular, cylinder-contacting ribs said extensions being substantially axially spaced from said crests and permitting radial passage of lubricant across said crests.

2,345,590

STABILITY WITH QUICKLY RESTORED PROTECTED SERIES CAPACITORS

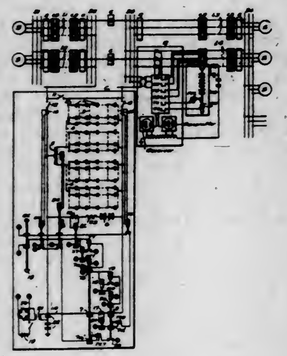
Robert D. Evans, Swissvale, and Ralph E. Marbury and Alexander C. Monteith, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 3, 1942, Serial No. 445,562

20 Claims. (Cl. 172—237)

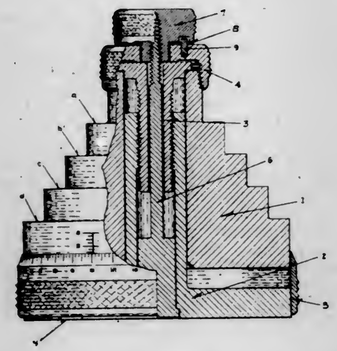
9. A synchronous power-transmitting system of a type in which continuity of service is main-

tained with stability, including fault-clearing means for disconnecting a faulted portion from the rest of the system within less than ten cycles after the occurrence of a fault, for most faults; series-capacitor-means in series with each phase of the transmission line; and means for quickly bypassing each series-capacitor-means, in response to fault-current in its phase, in time to



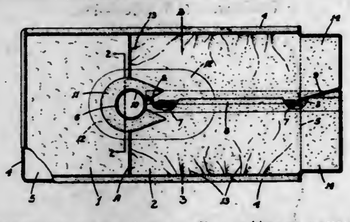
substantially prevent the maintenance of more than a predetermined amount of overvoltage on the series-capacitor-means, said bypassing-means being further characterized by the ability to automatically restore the bypassed series-capacitor-means to service within less than sixteen cycles after the incipience of the fault-current condition, for most faults.

2,345,591
MICROMETER MASTER GAUGE
Jean R. Frederick, Emporium, Pa.
Application January 27, 1941, Serial No. 376,227
6 Claims. (Cl. 33—164)



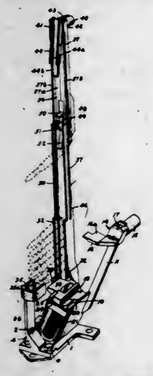
1. In combination in an instrument for measuring distance, a stepped cone provided with a plurality of parallel gauging surfaces, a base member having a central column extending through a central opening in said cone, a lead screw engaging said column and cone and arranged to translate rotary motion of said cone into axial motion thereof and a graduated indexing collar around said base and the lower portion of said cone to determine the value of axial movement in terms of rotary movement.

2,345,592
BABY COVER
Mischa Friedman, Los Angeles, Calif., assignor to Helen D. Friedman, Los Angeles, Calif.
Application October 10, 1941, Serial No. 414,473
1 Claim. (Cl. 5—334)



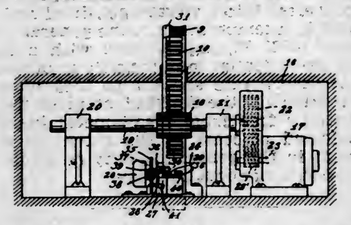
A sleeping cover for a crib mattress comprising a flexible envelope symmetrical to the mattress and adapted to fully enclose the latter, said envelope being permanently closed along both sides and the upper end and arranged to receive the mattress therein from the lower end, a flexible end flap on and projecting from the top of the envelope at its lower end to overlie and tuck under the lower end of the mattress, the top of the envelope being formed with a neck receiving opening and a slit extending continuously from said opening to the lower edge of the flap and a releasable fastener device to connect the edges of the slit extending from adjacent the neck opening to adjacent the lower end of the envelope and being releasable at that point to allow the envelope and flap on opposite sides of the slit, to be thrown back from each other.

2,345,593
CLIP LOADING MACHINE
John C. Garand, Springfield, Mass.
Application August 3, 1942, Serial No. 453,424
13 Claims. (Cl. 86—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



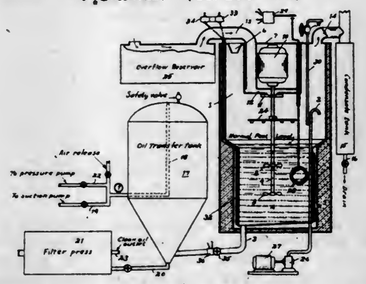
1. A clip loading device comprising a base, a vertical member mounted thereon and arranged to support a vertical row of cartridges, a magazine member adapted to receive a clip, said magazine member being pivotally mounted on said base beneath the vertical member whereby the clip opening may be aligned beneath the vertical row of cartridges, and means mounted on said magazine member arranged to divide a desired number of bottom cartridges from the vertical row and to force such divided cartridges downwardly and into said clip consecutively.

2,345,594
AUTOMATIC WINDOW SASH OPERATING MECHANISM
Clair C. Gardner, Rockford, Ill.
Application August 18, 1941, Serial No. 407,264
6 Claims. (Cl. 268—124)



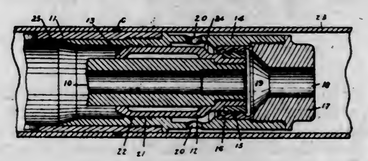
1. In a window sash operating mechanism of the character described, a reciprocable sash supporting and circuit controlling member adapted for attachment to a gravitating window sash movable in a window frame, said member having a longitudinally extending groove provided in one side thereof and a rack formed in another side thereof, a pinion meshing with the rack and mounted on a shaft supported in stationary bearings, electric motor driven means for driving said shaft selectively in either direction, a reversing switch having an oscillatable actuating lever projecting into the aforesaid groove for movement of the lever in one direction when the circuit controlling member reaches one extreme position and for movement of said lever in the opposite direction when said circuit controlling member reaches its other extreme position, and a relay switch for auxiliary control of said electric motor driven means normally biased in one direction toward closed circuit position but having an actuating part also extending into the groove with the aforesaid lever to be moved to open circuit position when the circuit controlling member reaches one of its extreme positions.

2,345,595
APPARATUS FOR OIL PURIFICATION
Fernand L. Gerin, Sandusky, Ohio, assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application August 4, 1940, Serial No. 351,401
7 Claims. (Cl. 196—16)



1. In apparatus for purifying oil, a treating chamber adapted to receive in its lower portion a pool of oil to be treated, means for heating the pool of oil within the chamber, means for circulating a vapor-removing stream of air through the upper portion of the chamber, means in the upper part of the chamber above the normal level of the pool effective over substantially the full diameter of the chamber for cutting down foam accumulating above the surface of the pool of oil, and an overflow reservoir at one side of the treating chamber communicating with the chamber above said means for cutting down the foam.

2,345,596
BARREL MOUNTING
Samuel G. Green, Gray, Ga.
Application July 8, 1940, Serial No. 344,369
4 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

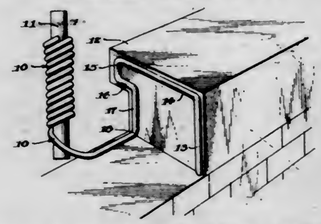


2. In a barrel mounting adapted for use in mounting the muzzle end portion of a gun within a blast tube in combination, a barrel jacket, a cylindrical member mounted on the jacket in axial prolongation thereof with its rear portion terminating within the jacket in an annular ramp surface, a bearing ring provided with interior annular grooves mounted within the rear portion of the member, a bearing broaching ring mounted within the member in forwardly spaced relation to said bearing ring, a removably mounted barrel mounted within the jacket, a sleeve secured to the barrel in fluid sealed relation adjacent its forward end and having a bearing portion extending rearwardly of the barrel in circumferentially spaced relation thereto, said sleeve being formed with a ramp surface intermediate its bearing portion and forward end portion adapted to cooperate with said first named ramp surface in centering the barrel relative to said member when interengaged, said barrel being mounted with the bearing portion of its sleeve disposed in accurately fitted bearing relation within said bearing ring, a cooperating bearing broaching ring provided on the forward end portion of said sleeve disposed within said first recited bearing broaching ring and having a working clearance of one to four times the clearance of the sleeve and bearing ring, and gas emission ports provided in said member intermediate the bearing and bearing broaching rings.

2,345,597
PHENOL-RUBBER CONTAINING COMPOSITION
Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1941, Serial No. 399,239
11 Claims. (Cl. 260—3)

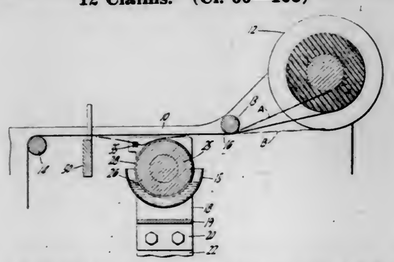
1. As a new composition of matter, phenol-rubber-product containing 0.5% to 30% of resinous basic amino-nitrogen containing polymer insoluble in water and soluble in organic solvents and 2% acetic acid, said phenol-rubber-product being a reaction product of rubber and at least one phenol, containing 1% to 5% of the phenol material chemically combined with the rubber which is resinous, thermoplastic, benzene soluble, acid resistant, alkali resistant, which does not adhere to rubber, which has an impact strength similar to phenol aldehyde resins, and which imparts a hardness to rubber like glue.

2,345,598
LUTING COMPOSITION
Claude L. Hartsell and Alfred D. Covert, Detroit, Mich.
Application November 25, 1940, Serial No. 367,042
1 Claim. (Cl. 106—282)



A strip to be used in building construction to form waterproof joints which comprises a plastic material formed in a continuous, bendable and flexible, strip of predetermined cord-like or rope-like cross section and diameter, material for said strip comprising a plastic compressible substance formed from approximately ⅔ blown asphalt and approximately ⅓ asbestos by weight.

2,345,599
STOP MEANS FOR TEXTILE MACHINES
Clyde B. Hayes, Saratoga Springs, N. Y., assignor to Van Raalte Company, Inc., New York, N. Y.
Application September 30, 1942, Serial No. 460,230
12 Claims. (Cl. 66—163)

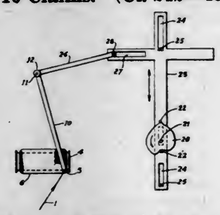


1. Means for controlling textile machinery in response to thread failure, said means comprising a roller having a peripheral portion thereof adjacent a normal thread path, means for rotating the roller so that said peripheral portion moves in the general direction of the thread, means for maintaining said peripheral portion coated with an electrically conductive substance, said roller comprising a terminal of an electric circuit, a second terminal of said circuit adjacent but spaced from said roller in the direction of thread movement, whereby a displaced thread contacting said roller has the conductive substance applied thereto and is moved to said second terminal to bridge said terminals and close a machine controlling circuit.

2,345,600
ALUMINA GEL CATALYSIS
Llewellyn Heard, Hammond, Ind., and Rodney V. Shankland and James C. Baille, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 7, 1942, Serial No. 453,930
14 Claims. (Cl. 196—50)

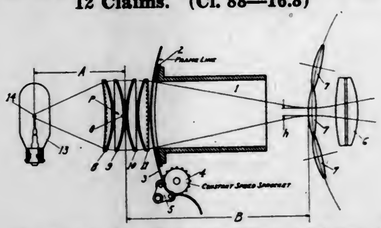
10. The method of converting a naphtha fraction for obtaining high yields of aromatization products and only a very small amount of carbon deposits which method comprises contacting said naphtha with a catalyst consisting essentially of an alumina gel substantially free from alkali metal and ferrous metal impurities which gel has been prepared by the action of water on amalgamated aluminum metal to form a sol which is then converted into a vibrant gel, dried and slowly heated to a temperature in the general vicinity of about 1000° F., impregnated with a decomposable molybdenum compound in amounts sufficient to incorporate about 5 to 15% of molybdenum oxide on the finished catalyst which is substantially free from alkali metal impurities, and calcined at least to the extent of a heat treatment in the general vicinity of about 1100° F. for a period of about 24 hours.

2,345,601
YARN WINDING
Willis F. Hickes, Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 15, 1941, Serial No. 374,453
10 Claims. (Cl. 242—43)



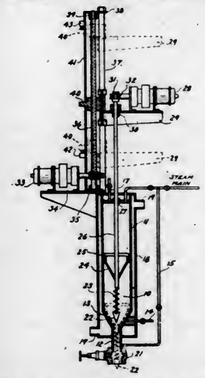
1. The method of winding yarn on a rotating yarn support which comprises traversing the yarn with predetermined strokes in back and forth directions across the face of the support as the yarn is wound thereon, a minor fraction of the length of the first portion of the traverse strokes in each direction of traverse being carried out at a higher speed than the remaining portion of said strokes.

2,345,602
APPARATUS FOR TELEVISION PICKUP FROM FILM
Arthur J. Holman, East Orange, N. J.
Application October 31, 1939, Serial No. 302,075
12 Claims. (Cl. 88—16.8)



1. In apparatus for television pick-up from motion picture film an illuminating system for an optical rectifying projector, said projector having a three frame film aperture, multiple moving optical rectifying elements and a stationary objective component, said illuminating system comprising a condenser including multiple axially aligned close coupled lens elements positioned as close as possible to said three frame film aperture, and a long narrow concentrated light source presenting to said condenser an oblong substantially uniform luminous area, said light source being oriented with respect to said three frame film aperture so the smaller dimension of said oblong luminous area lies in the direction of motion of said moving optical rectifying elements, the multiple lens elements of said condenser being of such size and shape as to cover fully said three frame film aperture and having refracting surfaces of such power as to image, said oblong uniform luminous area on said multiple moving optical rectifying elements, the image height h being small compared to the height of a rectifying element for the purpose of increasing the resolving power of said optical rectifying projector.

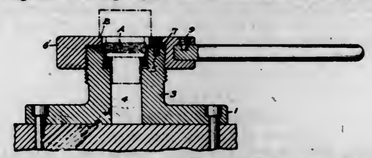
2,345,603
RESIDUAL HYDROCARBON TREATMENT
Eugene J. Houdry, Ardmore, and Harry P. Broom, Haverford Township, Montgomery County, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application February 15, 1940, Serial No. 319,008
6 Claims. (Cl. 196—122)



1. A casing having an upper chamber and a reduced lower end portion providing a communicating lower neck portion for the upper chamber, in combination with a device for removing matter accumulated in said casing, said device comprising a shaft having one end portion extending into the casing and another end portion exteriorly of the casing, a cutter including drilling means at the end of the shaft within the casing and reaming means disposed thereabove, means exterior of the casing for rotating said shaft, and other means for simultaneously lowering the shaft so as to drill through the accumulated matter, said drilling means being sufficiently large to scrape matter from the walls of the neck portion and said reaming means being sufficiently large to scrape matter from the walls of the upper chamber.

2,345,604
GRIPPING DEVICE
Robert G. Jackson, Hopatcong, N. J.
Application April 23, 1943, Serial No. 484,280
1 Claim. (Cl. 29—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

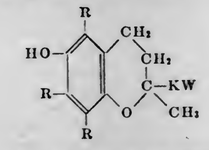
A fixture device for holding for further operations a machine part having a head and a threaded stem, in combination, a base having an upright hub provided with a central aperture internally threaded to receive the threaded stem of the said machine part with the under-surface of its said head spaced from the top-surface of the said upright hub, and a cap member provided with a central aperture for the said stem of the machine part, the web of the said cap member being somewhat less thick than the said space between the head of the machine part and the top of the upright hub, the said upright hub



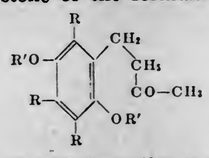
and the said cap member being complementally threaded whereby the cap member may be screwed upwardly against the said under-surface of the head of the machine part to lock the said machine part in the device.

2,345,605
CHROMANES AND PROCESS FOR THEIR PRODUCTION
Walter John, Gottingen, and Philipp Günther, Kassel, Germany, assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application June 25, 1941, Serial No. 399,678. In Germany December 6, 1938
6 Claims. (Cl. 260—333)

1. The process for the production of compounds of the general formula

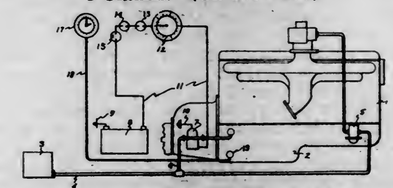


where R is selected from the group consisting of hydrogen and methyl, and KW is any monovalent hydrocarbon radical, which comprises reacting a ketone of the formula



where R is selected from the group consisting of hydrogen and methyl, and R′ is a hydrocarbon radical, with an organomagnesium halide.

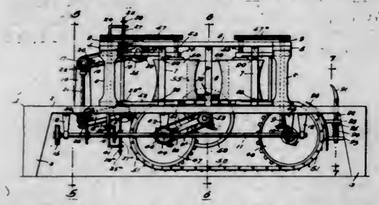
2,345,606
LUBRICATION OF INTERNAL COMBUSTION ENGINES
Emory D. Jones and Louis N. Murphy, Detroit, Mich.
Application March 20, 1942, Serial No. 435,512
5 Claims. (Cl. 123—196)



5. In a lubricant dilution system for internal combustion engines, the combination with the lubricant-receiving crank case of an internal

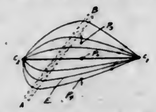
combustion engine, of a tank holding a diluting liquid, a delivery line from said tank to the crank case, an electrical device controlling the flow in said line, a circuit for said electrical device, and a time switch controlling said electrical device, adapted to open upon a predetermined time lapse, said electrical device positively prohibiting flow in said delivery line when deenergized.

2,345,607
FISH SCRAPER
Nathan Kaplan, Atlanta, Ga.
Application April 13, 1942, Serial No. 438,832
13 Claims. (Cl. 17—3)



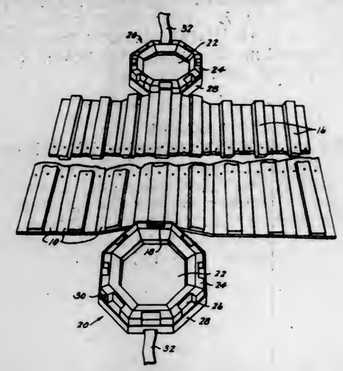
1. In a fish cleaning machine, a support, pairs of frames and means for mounting the frames on the support for horizontal swinging movement, means for yieldably resisting the outward swinging movement of the frames, side cleaners journaled on the frames for rotation each about a vertical axis, means for rotating the side cleaners, a belly slitter mounted for rotation on the support, means for rotating the slitter, elongated guides mounted on the support and located on opposite sides of the slitter, the frames of one pair slanting inwardly and rearwardly, and the frames of the other pair slanting inwardly and forwardly, thereby to shorten the machine and to bring the side cleaners of both pairs into overlapped relation to the ends of the guides and with respect to diametrically opposite portions of the slitter, fish cleaning means on the frame, and mechanism for advancing a fish with respect to the cleaning means, the guides, and the slitter.

2,345,608
GEOPHYSICAL PROSPECTING
Frederick W. Lee, Owings Mills, Md.
Application May 7, 1940, Serial No. 333,752
18 Claims. (Cl. 175—182)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



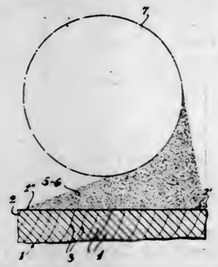
1. A method in geophysical surveying, comprising the steps of (*a*) establishing a flow of electric current through the earth between two points, (*b*) measuring potentials from a third point intermediate the first two points to other points on a line transverse to the line connecting the first two points, (*c*) determining the relative magnitude and sign of the transversely measured potentials which reflect and thus indicate the presence and location of strike of subterranean strata, and (*d*) repeating steps *a*, *b* and *c* in various orientations of current flow near the position at which a subterranean strike is indicated, until equality of magnitude, with opposite sign if magnitude is other than zero, establishes accurately the direction of strike.

2,345,609
AERIAL DELIVERY CONTAINER
William L. Lindsey and Harry Wilson, Fort Benning, Ga.
Application April 8, 1942, Serial No. 438,101
2 Claims. (Cl. 217—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A quick opening aerial delivery container which comprises a plurality of side members each made up of a relatively thin panel with a reinforcing bar extending lengthwise of said panel and secured thereto, means along the longitudinal edges of said panels for hingedly connecting them together so that they may either be laid out flat or have the two free edges brought together to form a hollow right prism, polygonal end caps having a peripheral groove to receive the ends of the panels with notches to receive the ends of the reinforcing bars, hinges near the ends of one of the panels for joining one edge of each cap to the ends of said panel, straps secured to the edges of the caps opposite the said hinges, and a quick opening fastening means connecting the free ends of said straps together.

2,345,610
WOOD FINISHING
Edgar A. Lehman, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application December 17, 1941, Serial No. 423,321
20 Claims. (Cl. 117—101)

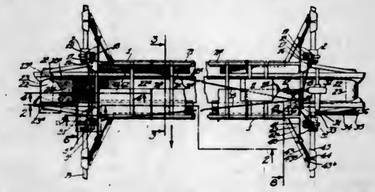


1. The process of emphasizing the grain structure of wood which includes, bombarding the wood surface with hard granular particles which per se will not discolor the wood, the particles being coated with dry pigment powder, until the wood grain lines are revealed by the pigment deposition.

2,345,611
PROCESS FOR PLUGGING FORMATIONS
William Bruce Lerch, Clyde H. Mathis, and Eugene J. Gatchell, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 7, 1938, Serial No. 200,766
7 Claims. (Cl. 166—22)

1. A method of plugging water formations in wells comprising introducing into the formation a liquid composition which consists of a resinous mixture, said resinous mixture comprising an aldehyde and a compound selected from the group consisting of urea and thiourea, to which has been added a catalyst in sufficient quantity to delay the time of set of the resinous mixture until it is in place in the formation to be sealed, pressuring the resinous mixture into place in the formation and holding the pressure on the resinous mixture until it has polymerized to form a solid resin plug in the formation.

2,345,612
SUBGRADER
William Hurst Lewis, Los Angeles, Calif.
Application August 2, 1940, Serial No. 349,465
14 Claims. (Cl. 37—108)

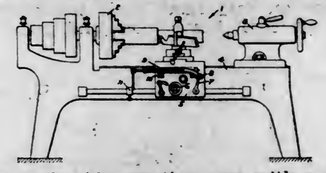


6. In a machine of the class described, a frame, a drum, an endless conveyor extending towards the opposite ends of the frame and around the drum, an inclined flange extending over the edges of the conveyor, and a yieldable and resilient edge member extending from the edge of the flange to the top of the conveyor and over the edge of the portion of the conveyor extending around the drum.

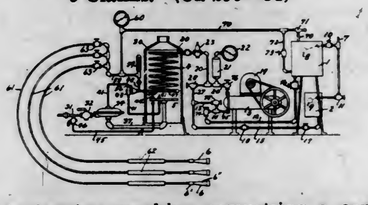
12. In a machine of the class described, the combination with spaced header boards, of a frame, means for supporting the opposite end portions of the frame on the header boards, blade means inclined downwardly and forwardly from the front side of the frame between the supporting means, at said opposite end portions, for lifting and directing backwardly road material from the bed of the road in front of the frame, and guide means at the opposite ends of the forward portion of the frame, said guide means being capable of being normally and continuously urged laterally to engage the header boards in front of the supporting means, for directing road material from adjacent the header boards inwardly towards the blade means.

2,345,613
LATHE ATTACHMENT
Ernest du B. Lukis, Bronx, N. Y.
Application August 7, 1942, Serial No. 453,926
8 Claims. (Cl. 82—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An attachment for arresting the automatic feeding movement of lathe carriages and the like comprising an elongated frame fitting the lathe carriage, a slider mounted for longitudinal movement in said frame, spring means biasing said slider for longitudinal movement in said frame, a sear retaining said slider against longitudinal movement, an operating arm on the attachment and means including a lock member cooperative with the said sear for tripping the sear upon engagement of said operating arm with a stop on the lathe to permit said spring to effect longitudinal movement of said silder, said slider being linked to the feed lever of the lathe to retract said lever from feeding position upon actuation of the slider.



2,345,614
CLEANING MACHINE
Job F. Malsbary and Walter W. Taylor, Oakland, Calif.
Application April 24, 1942, Serial No. 440,314
9 Claims. (Cl. 299—84)

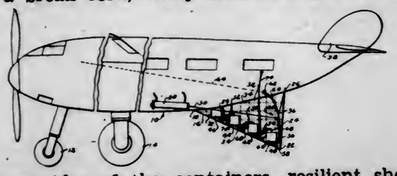


1. A cleaning machine comprising a conduit, means for maintaining a liquid therein under high and substantially constant pressure, a second conduit including a coil connected to the first conduit and having a restricted discharge orifice, a pressure-responsive regulating valve between the first conduit and the coil, means for heating the coil, a thermostat control for maintaining the coil temperature constant at a given setting, the pressure-maintaining means in the first conduit having a coil feeding capacity in excess of the coil requirements and the heater capacity under normal operating conditions, and the valve and the thermostat control cooperating in maintaining the pressure and the temperature in the coil substantially constant regardless of increases and decreases in the demand on the coil within the range of the machine.

2,345,615
MULTIPLE WEIGHT AERIAL DELIVERY CONTAINER LAUNCHING RIG
Frank G. Manson and James J. Maskey, Dayton, Ohio
Application April 25, 1942, Serial No. 440,483
7 Claims. (Cl. 244—137)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

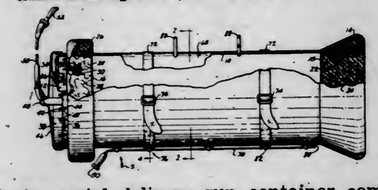
1. Apparatus for the landing of paratroops and their equipment from moving aircraft, which comprises an airplane having a body with an opening in the bottom, a cover hinged at the forward end to said opening, the rear end being swingable on said hinge upwardly to close said opening and downwardly to form a passageway, remote controlled means to swing said cover on said hinges, triangular side walls of flexible ma-

terial joined along one edge to the sides of the opening and at the other edge to the sides of the cover, thereby forming a protected landing ramp with a doorway facing rearward, an anchor line running lengthwise within the airplane, a series of equipment containers spaced one behind the other on said ramp each secured thereto by a break cord, heavy lines joining the inter-



facing sides of the containers, resilient shock absorbing rings interspaced between portions of said heavy lines, a parachute pack secured to the rearmost container of the series, a static line connected one end by break cord to the top of the canopy of the parachute and the other end to the said anchor line, and remotely controlled means for severing the break cord on the rearmost container.

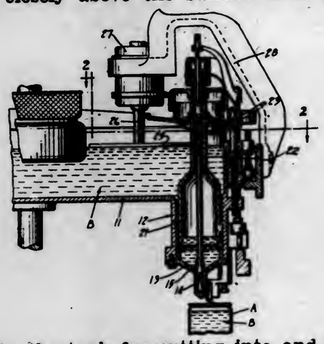
2,345,616
AERIAL DELIVERY GUN CONTAINER
Frank G. Manson and James J. Maskey, Dayton, Ohio
Application April 25, 1942, Serial No. 440,484
6 Claims. (Cl. 244—137)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aerial delivery gun container comprising, a tubular body, a head secured in said body far enough from the upper end to provide a receptacle in said body above said head for packing a parachute, a lower head in said body, and a series of substantially radial partitions in the space between said heads dividing said space into a series of gun compartments, each said gun compartment being provided with a separate access opening extending through the wall of said body.

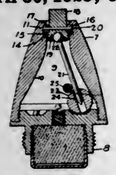
2,345,617
FILLING MACHINE
William McK. Martin, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 15, 1941, Serial No. 388,681
1 Claim. (Cl. 226—69)

In a machine for filling foam producing liquids into containers, the combination of a tank rotatable upon a vertical axis for retaining a quantity of the liquid for filling into containers, a plurality of spaced filling heads carried with said tank adjacent its outer edge and movable through a container filling station, a measuring element in each of said filling heads for holding a measured quantity of said liquid, a leveling tube on each of said measuring elements, said leveling tubes each having leveling ports disposed immediately above the surface level of the liquid in the tank, and a rotating horizontal blade mounted on a fixed vertical axis and located in said tank adjacent said filling station, the axis of said blade being disposed between the axis and the periphery of said tank, said blade being spaced closely above the surface level of the



liquid in the tank for cutting into and breaking down the surface bubbles of foam and preventing surface foam from contacting with a said filling head when the latter is passing through said filling station, thereby effecting the desired measured fill of liquid into the container.

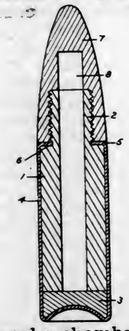
2,345,618
FUSE
Edward J. McCormick, Washington, D. C.
Application February 6, 1940, Serial No. 317,560
12 Claims. (Cl. 102—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fuse, a casing having an internal wall defining a forwardly tapered chamber with a neck portion, a floor for the chamber having an annular groove, a primer in the floor within the annular groove and in line with the neck portion of the chamber, a striker mounted in the neck portion of the chamber, a firing pin universally connected to the inner end of the striker, a ball adapted to ride in the annular groove and having an aperture receiving the inner end of the firing pin, said ball movable forwardly during flight to lodge in the neck portion of the chamber and align the firing pin with the primer, and removable means for holding the ball in the annular groove.

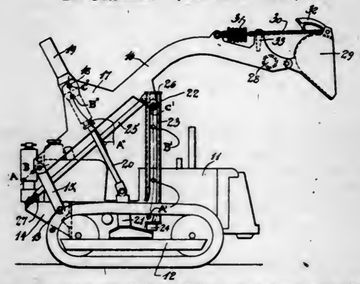
2,345,619
PROJECTILE
Wiley T. Moore, United States Army, Laverne, Okla.
Application June 27, 1941, Serial No. 400,042
3 Claims. (Cl. 102—92.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A projectile comprising a cup-shaped jacket, a filler plate in the base of said jacket, a tubular body portion in said jacket, said body portion having a section of reduced diameter near its front end forming a forwardly facing shoulder, an inwardly extending flange formed in the front end of said jacket in opposition to said shoulder to retain the core in said jacket in contact with



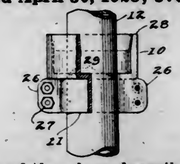
said base filler, and a chambered ogival nose cap threadably engaging the portion of reduced diameter and having a shoulder overlying the said flange.

2,345,620
TRACTOR PROPELLED IMPLEMENT
George W. Mork, South Milwaukee, Wis., assignor to Bucyrus Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application May 1, 1942, Serial No. 441,306
12 Claims. (Cl. 214—139)



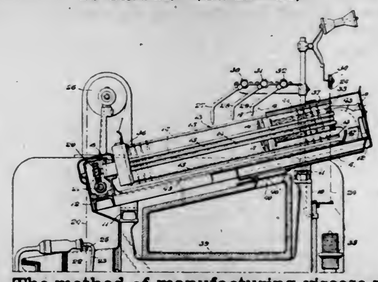
1. In a material-handling implement for attachment to a tractor which has a main frame and two creeping traction frames pivotally attached thereto, the combination of: two arms; and the implement proper, attached to the arms; each arm being supported and manipulated by the following described mechanism: a link, pivotally attached to the main tractor frame near the rear thereof and projecting upwardly therefrom, and pivotally attached to the rear end of the arm, and so disposed that at some intermediate position of this link its line of action will intersect the line of pivotal attachment of the creeping traction frames to the main tractor frame; a stop, carried by the main tractor frame, and adapted to limit the downward motion of the rear end of the arm; a substantially vertical guideway, carried by the main tractor frame near the front thereof; guide means, carried by the arm, to engage the guideway during the upper portion of its travel, and to be free of the guideway during the lower portion of its travel; a cylinder, pivotally attached to the arm, intermediate its rear end and the guide means; and a piston, in the cylinder, pivotally supported by the traction frame; the cylinder-piston assembly being so disposed that the path of the pivotal attachment to the arm is approximately a straight line, substantially coincident with the line of action of the piston in all positions thereof.

2,345,621
WITHE FOR MASTS, FLAG POLES, AND THE LIKE
Raymond E. Mothershead, Seat Pleasant, Md., assignor to Government of the United States, as represented for the purpose hereof by the Secretary of Commerce
Application September 12, 1942, Serial No. 458,177
1 Claim. (Cl. 254—188)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a device of the class described, the combination with a mast and mast halyard, of a withe fixed on the mast adjacent the mast-head, a hook for supporting a block and tackle and adapted for connection with the mast halyard in such manner that the hook supporting the block and tackle may be raised by the mast halyard for engagement with the withe, said withe including an integral vertical upstanding annular wall offset outwardly from the inner mast-engaging surface of the withe and spaced apart from the mast whereby a continuous annular recess is formed between the mast and the integral vertical upstanding annular wall, so that operative connection may be effected between the block and tackle supporting hook and the integral vertical upstanding annular wall at any point around the mast, the continuous recess formed by said wall around the mast receiving the end of the said hook.

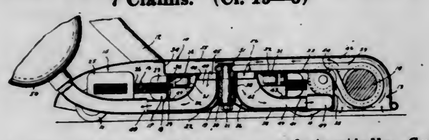
2,345,622
CONTINUOUS MANUFACTURE OF VISCOSE RAYON
Arthur F. F. Mothwurf, Philadelphia, Pa., assignor, by mesne assignments, to Industrial Rayon Corporation, a corporation of Delaware
Application June 29, 1940, Serial No. 343,259
12 Claims. (Cl. 18—54)



1. The method of manufacturing viscose rayon which consists in precipitating the thread in a spinning bath, in progressing the thread upon a common and unitary thread storage device in one direction, establishing upon the storage device in the direction of the progression of the thread at a distance from its leading-in end a zone of storage in which the thread is substantially free from adhering spinning bath precipitant by applying to the thread on the storage device in counterflow to the progression of the thread a precipitant-removal fluid which substantially completely removes adhering precipitant in advance of said zone, and in the desulphurizing within this zone the cellulose of the

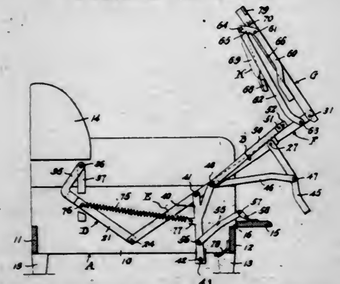
thread substantially completely through counterflow treatment by an aqueous solution of a kation active desulphurant fluid whose reaction with the sulphur takes place substantially completely within said zone, the desulphurant being of such a nature that the products of the desulphurizing treatment are at least within the time during which those products remain on said storage device substantially inactive as respects the thread and its adhering precipitant met with by the combined counterflow as it flows beyond the boundary of said zone toward the lead-in end of the device and leaves the storage device as waste fluid.

2,345,623
VACUUM CLEANER
William B. Oaks, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application March 25, 1940, Serial No. 325,876
7 Claims. (Cl. 15—8)



1. In a vacuum cleaner, a substantially flat housing having a downwardly opening nozzle and a discharge opening spaced horizontally from and arranged at substantially the same elevation as said nozzle, an electric motor having an armature in the form of a ring mounted in the housing for rotation about a substantially vertical axis, an air passageway between said nozzle and one end of said ring, an air passageway between the other end of said ring and said discharge opening and means revoluble with the armature for circulating air through said passageways and axially through the armature from the nozzle to the discharge opening in the housing.

2,345,624
CONVERTIBLE FURNITURE
Angelo R. Paladino, Elmont, N. Y., assignor to Superior Felt and Bedding Co., Chicago, Ill., a corporation of Delaware
Application June 17, 1942, Serial No. 447,368
3 Claims. (Cl. 5—13)

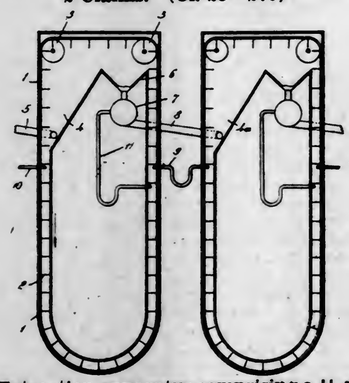


1. In a convertible article of furniture, a rectangular main frame, a combined bed-forming and seat-supporting unit composed of head, body, intermediate and foot sections, means pivotally connecting said unit to the main frame for relative movement from a folded seat-supporting position to an extended bed-forming position, said means including an angulated upstanding arm at each side pivotally connected at their upper ends to the main frame and formed as extensions of the head section and supporting links pivotally connected at their upper ends to the body section medially of the sides respectively and pivotally connected at their lower ends to the main frame, means hingedly connecting said sections together, a pair of legs hingedly connected to said unit at the pivotal connection of said body and intermediate sections, a link pivotally connected to each of said legs medially thereof and pivotally connected to an angulated arm carried by said supporting links respectively and links pivotally connected to the said angulated arms at the pivotal connections of said previously mentioned links therewith and pivotally connected at their opposite ends to the intermediate section of said unit for effecting the automatic movement of said legs to active and inactive positions as said unit sections are moved to folded and extended relation.

2,345,625
PROCESS OF DEHYDRATING DIALKYL ARYL CARBINOLS
Robert C. Palmer and Carlisle H. Bibb, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware
No Drawing. Application November 30, 1940, Serial No. 368,046
2 Claims. (Cl. 260—669)

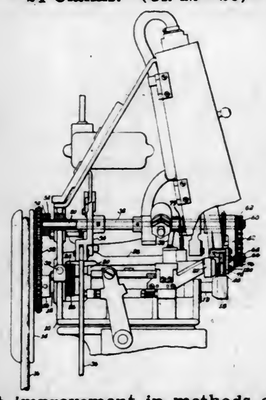
1. The method of preparing para-methyl-alpha methyl styrene from dimethyl tolyl carbinol which comprises heating said carbinol in the presence of carbon at a temperature of from 129° C. to 145° C. under a pressure of from 37 to 53 millimeters of mercury and fractionally distilling off said styrene as said styrene is formed.

2,345,626
SOLVENT EXTRACTING APPARATUS
Ellis Charles Pattee, Cincinnati, Ohio, assignor to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia
Application January 6, 1941, Serial No. 373,267
2 Claims. (Cl. 23—270)



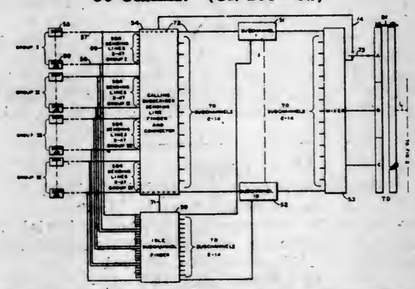
1. Extraction apparatus comprising a U-shaped housing, an endless conveyor in the housing, said conveyor being constructed and arranged to move down one leg of the U and up the other, a feed hopper at the upper end of and feeding into that leg of the housing in which the conveyor is to move downwardly, a chute for feeding material to be extracted to the hopper, an inlet for an extracting solvent in the other leg of the housing, an outlet in the leg in which the conveyor is to move downwardly, a press at the upper end of the housing, a press hopper above and connected to the press and adjoining the feed hopper but at a higher level, the upper run of the conveyor being constructed and arranged to dump extracted material into the press hopper, said hopper being constructed and arranged so that any overflow in said hopper will spill into the feed hopper and block the feed chute, a conduit for returning expressed solvent to the housing adjacent the solvent inlet, and means for discharging pressed solids.

2,345,627
METHOD OF AND MACHINE FOR OPERATING ON INSOLES
Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 1, 1943, Serial No. 477,547
24 Claims. (Cl. 12—20)



1. That improvement in methods of reinforcing ribbed insoles which consists in feeding an insole, laying a strip of canvas against the inner face of the rib and against the adjacent portion of the body of the insole, and crowding the strip in the direction of feed to prevent distortion of the insole.

2,345,628
MULTICHANNEL TELEGRAPH SYSTEM
Oscar E. Pierson, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 428,607
56 Claims. (Cl. 178—52)

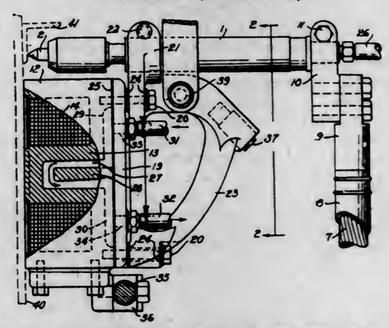


1. In a multichannel telegraph system wherein a plurality of subchannels when busy share the transmission time of a lane of traffic, a plurality of subscribers' stations associated in pairs with opposite ends of said lane of traffic, and means to place any one of said pairs of subscribers' stations in communication over any one of said subchannels.

2,345,629
EMBOSSING CRYSTALLINE POLYMERIC MATERIAL
John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 6, 1940, Serial No. 368,904
3 Claims. (Cl. 18—56)

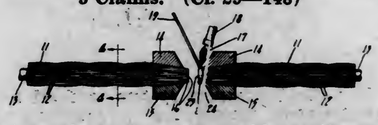
1. In a method of embossing the surface of a normally crystalline polymer selected from the group consisting of polymeric vinylidene chloride and normally crystalline copolymers of vinylidene chloride the step which consists in impressing upon a super-cooled body of such polymer an embossing die which is at a temperature above about 50° C. but below the softening point of the polymer for a period of time sufficient to cause crystallization of the shaped, superficial portion of the polymer body.

2,345,630
WELDING APPARATUS
Clarence Ringwald, Springfield, Ohio
Application September 2, 1942, Serial No. 456,990
3 Claims. (Cl. 219—4)



2. In an apparatus of the character described, a single welding machine electrode, an electric circuit for said electrode comprising a transformer, and a support for said electrode comprising an electro-magnet excited by direct current adapted to be applied to the metallic work adjacent the point of the welding operation, the body of said electro-magnet acting as a second electrode and being in series with said first electrode in said electric circuit, said electrode being located entirely at one side of said support and closely adjacent thereto, and all of the parts located on the same side of the work.

2,345,631
METHOD OF UNITING CABLE SECTIONS
Fred Owen Roberts, Milwaukie, Oreg., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 13, 1942, Serial No. 426,636
5 Claims. (Cl. 29—148)



1. A method of uniting cable sections each made up of wire strands, which comprises binding the ends of the strands of each cable section by brazing them together so that the brazed portion of each cable section is enlarged to a di-

ameter less than that of the cable sections, and constricting the wall of a sleeve over and around both of said enlarged portions thereby coupling together the separate cable sections having a diameter substantially equal to the diameter of the cable sections.

2,345,632

POLYAMIDES

Edwin A. Robinson, Chatham, and Maurice J. Kelley, Newark, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application May 20, 1939, Serial No. 274,808
13 Claims. (Cl. 260—404.5)

13. Polyamides having the general formula

$$R_1CO—NH—CH_2—CH_2—NH—CH_2—CH_2—NH—COR_2$$

in which R_1CO stands for a fatty acyl radicle containing from 8 to 22 carbon atoms, COR_2 stands for a fatty acyl radicle containing from 2 to 5 carbon atoms.

2,345,633

MANUFACTURE OF PYRIDINE-4.5-DICARBOXYLIC ACID COMPOUNDS

Walter Salzer and Hans Henecka, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application January 26, 1940, Serial No. 315,758. In Germany February 8, 1939
10 Claims. (Cl. 260—297.5)

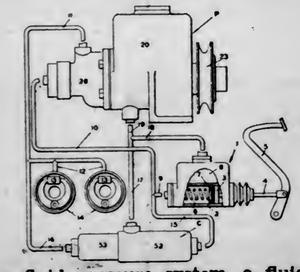
1. The process which comprises nitrating a 3-alkoxy-quinaldine-4-carboxylic acid by means of a nitrating agent, reducing the bz-nitro-3-alkoxy-quinaldine-4-carboxylic acid to the corresponding bz-amino compound by a reducing agent, converting the amino compound into a 2-methyl - 3 - alkoxy pyridine - 4.5.6 - tricarboxylic acid by oxidation, and decarboxylating the latter product to a 2-methyl-3-alkoxy pyridine-4.5-dicarboxylic acid compound by heat treatment.

2,345,634

BRAKE ACTUATING SYSTEM

Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application September 30, 1942, Serial No. 460,209
15 Claims. (Cl. 60—52)



1. In a fluid pressure system, a fluid motor, power-operated means for establishing fluid pressure in the motor, means for controlling the fluid pressure established in the motor by a proportionally lower manually developed fluid pressure, and means comprising a compounding device for manually varying the motor fluid pressure by varying the manually developed fluid pressure to values not exceeding the manually developed fluid pressure corresponding to that established in the motor by the power-operated means.

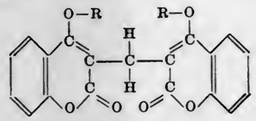
2,345,635

DI-ESTERS OF 3,3'-METHYLENEBIS(4-HYDROXYCOUMARIN) AND PROCESS OF MAKING THEM

Mark A. Stahmann and Karl Paul Link, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin

No Drawing. Application April 11, 1942, Serial No. 438,564
9 Claims. (Cl. 260—344.6)

1. The new di-esters of 3,3'-methylenebis(4-hydroxycoumarin) which have the following general formula:



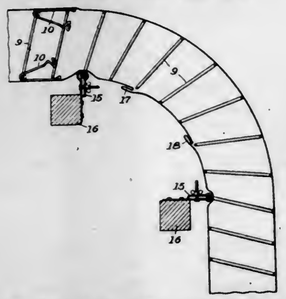
in which R represents an acyl group.

2,345,636

VENTILATING APPARATUS

Charles W. Stickler, Hazleton, Pa.

Application July 16, 1941, Serial No. 402,640
6 Claims. (Cl. 138—54)



3. Ventilating apparatus comprising the combination with a gas-conducting tube composed of material incapable of self-support, of an extensible supporting helix of a diameter such as to slide within the tube, serving when extended, to prevent collapse thereof, and means releasable manually through said material for holding the helix in a collapsed state while being positioned at a desired location along the length of the tube.

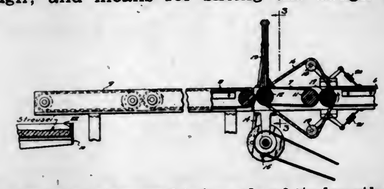
2,345,637

PRODUCTION OF COFFEE CAKES

Le Conie Stiles, Seattle, Wash.

Substituted for abandoned application Serial No. 303,819, November 10, 1939. This application October 7, 1941, Serial No. 413,961
10 Claims. (Cl. 107—1)

1. A machine for producing coffee cakes comprising, in combination: a "streusel" table supported for revoluble movement about a vertical axis and provided with a relatively flat facing surface uninterrupted circumferentially and functioning to receive a relatively dry "streusel" mixture; means for revolving said table at a relatively slow rim speed; a conveyor belt discharging above the table in off-set relation to the axis of revolution of the latter and acting as a carrier for an elongated rolled body of sheeted dough; and means for slicing the dough body



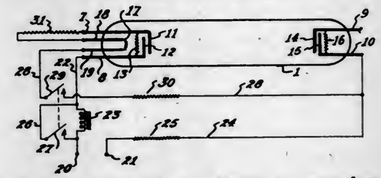
transversely at spaced intervals of its length concurrently with its travel upon the conveyor belt and in advance of the delivery of the work from the discharge end of the belt.

2,345,638

ENCLOSED ARC DEVICE AND CONTROLLING MEANS FOR SERVICE AT VARYING INTENSITIES

George S. Sperti, Covington, Ky., assignor to The Institutum Divi Thomae Foundation, Cincinnati, Ohio, a corporation of Ohio

Application May 3, 1941, Serial No. 391,680
6 Claims. (Cl. 315—99)



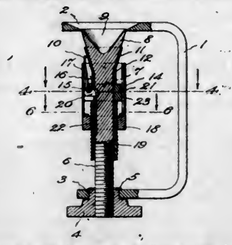
1. In an enclosed arc lamp an envelope, an electrode assembly in said envelope comprising a pair of leads passing through a press in said envelope with their ends juxtaposed to form electrodes, said leads being connected by a filament coated with electron-emissive substance, a second filament in said envelope also coated with electron-emissive substance in juxtaposition to said first filament, a separate pair of leads passing through said press for applying power to said second filament, and at least one other electrode acting as a main arc electrode in said envelope.

2,345,639

SURGICAL INSTRUMENT

James J. Tibone, Oceanside, and Otto Stoye, Rockville Centre, N. Y.

Application August 6, 1941, Serial No. 405,588
15 Claims. (Cl. 128—346)



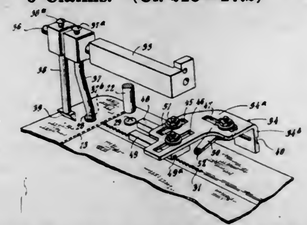
3. A surgical instrument for use in operations involving the severance of tissue, which comprises a frame having an opening therein, a mounting member for the tissue to be severed extending through said opening and adapted to cooperate therewith to produce hemostatis at the line of severance, and a holder mounted on said mounting member and adapted to cooperate therewith to maintain the tissue to be severed on the mounting member, said holder including a sleeve slidably mounted about said mounting member to reciprocate thereon, a plurality of jaws hinged to said sleeve to cooperate with the surface thereof to grip the tissue to be severed, springs urging said jaws to swing away from the surface of said sleeve, a second sleeve mounted about said jaw-carrying sleeve to reciprocate thereon adapted to embrace said jaws to swing the same toward the gripping position against the effort of the springs, and means to lock said second sleeve against movement when the jaws are in gripping position.

2,345,640

GAUGING DEVICE FOR SETTING SNAP FASTENERS

Jacob P. Treciokas, Oakville, Conn., and Edward H. MacCoul, Oak Park, Ill., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application September 12, 1941, Serial No. 410,532
6 Claims. (Cl. 218—17.2)



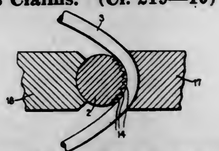
1. A gauging means for a snap fastener setting machine for locating a point on a garment relative to a slide fastener carried thereby, at which point a snap fastener element is to be applied, said gauging means comprising a part carried by the machine having an inverted channel therein along which the teeth of the slide fastener can be guided, one end of said part being provided with an abutment for cooperation with a projection on the garment.

2,345,641

GRID CONSTRUCTION

Victor H. Van Sant, Westfield, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

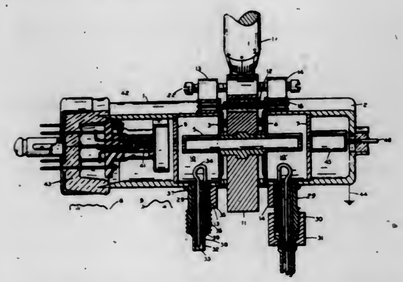
Application April 7, 1942, Serial No. 437,994
3 Claims. (Cl. 219—10)



1. A method of forming a grid electrode structure for an electron discharge device, said structure including a grid wire and a support wire of substantially greater diameter than the grid wire, which comprises forming on a face of the support wire a plurality of laterally aligned projections, pressing the grid wire against said projections by means of opposed electrodes with the grid wire extending transversely to the support wire and in contact only with said projections on the support wire; passing between the electrodes a welding current passing between said

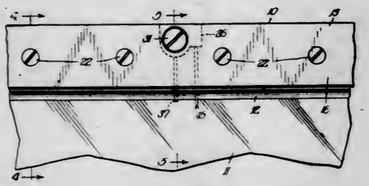
support and grid wires and through said projections, sufficient to produce initial softening of the projections; pressing the grid wire into the softened projections to form a depressed grid wire seat; and terminating the welding operation before the outer portion of he grid wire in the zone of current passage is deformed.

2,345,642
HIGH FREQUENCY TUBE STRUCTURE
Sigurd F. Varian and Russell H. Varian, West Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 24, 1941, Serial No. 390,044
26 Claims. (Cl. 250—27.5)



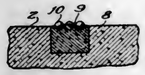
1. A high frequency tube structure comprising a pair of hollow resonators having relatively movable flexible walls, and tuning means for producing relative motion between said flexible walls to effect the tuning of said resonators, said tuning means comprising a longitudinally adjustable tapered rod and a thrust member engaging said rod and one of said resonators.

2,345,643
BREATHER FOR MULTIPLE GLASS SASH
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application August 1, 1941, Serial No. 405,053
8 Claims. (Cl. 20—56.5)



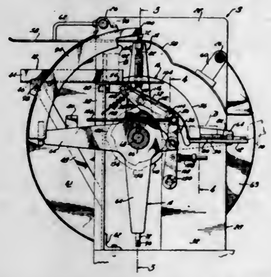
1. In a multiple glass sash, a metal rail, a rubber glazing strip mounted in the rail, two or more panes of glass mounted in the glazing strip, with an air pocket therebetween, said rail being provided at one point in its outer edge with a recess in which the back of the glazing strip is exposed, and a separate self-contained breather unit positioned in the recess, within the contour of the rail, said unit being provided with two fine needle-like tubes which upon insertion of the unit in the recess penetrate the glazing strip both inside and outside of the air pocket between the panes, whereby to effect through the tubes a venting of the air pocket to the atmosphere.

2,345,644
LIGHT REFLECTING SIGN OR MARKER
Jacob Weber, Chicago, Ill., assignor to Cast Stone Institute, Washington, D. C., an unincorporated association
Application April 1, 1942, Serial No. 437,221
12 Claims. (Cl. 88—82)



1. A light-reflecting device consisting of a body member of white Portland cement and large balls of glass permeable by light embedded in the cement, in widely spaced relation to each other, to a depth somewhat greater than one half of their respective diameters.

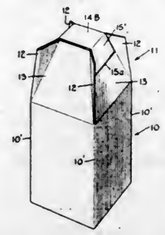
2,345,645
STACKING APPARATUS
Arthur M. Wickwire, Jr., Mountain Lakes, and Arthur P. Bamford, Milburn, N. J., assignors, by mesne assignments, to The Fred Goat Co., Inc., Brooklyn, N. Y., a corporation of New York
Application July 31, 1940, Serial No. 348,654
7 Claims. (Cl. 214—7)



1. Apparatus for arranging a plurality of open boxes and the like in horizontal nested stacks as they are ejected from a forming machine one by one in a substantially horizontal position with the open side of each box facing upwardly, comprising means for engaging the edges of one side of a box and moving said box from its horizontal ejected position to a vertical position with the open side facing forward in the direction of movement of said box; and means for disengaging the moving means from one side of the box while continuing the movement of the other side so that the box will come to rest in an angular position.

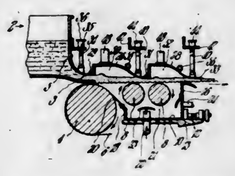
2,345,646
BOX, CARTON, OR SIMILAR DEVICE
Marshall I. Williamson, New York, N. Y.
Application July 13, 1940, Serial No. 345,327
8 Claims. (Cl. 229—38)

1. A folding box comprising lateral wall panels forming a box body; panel extensions from the ends of said lateral wall panels at one end of said box body, said panel extensions being joined laterally to form an extension of said box body; fold lines extending longitudinally of said panel extensions and arranged angularly relative to one another, said fold lines rendering said extension of the box body capable of being converged to a substantially truncated formation which has outwardly extending fins disposed at corners thereof between mutually adjacent extension wall panels and which defines an end opening; closure means adapted to cover said end opening, and including panel means adapted to extend between mutually adjacent fins in substantially face-to-face relationship with a limited portion of at least one of said extension wall panels, and tuck-



in tongue means extending from said panel means; and receiving slit means disposed in the said at least one of said extension wall panels and adapted to engage said tongue means for securing said closure means in its closed position and for retaining said extension of the box body in truncated form.

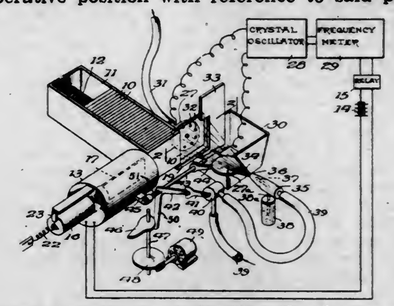
2,345,647
PAPERMAKING MACHINE
George S. Witham, Hudson Falls, N. Y.
Application October 2, 1940, Serial No. 359,372
4 Claims. (Cl. 92—44)



1. The combination of the flow box, adjacent breast roll, the Fourdrinier wire, and the table rolls of a paper machine with pressure-applying means comprising, a casing below and co-operating with said wire to form a lower chamber enclosing said table rolls, said casing including a rear wall which is relatively flexible and normally disposed closely adjacent said breast roll, means for admitting air under pressure into said chamber, a sealing plate above and co-operating with said wire to form an upper chamber, said sealing plate being pivoted relative to said flow box so as to be movable relative to the wire and being provided with a forward lip part, means for adjusting said lip part relative to the wire, and means for admitting air under pressure to said upper chamber.

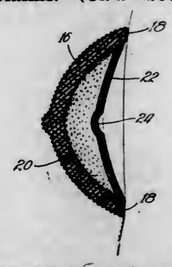
2,345,648
PIEZOELECTRIC CRYSTAL APPARATUS
John M. Wolfskill, Erie, Pa., assignor to Billey Electric Company, Erie, Pa., a corporation of Pennsylvania
Application April 28, 1941, Serial No. 390,829
13 Claims. (Cl. 51—8)

1. Apparatus for adjusting the frequency of oscillation of a piezo-electric crystal, comprising: a sandblast, means for supporting a piezo-electric crystal in said sandblast, and an electric circuit comprising an oscillator and a frequency meter and electrodes, and means for intermittently moving said electrodes into and out of electrical operative position with reference to said piezo-



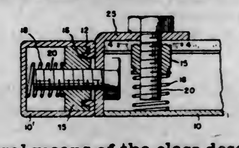
electric crystal for indicating the frequency of said crystal.

2,345,649
BRASSIERE
Charles E. Zimmerman and John F. Skold, Chicago, Ill.; said Skold assignor to said Zimmerman
Application December 4, 1939, Serial No. 307,406
2 Claims. (Cl. 2—267)



1. A woman's breast support comprising a main resilient cup-shaped body formed throughout of porous or cellular latex rubber and having its outer face shaped to simulate a breast, and a thin resilient diaphragm also of porous or cellular latex rubber connected marginally to and subtending the base of said body and arranged so that it is substantially flat when the support is not in use, said diaphragm being of such thinness and character that it is adapted to flex into the interior of the body when in use, to the extent necessary to receive the actual breast of the wearer and also to press but gently against it, the cavity in said body being large enough to leave an air space between said diaphragm and body when said support is in use.

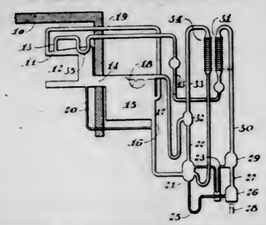
2,345,650
SKELETONIZED STRUCTURE
Charles W. Attwood, Wayne, Mich.
Application October 12, 1940, Serial No. 360,868
2 Claims. (Cl. 189—36)



1. Structural means of the class described comprising in combination a channel sheet metal member of substantially square U-section having side webs and a connecting web and pro-

vided at the open side of the channel with inwardly extending flanges having inturned portions forming longitudinal ribs each beveled at their edge portion to a pointed cross-section, a screw threaded element having a body portion of a length to extend under said flanges and a width less than the space between said longitudinal ribs and provided with transversely tapered slots each having inwardly converging side walls, said slots being spaced conformably to the spacing of said ribs when the latter are accurately spaced and adapted, when the screw threaded element is carried into engagement with said ribs, to draw the latter into their accurately spaced positions with the inclined side walls of the slot in engagement with the ribs, and a cooperating screw threaded means inter-engageable with said screw threaded element.

2,345,651
MEANS FOR REFRIGERATION
Francis R. Bichowsky, Detroit, Mich.
Application June 28, 1941, Serial No. 400,242
1 Claim. (Cl. 62—119)



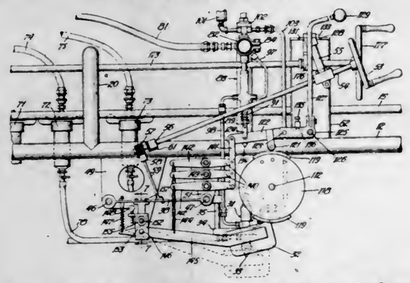
In a vacuum absorption system comprising an evaporator for the refrigerant, an absorber communicating therewith for dissolving refrigerant vapor in a liquid absorbent medium, a regenerator in communication with said absorber wherein the absorbent is freed of said dissolved refrigerant, a heater for the regenerator, and a condenser for refrigerant vapors in communication with the regenerator and the evaporator: means for returning the absorbent from the regenerator to the absorber comprising a booster circuit coincidental in part with an absorbent return line to the absorber, the portion of said booster circuit which is coincidental with the regenerator-absorber line constituting a contact zone wherein absorbent liquid and a condensible booster fluid insoluble therein are contacted, means for separating liquid absorbent from the booster fluid at a higher level than the contact chamber, means for returning the separated absorbent to the absorber, and means for condensing booster fluid outside the contact zone and returning it thereto.

2,345,652
CAR CONSTRUCTION
William A. Bierman, Pittsburgh, and Sigvard Simonson, Butler, Pa., assignors to O. C. Duryea Corporation, Wilmington, Del., a corporation of Delaware
Application June 30, 1941, Serial No. 400,466
10 Claims. (Cl. 213—8)



1. In a railway car, the combination with the car body and bolsters of a draft and buffing column extending substantially the length of the car body and longitudinally movable relative thereto, couplers mounted at the ends of said column for movement of limited extent relative thereto, cushioning means at each end of the car, means operative on inward movement of one of said couplers relative to said column and on further inward movement of said coupler and column together for actuating the cushioning means adjacent to said one coupler, means for actuating the other of said cushioning means after said column has moved outwardly relative thereto by a predetermined amount, additional cushioning means, and means for actuating said additional cushioning means on movement of said column in either direction, said last-named means becoming operative after said column has moved through a distance greater than said predetermined amount.

2,345,653
ROAD MARKING DEVICE
Paul Blumberg, New Holstein, Wis., assignor to Meili-Blumberg Corporation, New Holstein, Wis., a corporation of Wisconsin
Application August 10, 1940, Serial No. 352,084
5 Claims. (Cl. 91—12)

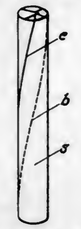


4. In a highway marking vehicle including a frame and a plurality of wheels, an applicator carriage mounted for hand-controlled transverse shifting movement with respect to said vehicle while the vehicle is in motion, hand-controlled means for shifting the carriage, a plurality of paint applicators mounted on said carriage, each of which consists of a pneumatic spray-gun, a paint supply for said spray-gun, an air supply for said spray-gun and a pair of side shields adapted to contact the road surface and limit the spread of the spray, an air control valve for each of said spray-guns, a cam shaft and cams to control each of said air valves, manual means to render any of said cam control devices inoperative and to provide independent manual control for each of said air valves, and means responsive to the movement of the vehicle to control the movement of said cam shaft and interrupt the action of said paint applicators at predetermined and measured intervals.

2,345,654
EXPLOSIVE CARTRIDGE
Charles H. Bowman, La Grange, Ill., assignor to Trojan Powder Company, Allentown, Pa.
Application June 6, 1938, Serial No. 211,978
11 Claims. (Cl. 102—24)

1. An elongated cartridge suitable for mining use comprising a deformable charge of high explosive including hygroscopic material which should be protected against absorbing moisture through the walls of the cartridge, a container of water-resistant sheet material approximately of the strength of the kraft or manila paper

ordinarily used for this purpose, said container having therein an elongated line of structural weakness extending generally in the direction of its length, and means for protecting the hygroscopic material against absorption of moisture through said line of weakness, whereby when

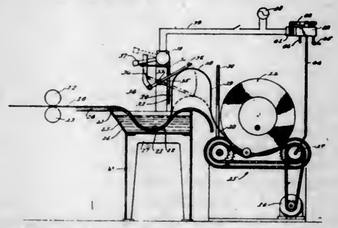


the cartridge is placed in a bore hole the container may be ruptured along such line of weakness by slight pressure from a tamping stick so that the deformable charge in passing in part thru the rupture will shorten in length and expand in width to fill the hole, minimizing the formation of air cushions.

2,345,655
PROCESS FOR PRODUCING MAGNESIUM SULPHATE FROM MAGNESIUM-BEARING ROCKS
Hellmuth R. Brandenburg, Cowell, Calif., assignor to Idaho Maryland Mines Corporation, San Francisco, Calif., a corporation of Nevada
No Drawing. Application March 23, 1940, Serial No. 325,642
5 Claims. (Cl. 23—128)

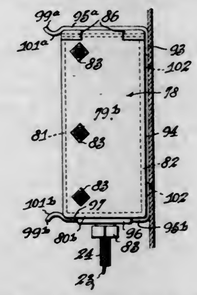
1. A process for making magnesium sulphate which comprises calcining a magnesia-bearing mineral in an atmosphere containing oxides of sulphur, thereby converting magnesia in the mineral to magnesium sulphate, limiting the amount of oxides of sulphur supplied in the heating to an amount which leaves a portion of free magnesia in the calcined product, and dissolving magnesium sulphate from the calcined product with water.

2,345,656
METHOD OF AND APPARATUS FOR DELIVERING SHEET MATERIAL TO PRESSES OR THE LIKE
Amos Calleson and Edgar A. Calleson, Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application February 4, 1941, Serial No. 377,370
17 Claims. (Cl. 117—66)



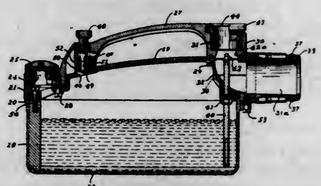
17. The method of delivering strip steel to a high speed drawing press or the like which comprises forcefully unwinding strip from the outer periphery of a coil, guiding the strip moving under the influence of said unwinding force through an upwardly projecting loop which is unconfined and unsupported at its upper end, guiding the strip from said loop directly through an oil bath in a downwardly projecting, confined and supported loop, whereby the weight of the strip in the first-mentioned loop subjects the strip in the second loop and therebeyond to an advancing force and whereby the strip is lubricated and the movement of the strip over the support in the downwardly projecting loop is facilitated by the oil bath, and guiding the strip under the influence of said force to said feed rolls.

2,345,657
AUTOMOBILE RECORDER
Joseph F. Carloni, Harrisburg, Pa.
Application December 31, 1941, Serial No. 425,220
1 Claim. (Cl. 234—1)



In combination with an auto frame, a casing, a recording apparatus within said casing, said recording apparatus recording the driving characteristics of the automobile, and fastening means to secure said casing to the automobile, said fastening means including a resilient element on the exterior of the auto frame which supports said casing under driving conditions but which is effective to release the casing under severe jolts of collision order.

2,345,658
HUMIDIFIER
Ferman C. Doughman, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application August 12, 1941, Serial No. 406,505
3 Claims. (Cl. 261—72)



3. A humidifying attachment for vacuum cleaners for use in transforming water to water vapor and discharging the same into the atmosphere and adapted to receive a flow of air heated or otherwise from the vacuum cleaner for discharging the water into the atmosphere, said attachment comprising a container for water designed with the cleaner to be supported in a substantially horizontal position on a common substantially horizontal surface, and air tube supported by the container, the end of said air tube being constructed to be coupled with the cleaner while the container is maintained in substantially horizontal position and without rota-

tion of either the container or the cleaner but merely by the moving toward each other and together on said surface the container and the cleaner so that when coupled the flow of air produced by the cleaner will be caused to pass through said air tube, means for introducing water from the container into the air tube so that the flow of air around the place of introduction of the water into the air tube will produce atomization of the water and cause the water vapor to be discharged into the atmosphere from the discharge end of the air tube and means for subdividing the water as it passes from the discharge end of the air tube and means for controlling both the pressure above the liquid in the container and the ejection of liquid from the container.

2,345,659
PROCESS FOR POLYMERIZING VINYL CHLORIDE
Alfred W. Downes, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application February 15, 1941, Serial No. 379,041
6 Claims. (Cl. 260—88)

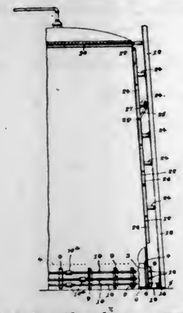
1. Process for producing a vinyl resin at a rate of polymerization in excess of 1.6% vinyl monomer polymerized per hour which comprises polymerizing vinyl chloride while maintaining mixed therewith an effective catalytic amount of hydrogen peroxide less than about 0.07% by weight of the total vinyl chloride.

2,345,660
METHOD FOR POLYMERIZING VINYL COMPOUNDS
Alfred W. Downes, South Charleston, and John R. Kernan, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application February 15, 1941, Serial No. 379,042
6 Claims. (Cl. 260—86)

1. Process of producing a conjoint polymer of vinyl chloride and vinyl acetate containing a predominant amount of vinyl chloride at a rate of polymerization in excess of about 2.76% monomers polymerized per hour which comprises conjointly polymerizing vinyl chloride and vinyl acetate at a temperature between about 30° C. and about 80° C. in a mixture in which is maintained a concentration of hydrogen peroxide of the order of about 0.0125 to 0.05% by weight of the mixture.

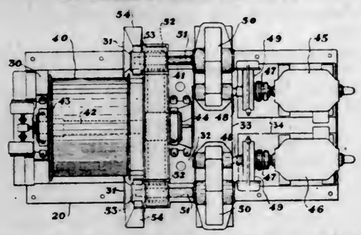
2,345,661
WATER-COOLED LEAD CHAMBER
Andrew Miller Fairlie, Atlanta, Ga.
Application August 30, 1940, Serial No. 354,789
11 Claims. (Cl. 23—284)

1. In an apparatus for the manufacture of sulfuric acid, the combination of a lead chamber having the shape of the frustum of a pyramid, a supporting framework therefor including a base angle ring, a chamber-pan at the bottom of such chamber comprising a lead floor and upstanding lead walls united to said floor, means for applying cooling water to the outside of such chamber including the outside of the upstanding walls of such chamber-pan, and a trough at the bottom of such chamber-pan, external to and surrounding the same, for collecting such cooling water, a large part of the inner wall of said trough being said upstanding lead wall of said chamber-pan, and the outer wall of said trough



being supported by the base angle ring of said chamber framework.

2,345,662
SKIP HOIST
Gordon Fox, Olaf C. Callow, and Charles G. Bigelow, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application February 23, 1942, Serial No. 432,060
10 Claims. (Cl. 254—186)

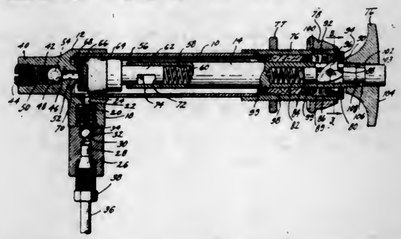


4. In a skip hoist, in combination, a rectangular bed plate including a pair of parallel members each having a vertically disposed supporting portion, cross members connecting said members, bearing pedestals carried by said cross members, drum means and a gear carried by said bearing pedestals, said drum means and said gear being secured together, a pair of pinions meshing with said gear, intermediate speed shafts for said pinions, a pair of electric motors, and independent drive means connecting each of said motors with a corresponding one of said pinions, each of said drive means including speed reducing means connected to said intermediate speed shaft and to its corresponding motor, said intermediate speed shafts and said pinions being supported by and being disposed directly above and in substantially symmetrical relationship with the vertically disposed supporting portions of said side members, each of said drive means including a coupling between its corresponding motor and its corresponding speed reducing means, each of said drive means being provided with a brake located on that side of said coupling adjacent to its corresponding speed reducing means.

2,345,663
PRIMER
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1941, Serial No. 424,261
5 Claims. (Cl. 103—154)

1. In a primer having a body, a substantially cylindrical chamber therein, inlet and outlet ports leading respectively into and out of said chamber

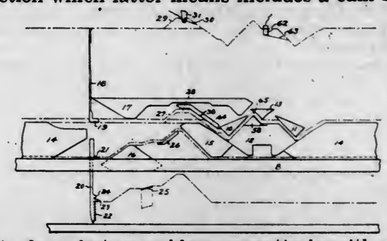
and a valve seat at the outlet port, the combination of one part comprising a plunger reciprocably slidable in said chamber, a recess in the inside end of the plunger, another part comprising a plug slidably positioned in the recess and a valve carried by the plug adapted to be moved against the valve seat, one of said parts having a slot therein and the other of said parts having a pin mounted thereon and passing through the slot for limiting movement of the plug relative to the plunger, and a coiled spring in the bottom of the recess normally extending the plug relative to the plunger, said plunger at the other end thereof having an axial pocket and an axially extending slot in the plunger wall adjacent the pocket, a spring pressed piston slidably mounted in the pocket normally urged in an outward direction, a cam element in the pocket having a pivoted mounting eccentric relative to the plunger axis and having a cam face engaging said piston and a finger thereon forming a detent normally extending outwardly through said slot, a nut surrounding the plunger substantially closing the outer end of the chamber and having an annular recess forming a shoulder on the outer side thereof normally engaging said finger to lock the



plunger within the chamber in valve closing position and a sloping surface on the inside thereof adapted to engage the rear side of said finger and to urge said finger into the slot when the plunger is moved inwardly of the chamber, a knob secured to the outer end of the plunger having a central passage, and a button extending through the passage having one end inside said pocket engaging a portion of the cam element on the side of the pivoted mounting opposite from the finger, a relatively wide annular recess between the ends of the button and a relatively narrow anchoring element on the plunger engaged therein providing a limited sliding fit for the button, said button having an outside end normally extending beyond the outer surface of the knob adapted to be depressed against spring pressure to release the finger from normal plunger locking position to allow manual pumping movement of the plunger, said cam element being adapted to automatically lock said plunger in valve closing position when the plunger is pushed inwardly sufficient to permit engagement of said finger and said shoulder.

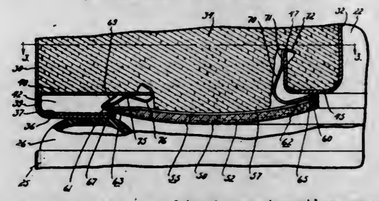
2,345,664
KNITTING MACHINE AND METHOD
Oscar Fregeolle, Central Falls, and Isaac H. C. Green, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application September 19, 1942, Serial No. 458,972
9 Claims. (Cl. 66—42)

4. A circular, independent needle knitting machine having in combination knitting instrumentalities and means at one point for causing said instrumentalities to perform a knitting function and means for causing said instrumentalities to perform a second and distinct knitting function which latter means includes a cam sep-



arate from but operable cooperatively with part of the first mentioned means.

2,345,665
REFRIGERATING APPARATUS
Martin J. Goulooze, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application October 11, 1941, Serial No. 414,553
3 Claims. (Cl. 220—9)



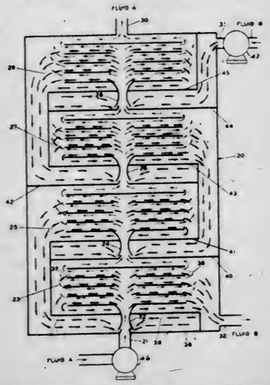
1. A refrigerator cabinet construction comprising an inner casing having a flange and an outer casing having a flange, said casings being arranged in spaced apart relationship, a resilient member bridging the space between said flanges with one end thereof clampingly engaging one of said flanges and the opposite end thereof clampingly engaging the other flange, a breaker strip extending between said casings with one side thereof engaging one side of said resilient member and a relatively thin covering member extending across the front of said breaker strip with the terminating edges of said covering member extending beyond the edges of said breaker strip and bent rearwardly and extending over the outer end portions of said resilient member to lock said breaker strip to said resilient member.

2,345,666
STOCKING TOP AND METHOD OF KNITTING
Isaac H. C. Green, Central Falls, and Eugene St. Pierre, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 14, 1938, Serial No. 190,516
4 Claims. (Cl. 66—41)



1. A method of knitting the beginning edge of a stocking including the steps of feeding a rubber yarn to the hooks of alternate needles for one course, feeding said yarn below the latches of alternate needles for the next following course and a plain yarn to all the needles during that course, and thereafter feeding a plain yarn to all the needles and casting off the rubber and plain yarn taken in previous courses.

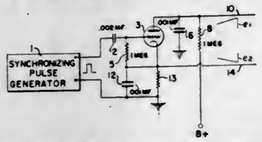
2,345,667
CONTACTING APPARATUS
Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 18, 1942, Serial No. 443,539
2 Claims. (Cl. 261—21)



1. Apparatus for effecting countercurrent contacting of two incompletely miscible fluids in a series of successive independent zones which comprises a hollow shell disposed vertically, a plurality of pairs of spaced horizontally disposed partitions in said shell arranged at intervals and forming therebetween a plurality of enclosed contacting and separating zones one above the other in said shell, a vertically disposed venturi associated with each of said pairs of partitions with the suction inlet communicating with the space between said partitions and arranged so that operating fluid separated in each intermediate zone is discharged as the operating fluid through the next venturi into the next zone and as it is so discharged withdraws the other fluid from said space between said partitions into intimate admixture with said operating fluid, the resulting mixture discharging into and separating in the succeeding zone, a partition adjacent one end of said shell, a first venturi vertically arranged and discharging through said end of said shell and said last-named partition into the zone adjacent said end and having its suction inlet communicating with the space between said end and said last-named partition, means for supplying fresh operating fluid from outside said shell to said first venturi, conduit means located wholly within said shell for conveying the other fluid separated in a succeeding zone to the suction inlet of a venturi discharging into a preceding zone, conduit means for drawing off from the shell and from the first zone the other fluid separated therein, conduit means for drawing off from the shell and from the final zone the operating fluid separated therein, and means for supplying fresh said other fluid from outside said shell to space between the final pair of partitions.

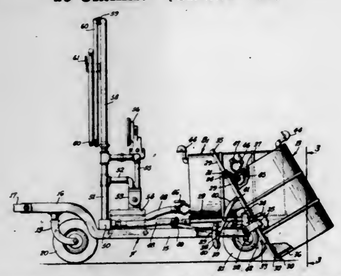
2,345,668
IMPULSE GENERATOR
Clyde E. Hallmark, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation a corporation of Delaware
Application March 14, 1942, Serial No. 434,760
4 Claims. (Cl. 250—27)

1. A circuit for producing equal and opposite saw-tooth voltages comprising a thermionic discharge tube, a time-constant circuit including resistance and capacitance elements connected to the anode circuit of said discharge tube, a second time-constant circuit including resistance and capacitance elements having the same constants as the said first time-constant circuit and connected in the cathode circuit of said discharge tube, a source of synchronizing impulses connected to the control electrode of said tube for periodically rendering it conductive and means for



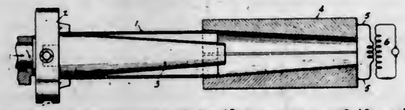
energizing the anode and cathode circuit of said tube whereby when said tube is conductive the capacitance element in said first time-constant circuit is discharged to form a saw-tooth voltage and the capacitance element in said second time-constant circuit is simultaneously charged to form a second saw-tooth voltage equal and opposite to the first saw-tooth voltage.

2,345,669
APPARATUS FOR LOADING AND TRANSPORTING BARRELS AND DISPENSING LIQUIDS THEREFROM
Gerald J. Harman and Herbert C. Kleppe, Los Angeles, Calif.; said Kleppe assignor to said Harman
Application June 9, 1942, Serial No. 446,402
19 Claims. (Cl. 214—77)



1. In combination; a wheeled vehicle having a frame; a barrel support having barrel clamping means thereon; means for mounting said support for movement on said frame to occupy a barrel loading position and a barrel carrying position; and mechanism for moving said support to either of said positions and for locking at least one wheel of said vehicle against movement during the barrel loading operation.

2,345,670
ELECTRICALLY FORMING TUBULAR SHAPES
William C. Heath, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application November 30, 1942, Serial No. 467,345
7 Claims. (Cl. 219—3)



2. The improvement in the process of the class described which comprises rotating and feeding an internal supporting mandrel with the blank into the tubular electrode dies.

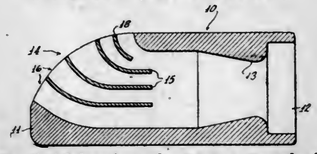
7. In apparatus of the class described, a die providing a circular cavity confined externally and internally for receiving the end of a rotating tubular blank to form the same, one of the confining surfaces constituting a plurality of electrode die segments spaced circumferentially to supply heating current to the blank during forming, and the other confining surface of the die being disposed to rotate and advance with the blank to thereby support the same against forming pressures.

2,345,671
ELECTRICAL CONNECTOR
William B. Heffner, Hillside, N. J., and Walter Willenbruch, Lynbrook, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1942. Serial No. 440,334
5 Claims. (Cl. 173—269)



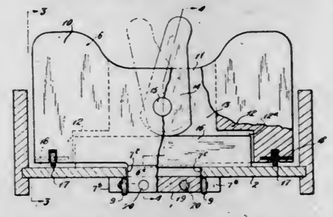
2. A connector for forming electrical connection with a terminal of the flat surface type having an aperture therein, the connector comprising a body having a handle portion, a laterally projecting portion disposed at one end of the handle portion, a head portion for movement through the aperture by lateral movement of the handle portion from a given side of the terminal to the opposing side thereof and formed integral with the lateral projecting portion at an off-center portion of the head for movement into engagement with the said opposing side by longitudinal movement of the said handle portion, and an element carried by the body adapted to hold the head portion firmly against the said opposing side.

2,345,672
FLUID HEATER CLEANER
Curtis L. Howse, Birmingham, and William Joseph Fitzburgh, Detroit, Mich., assignors to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application May 9, 1941, Serial No. 392,706
2 Claims. (Cl. 15—104.055)



2. In a fluid heater cleaner, a nozzle body for discharging cleaning fluid against areas at varying distances from said body, said body being hollow and having a plurality of vanes dividing the outlet end thereof into a plurality of orifices, said vanes being curved along their length and adapted to emit a series of jets of cleaning fluid onto one of said areas, the inlet area of each of said orifices being directly proportional to the distance through which said jet travels from the outlet end of said nozzle body to its area.

2,345,673
RECORD FILING APPARATUS
Henry S. Johns, Cleveland Heights, Ohio
Application September 23, 1942, Serial No. 459,351
10 Claims. (Cl. 129—29)

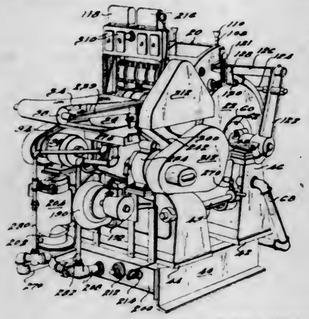


1. In a filing apparatus comprising a drawer having sides and a bottom provided with a slot extending longitudinally of the same and intermediately of the sides thereof, a compressor comprising a base having an upper portion adapted to be received between and form a slidable connection with the portions of the bottom defining the sides of the slot and also having lateral extensions projecting beneath and underlying the lower surfaces of the portions of the bottom extending laterally from the said slot, the amount of such projection being sufficient to prevent the formation of grooves through the frictional engagement between such extensions and the portions of the bottom engaged thereby, said compressor comprising also a presser element having the central portion of the bottom thereof rigidly connected to the said base and adapted to extend transversely of the drawer between the sides and above the bottom thereof, and means for securing the said compressor in various positions to which it may be adjusted along the bottom of the drawer, the said means including a cam pivotally secured to the presser element for movement in a plane extending transversely of the drawer.

2,345,674
METHOD OF FORMING GELATIN SHEETS
Alfred W. Kath, Detroit, Mich., assignor to Arthur Colton Company, Detroit, Mich., a corporation of Michigan
Original application December 30, 1938, Serial No. 248,482. Divided and this application April 10, 1942, Serial No. 438,361
4 Claims. (Cl. 18—57)

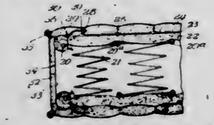
2. In the manufacture of gelatin or the like sheets by feeding a mass of heated gelatin in strip-like form upon the surface of a movable member, the steps of cooling the exposed face of said strip while on said member by flowing air at a lower temperature than said gelatin thereover and maintaining the opposite face therof at an elevated temperature whereby to harden said exposed face and maintain said opposite face in tacky condition, stripping said strip from said member, partially severing said strip at predetermined intervals in the length thereof to form connected sheets, and placing said strip under longitudinal stress after said

partial severance whereby to stretch the unsevered portions between said sheets and sepa-



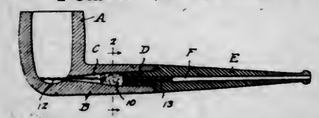
rate said sheets transversely of the lines of partial severance between them.

2,345,675
MANUFACTURE OF MATTRESSES
Harold Kibitz, Oak Park, Ill., assignor to J. W. Droll Company, Chicago, Ill., a corporation of Delaware
Application December 15, 1941, Serial No. 422,998
2 Claims. (Cl. 5—351)



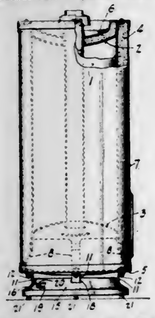
2. A mattress comprising, a central spring-structure including a border-member; a filling over the spring-structure having its margins folded around the border-member; a quilted pad over the filling comprising an inner liner, an outer ticking sheet and padding all stitched together separately from the filling; a strip having its inner margin interlaid in the padding of, and secured only to, the pad, the underlying portion of the padding extending over the filling above the border-member and being folded around and under the filling around the border-member; staples inwardly of the border-member extending through only the strip above and below the border-member, the underlying portion of the padding, and the filling, the staples securing the strip to hold the pad taut over the filling; and a box-border secured to the ticking sheet of the pad, the portion of the padding overlying the strip being confined against the strip by the connection between the pad and the box-border.

2,345,676
SMOKE FILTER FOR TOBACCO PIPES
Samuel Klugherz, Poughkeepsie, N. Y.
Application August 11, 1942, Serial No. 454,354
1 Claim. (Cl. 131—202)



The combination with a tobacco pipe including a bowl having a stem portion formed with a smoke passage extending therethrough and communicating at its forward end with the interior of the bowl and having an enlarged rear end and a bit having a longitudinal smoke passage telescopically fitted at its forward end into the enlarged rear end of the smoke passage of the pipe stem, of a smoke filter including a relatively rigid strip of smaller cross-sectional size than the smoke passages of the stem and bit and a filter element composed of an absorbent flocculent fibrous material secured to and surrounding the medial portion of the strip to provide oppositely projecting terminals constituting means for handling the filter so as to emplace the filter element wholly within the enlarged rear end of the smoke passage of the stem and for removing the same therefrom, the forwardly projecting terminal of the strip extending through the smoke passage of the stem and engaging the wall of the bowl at a location opposite the smoke passage to space the filter element from the restricted forward end of the stem smoke passage and locating said filter element in abutting relation to the forward end of the bit with the rearwardly projecting terminal of the strip engaging in the bit smoke passage to retain the filter element centralized in the stem smoke passage.

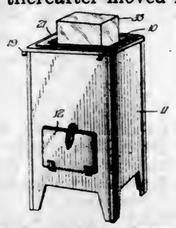
2,345,677
HEATER SUPPORT
Ernst R. Koppel, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 21, 1941, Serial No. 407,727
8 Claims. (Cl. 122—17)



7. In combination, a tank of the class described having substantially vertical leg supports, an outer casing for the tank secured at its bottom to said leg supports about midway of the heighth of the latter, and a shroud separate from said casing and encircling said leg supports below said casing to stabilize and protect the same, said shroud being curved inwardly at the top to provide a substantial air space between it and the bottom of the casing for supplying air to a burner beneath the tank.

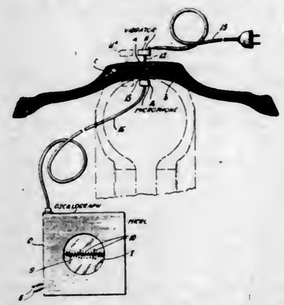
2,345,678
ICE-CUBING DEVICE
Harry H. Lamar, Chicago, Ill.
Application September 27, 1941, Serial No. 412,659
11 Claims. (Cl. 62—112)

1. An ice cubing device comprising a grid containing a large number of openings having the shape of the cubes to be formed, which grid is adapted to have a cake of ice placed against the same, means for heating the grid, and means beyond the grid in spaced relation to the same for arresting movement of the cake after the grid has penetrated part way through the latter, the portions of the grid surrounding each opening therein acting simultaneously to produce all of the side faces of the cube being formed within such opening, said arresting means permitting the cake to be thereafter moved in the direction



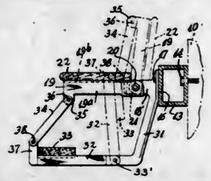
of the plane of the grid to disconnect the cubes from the rest of the cake.

2,345,679
METHOD OF TESTING PNEUMATIC TIRE CASINGS
Harry J. Linse, Stamford, Conn.
Application August 22, 1939, Serial No. 291,283
2 Claims. (Cl. 73—51)



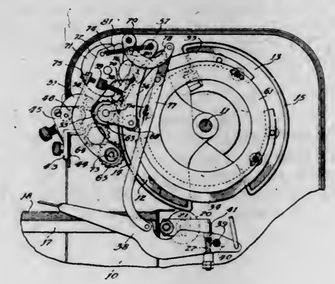
2. The method of testing a pneumatic tire casing which comprises successively spreading the casing at spaced points about its periphery, creating a uniform tapping sound on a wall of the casing at the point of spreading, and detecting vibrations transmitted through the wall to the opposite side thereof as an index of the condition of the tire.

2,345,680
STEP CONSTRUCTION FOR EMBROIDERY MACHINES
Anthony Majorie, Fort Lee, N. J.
Application August 1, 1942, Serial No. 453,157
1 Claim. (Cl. 228—47)



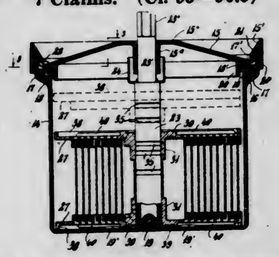
A step construction for an embroidery machine, comprising a bracket fixedly mounted on the side of said machine and having a forwardly projecting vertical lug, a top arm pivotally mounted on said lug to move in vertical planes forwards and rearwards of said machine, a step mounted on said arm, means for limiting pivoting of said arm from a horizontal position on one side of the pivot of said arm upwards to a rearwardly inclined position in which the center of gravity of said arm and step will be on the other side of the pivot of said arm, a downwardly and forwardly extending projection formed on said bracket, a bottom arm pivotally mounted on said projection to move in a vertical plane forwards and rearwards of said machine, a bottom stem mounted on said bottom arm, a rearwardly inclined link having its ends pivotally connected to the outer extremities of said arms, said pivot of said bottom arm being forwards of the pivot of said top arm and the combined length of the distance between the pivot of said bottom arm and the pivot of the bottom end of said link plus the length of said link is greater than the combined length of the distance between the pivots of said arms plus the distance between the pivot of said top arm and the pivot of the top end of said link, so that when said top arm is raised to its rearwardly inclined position said bottom arm will be raised to a substantially vertical position over its respective pivot so that the weight of said bottom arm and bottom step will exert itself substantially vertically downwards so that the greater portion of the weight will be supported by the pivot of said bottom arm.

2,345,681
INKING MECHANISM FOR DUPLICATING MACHINES
Morris P. Neal, Quincy, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Original application April 7, 1939, Serial No. 266,518. Divided and this application October 25, 1941, Serial No. 416,544
10 Claims. (Cl. 101—145)



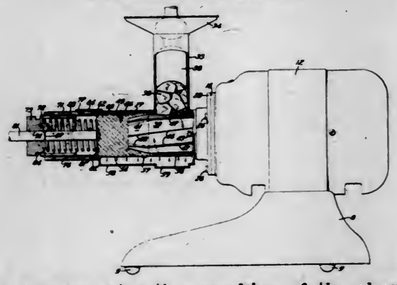
1. In a duplicating machine, the combination of a drum rotatably mounted in position and comprising two portions of different effective diameter, means for mounting a master sheet on the face of the drum portion of greater diameter, means for rotating said drum, an ink fountain, means comprising a plurality of rollers for taking ink from said fountain and applying such ink in comparatively well cut condition on the drum portion of smaller diameter, means for holding said ink applying means out of operative engagement with the drum portion of greater diameter, a roller rotatably mounted on a movable axis so as to be movable inwardly and outwardly with respect to the drum, and means actuated in timed relation to the rotation of the drum for moving said last-named roller successively into engagement with both of said drum portions for taking ink from the portion of smaller diameter and applying it to the master sheet on the drum portion of greater diameter.

2,345,682
FILM DEVELOPING APPARATUS
Herman Neuwirth, Brooklyn, N. Y., assignor to Testrite Instrument Company, Inc., New York, N. Y., a corporation of New York
Application October 10, 1940, Serial No. 360,603
7 Claims. (Cl. 95—90.5)



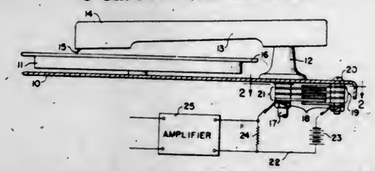
1. In a film developing device, a tank comprising a cup shaped body, and a dished cover therefor having a peripheral flange and a circular row of openings within the flange, said flange being adapted to have a slip joint connection with the body and the under surface of the cover within said flange arranged with a portion to engage and support the cover on the side wall of the body and space the surface of the under side of the cover within said flange from the end surface of the side wall of the body, and said surfaces on the under side of the cover and end of the side wall of the body arranged with complemental annular surfaces stepped downwardly and inwardly from the cover flange and end of the body toward the inner surface thereof to provide a stepped passage between said surfaces of the cover and body in communication with the body and cover openings adapted for filling liquid therethrough from the dished portion of the cover into the body and constitute a trap for light passing through the cover openings.

2,345,683
JUICE EXTRACTING MACHINE
Harry M. Owens, Oakland, Calif., assignor to Susan Jane Owens, Oakland, Calif.
Application November 7, 1941, Serial No. 418,150
2 Claims. (Cl. 100—48)



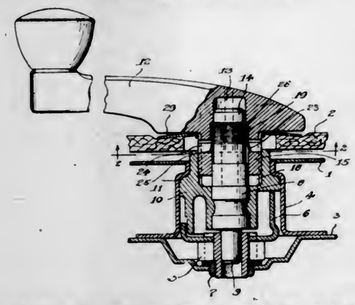
1. A juice extracting machine of the character described having in combination a housing provided with a macerating chamber having a perforated wall portion, a tubular drip chamber extending into the macerating chamber and detachably connected therewith, a tubular discharge member extending into said drip chamber and detachably connected therewith, a rotatively mounted macerating member extending into said drip chamber and having means for forcing residual pulp toward said discharge member, and means within the discharge member and movable along and in contact with said perforated wall for yieldingly resisting movement of the pulp under the pressure of said forcing means so as to apply a squeezing pressure to the pulp.

2,345,684
CONTROL MECHANISM FOR AUTOMATIC PHONOGRAPHS
Jackson Hard Pressley, Marion, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application October 9, 1941, Serial No. 414,242
5 Claims. (Cl. 192—118)



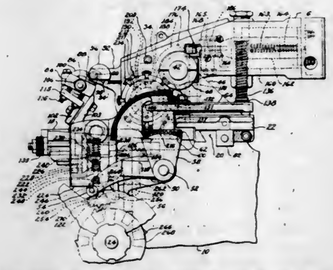
1. In an automatic phonograph including driving means and a pickup arm adapted to be moved at a first predetermined speed as it follows a playing groove of a record and to be moved at a second different speed as it follows a tripping groove of a record, the combination of a tripping mechanism for controlling the operation of said driving means; means responsive to an electric control signal for actuating said tripping mechanism; means, including a capacitance device having a fixed element and a movable element operably connected with said pickup arm to be moved thereby, for developing said control signal in response to the movement of said pickup arm at said second speed; and means for applying said control signal to said actuating means.

2,345,685
HANDLE ASSEMBLY
Lloyd R. Rhein, Pleasant Ridge, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 26, 1942, Serial No. 436,273
6 Claims. (Cl. 287—53)



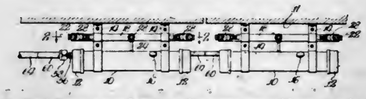
1. A handle assembly comprising a spindle, a handle having an opening adapted to receive one end of the spindle, a shoulder on the spindle, a shoulder on the handle offset from said opening in the handle and spaced longitudinally from the shoulder on the spindle, said shoulder on the handle being positioned between the shoulder on the spindle and the mouth of the opening in the handle, and a spring sleeve mounted in the opening in the handle and over the said spindle, one end of the spring sleeve having an internal diameter normally less than the outer diameter of the shoulder on said spindle whereby said end of the sleeve interengages the shoulder on the spindle and a projection on the other end of said sleeve which interengages the shoulder on the handle whereby the sleeve locks the handle on the spindle.

2,345,686
SCREW AND SIMILAR MACHINE
Charles A. Rich and William E. Twamley, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application February 10, 1941, Serial No. 378,258
29 Claims. (Cl. 29—43)



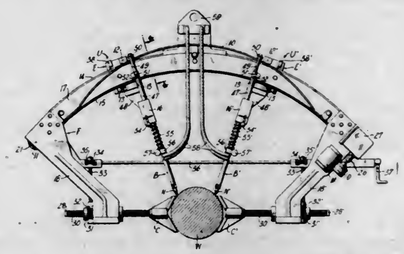
1. In an automatic screw or similar machine for fashioning articles successively from bar stock, a tool supporting and actuating mechanism arranged for effecting a series of single point turning operations upon a rotating work piece, which comprises a tool supporting turret, a tool slide shiftable axially of the work, and a turret support pivotally mounted on the slide for moving the turret transversely toward and away from the work, automatic means for actuating said slide and for indexing said turret and yielding means for feeding the turret support and turret toward the work for the performance in a continuous automatic cycle of a series of single point turning operations upon a work piece.

2,345,687
PRESSURE VAPORIZER
Hyman Richard Rich, Milwaukee, Wis., assignor to The Enoz Chemical Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1943, Serial No. 480,628
5 Claims. (Cl. 299—86)



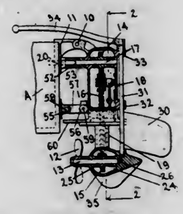
4. A fluid spray device for generating a stratum of atomized fluid comprising a primary fluid reservoir, a secondary fluid reservoir, a standpipe extending from the secondary reservoir into the primary reservoir to a point near the bottom thereof, a pipe line connected to the primary reservoir near the top side thereof for admitting gas under pressure, and a series of nozzles projecting from the secondary reservoir having the outlet orifices thereof in fixed position and spaced at different distances and directions from the standpipe, independent adjusting means in each nozzle adapted to vary the opening for the passage of fluid from the nozzle without changing the location of the respective outlet orifices whereby the quantity of fluid vapor emitted from the nozzles may be kept at a predetermined amount, location and direction irrespective of the distance between each respective nozzle and the standpipe.

2,345,688
METHOD AND APPARATUS FOR CUTTING FERROUS METAL BAR STOCK
George H. Smith, Buffalo, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Original application November 7, 1939, Serial No. 303,188. Divided and this application November 14, 1941, Serial No. 419,078
20 Claims. (Cl. 148—9)



1. A method of cutting solid metal stock which comprises heating a portion of said stock to its ignition temperature, directing a jet of oxidizing gas against said heated portion to form a kerf extending therethrough, and progressively advancing said jet through the uncut metal at the entrant portion of said kerf at a faster rate than through the uncut metal at the emergent portion thereof, the longitudinal axis of said jet moving about a point outside of the perimeter of said stock and spaced from the center of said stock in the plane of movement of said jet.

2,345,689
TRANSOM DRIVE FOR MOTORBOATS
William J. Snadecki, Newport News, Va.
Application November 18, 1942, Serial No. 466,072
3 Claims. (Cl. 115—41)



1. In a transom drive for motor boats, having a fixed motor within the boat, a drive shaft connected therewith and extending through the transom of the boat, a housed unit hinged to the transom, and in which are mounted a propeller shaft, a transmission shaft and operative driving mechanism connecting said shafts, separable connections between the motor driven shaft and the transmission shaft, in combination therewith, means for securing the housing in operative relation to the motor driven shaft, including links swivelled to the transom and having their opposite ends connected to the housing by elements adapted to release under undue strain acting in the direction of the axis of the boat, permitting the links to swing downwardly, projections from the housing adapted to engage the links in their released position as the housing swings toward normal, the engagement with the links operating to prevent reengagement of the transmission and motor driven shaft.

2,345,690
PROCESS FOR THE MANUFACTURE OF PHOSPHORIC ESTERS OF PHENOLS
Ulrich V. Solmssen, Clifton, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 17, 1941, Serial No. 383,843
8 Claims. (Cl. 260—461)

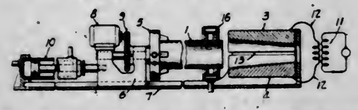
1. In the process for the manufacture of water-soluble phosphoric acid esters of mono and polyhydroxy aryl compounds of the benzene and naphthalene series, the steps comprising reacting the corresponding phenolic phosphoryl chloride with water and extracting the free phosphoric ester with a solvent selected from the class of substantially water immiscible alcohols having 4–12 carbon atoms, and recovering therefrom the phosphoric acid ester.

2,345,691
RAIL JOINT
Joseph L. Wagner, Keiser, and Henry J. Socoloskie and William A. Lustusky, Mount Carmel, Pa.
Application February 23, 1942, Serial No. 432,074
1 Claim. (Cl. 238—230)



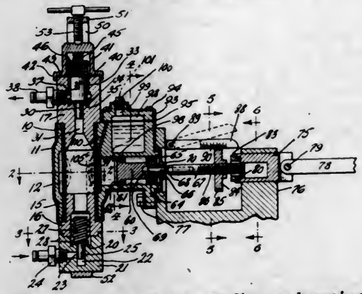
A rail joint comprising a pair of rail sections, each section including a base, a web and a head, each section being cut transversely through the head and partly into the web, the end of one section below said transverse cut extending longitudinally outwardly at an inclined angle and the other of said sections below said transverse cut extending longitudinally inwardly at an inclined angle said inclined surfaces being disposed in matching contacting relation throughout their entire areas, the web portions of the inclined sections of the rail being of uniform increased thickness to provide relatively broad contacting surfaces and bolts extending vertically through the inclined section of the rail for connecting the same in overlapping relation, the upper ends of the bolts being countersunk in the heads flush with the surface of the heads and the lower ends of the bolts projecting below the base and having nuts threaded thereon.

2,345,692
ELECTRICALLY FORMING TUBES
Sven Westin, West Allis, and Axel Westin, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 8, 1943, Serial No. 471,750
5 Claims. (Cl. 219—3)



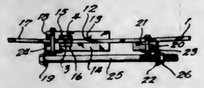
1. In the manufacture of a tapered tubular member with external longitudinal ribs thereon, heating a tapered blank, and axially forcing the same into a tapered die cavity having longitudinal slots therein for receiving the upset walls of the blank to form the ribs while passing heating current through the member between separate sections of the die.

2,345,693
FLUID PUMPING OR FEEDING DEVICE
Frederick E. Wilson and Lawrence F. Wilson, Buffalo, N. Y.
Application August 16, 1941, Serial No. 407,154
9 Claims. (Cl. 103—44)



1. A pumping device including a housing provided with valve controlled inlet and outlet openings, a flexible tube in said housing connecting said inlet and outlet openings and having the intermediate portion thereof spaced from the walls of said housing, means for conducting fluid to be pumped to said inlet opening and for conducting pumped fluid from said discharge opening, a cylinder formed in said housing and having one end thereof opening into the space arranged about the intermediate portion of said flexible tube, a reciprocable piston arranged in said cylinder for alternately producing varying pressures in said space for alternately changing the volume of the interior of said tube to force fluid to flow from said inlet valve to said outlet valve, a crosshead having a fixed stroke, and an adjustable lost motion connection between said crosshead and asid piston, whereby the stroke of the piston may be varied by adjusting said lost motion connection.

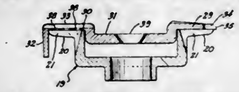
2,345,694
PLYWOOD STRUCTURE
Winfred E. Wilson, Los Angeles, Calif.
Application July 13, 1942, Serial No. 450,696
2 Claims. (Cl. 20—92)



1. In construction of the character disclosed, two panels, one of said panels provided with transverse ribs on opposite surfaces and adjacent one edge thereof, a pair of locking pieces, both formed with channels for confining said ribs, the other panel being interpositioned between said locking pieces, and a tie bolt between the locking pieces and the first and second panels for adjusting the end to end relationship of the two panels and for securing said panels together.

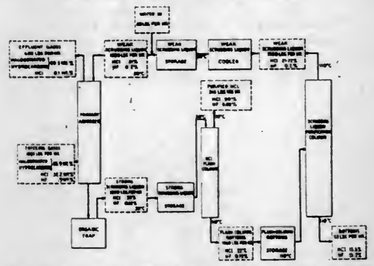
2,345,695
DRY SHAVING DEVICE
Mathew Andis, Racine, Wis., assignor to Andis Clipper Company, Racine, Wis., a corporation of Wisconsin
Application February 8, 1939, Serial No. 255,304
4 Claims. (Cl. 30—43)

1. In a dry shaving device having a movable cutter provided with cutting teeth on opposite sides thereof, a fixed blade positioned over said cutter and having opposite active shaving portions in substantially the same plane for simultaneous use, including a relatively thick edge portion formed with relatively wide slots over the teeth on one side of the cutter and a very thin portion formed with a plurality of longitudinal rows of interior hair openings having closed ends over the teeth on the other side of the cutter, the rows of interior hair openings being spaced inwardly from the edge of said thin portion of the fixed blade and said openings being of less width than said relatively wide slots, the



thickness of the thick edge portion being such with respect to the length of said interior openings of the thin portion that long hair entering the slots on said thick edge is preliminarily cut to leave stubble which is too long for appearance but of less length than the length of the interior hair openings on the opposite side of the blade, whereby said stubble is short enough to freely enter said interior openings as the shaver is advanced so that the stubble is finally severed close to the skin.

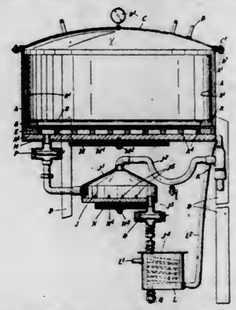
2,345,696
PURIFICATION OF HYDROCHLORIC ACID
Anthony F. Benning, Woodstown, Frederick B. Downing, Penns Grove, N. J., and Roy J. Plunkett, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
Application April 5, 1939, Serial No. 266,070
10 Claims. (Cl. 23—154)



1. In the method of separating hydrochloric acid from a gaseous mixture comprising hydrochloric acid and a smaller proportion of hydrofluoric acid, the steps which comprise absorbing the acids in an inert aqueous solvent containing about 20% hydrochloric acid until the concentration of hydrochloric acid in solution has been increased to at least 25%, and then heating the solution to at least 35° C. to recover hydrochloric acid substantially free of hydrofluoric acid.

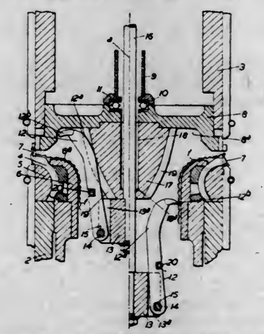
2,345,697
APPARATUS FOR CLEANING OIL
Reginald Donovan Boyce, Denham, England, assignor to Thomas Jerome Mackinnon, Richmond, England
Application June 20, 1941, Serial No. 399,031
In Great Britain July 5, 1940
6 Claims. (Cl. 210—150.5)

1. Apparatus for cleaning oil comprising a container adapted to receive a mixture of oil and an adsorption agent, a filter in the lower part of the container, means for heating the mixture in the container and for subjecting it to air pressure, a sinuous passage for the oil which has passed through the filter, a separate evaporating chamber into which the filtered oil is admitted after flowing through the sinuous passage, means for heating the oil in the evaporating chamber, an ejector having its suction end connected to said evaporating chamber, an oil discharge conduit leading from said evaporating chamber, a chamber through which said oil discharge conduit passes, means for supplying water to said second chamber, means of



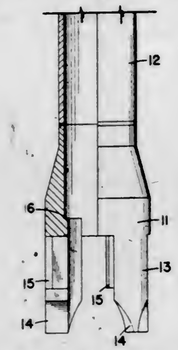
communication between the said second chamber and said ejector for passage of water through the said second chamber in heat exchange relation with the oil discharge conduit, and then through the ejector to create suction in the said means of communication whereby a single water circuit will cool the evaporator oil and remove the fumes from the evaporating chamber.

2,345,698
CIRCULAR KNITTING MACHINE
Thomas Charles Bromley and Arthur Shortland, Leicester, England
Application October 1, 1942, Serial No. 460,429
In Great Britain October 20, 1941
13 Claims. (Cl. 66—150)



1. In a circular knitting machine of the kind herein referred to, in combination, a cylinder, needles in said cylinder, a plurality of movable fabric engaging members the operative extremities of which are directed towards the needles, a common carrier for said members, means for moving the carrier axially within the needle cylinder, and means for effecting inward radial movement of said members on the inside of the needle circle, conjointly with axial movement of the carrier, as knitting proceeds, whereby the operative extremities aforesaid have imparted to them a compound movement conforming with the path followed by the work as it leaves the needles, for the purpose of applying tension to said work.

2,345,699
RETRACTABLE CORE HEAD
John M. Camp, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 20, 1942, Serial No. 439,666
2 Claims. (Cl. 255—72)



1. A device suitable for taking cores comprising, in combination, a shoe adapted to be secured to the end of a string of drill pipe and provided with a plurality of downwardly extending fingers, a core head adapted for slidable movement within said shoe comprising a cylindrical member, a plurality of downwardly extending arms with their upper ends firmly attached to the cylindrical member and their lower ends movable radially and biased inwardly, and a cutter secured to the lower end of each arm, said fingers and arms being provided with mating, longitudinally extending lands and grooves arranged for releasable engagement and to lock said head to said shoe when engaged.

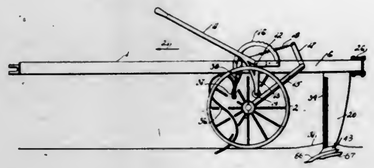
2,345,700
PRODUCTION AND/OR TREATMENT OF POLYMERS
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 13, 1940, Serial No. 365,499. In Great Britain December 14, 1939
1 Claim. (Cl. 260—78)

Process for the production of stable linear condensation polymers which comprises condensing a diamine containing at least one hydrogen atom directly attached to each nitrogen atom with a dicarboxylic acid, the reagents being such as to yield a polymer having a unit length of at least 7 and condensation being effected in the presence of zinc acetate in an amount not exceeding 2% of the weight of the reagents.

2,345,701
PRODUCTION OF HALO-NITRO-ALKANES
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 25, 1941, Serial No. 375,957. In Great Britain January 19, 1940
11 Claims. (Cl. 260—644)

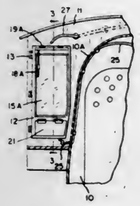
1. Process for the production of halo-nitro-alkanes which comprises subjecting alkyl halides having atoms of the same halogen attached to more than one carbon atom to reaction with a nitrite of a metal selected from the group consisting of the alkali metals and the alkaline earth metals while maintaining in the reaction zone a quantity of the nitrite substantially less than the stoichiometric equivalent of the halogen present.

2,345,702
CULTIVATOR
Charles Sherwood Noble, Nobleford, Alberta, Canada
Application October 10, 1940, Serial No. 360,687
3 Claims. (Cl. 97—207)



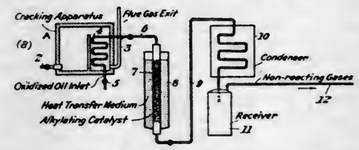
1. In a cultivator, an elongated, bodily detachable blade and stiffener combination, said blade when viewed in transverse cross-section, being convex upon the top side, said top side being in contact with the lower ends of spaced hangers depending from said cultivator superstructure, said stiffener being secured against the under side of said blade, said blade and stiffener being held in place by bolts extending through both and through the said lower ends of said hangers.

2,345,703
LOCOMOTIVE CAB WINDOW
Joseph P. Goebel, Detroit, Mich.
Application April 21, 1942, Serial No. 439,898
2 Claims. (Cl. 20—40.5)



1. In combination with a locomotive having a boiler, a hood surmounting the boiler, and a cab behind the boiler, a cab window pivoted in the wall of the cab, the upper portion of which is movable to admit air into the cab, a removable storm window comprising a casing pivotally secured to the frame work of said cab window, a window pane mounted in the front wall of the casing, the lower portion of a wall of the casing below said pane having a gate therein swingable outwardly to admit air into the casing, means for holding said gate in various adjusted positions, and means for admitting air at ordinary atmospheric pressure and heated by the locomotive boiler into the interior of the casing adjacent said gate, comprising a tubing having one end positioned between the hood and boiler of the locomotive and the other end extending into the lower portion of said casing, whereby the entraining action of the air entering through such gate will aid in inducting the heated air through said tubing.

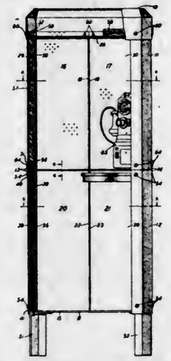
2,345,704
NUCLEATED HYDROCARBONS AND METHOD OF SYNTHESIZING THEM
Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, Pittsburgh, Pa., trustee
Application April 9, 1940, Serial No. 328,699
14 Claims. (Cl. 260—683.4)



9. In the forming of nuclear hydrocarbons, the step consisting of cracking and alkylating a partial oxidation product of normally liquid non-aromatic hydrocarbons.

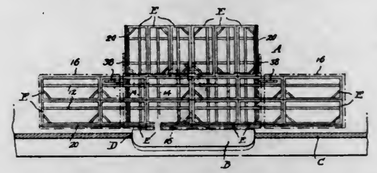
10. As a new composition of matter, a mixture of cracked partially oxidized hydrocarbons having connected alkyl groups.

2,345,705
TELEPHONE BOOTH
Frank A. Kuntz, Woodhaven, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 23, 1941, Serial No. 424,103
2 Claims. (Cl. 189—2)



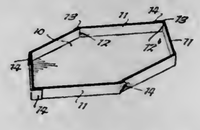
1. A sectional telephone booth comprising two upper and two lower metallic wall sections of like configuration, a ceiling and a roof section, said wall sections being joined together at their meeting edges to form a single unitary structure, each of said wall sections comprising inner and outer wall members, said upper sections having comminuted sound absorbing material therebetween and said lower section having a plurality of sheets of said sound deadening material therebetween, the edges of said inner walls being bent towards said outer wall and parallel therewith to form flanges for securing said sections together and for securing the outer walls thereto, each of said sections forming a side wall and a portion of the front and rear walls of said booth, said ceiling having perforations therein and positioned between said upper wall sections at the top edge thereof and secured to said flanges, said roof section fitting over said ceiling, overlying and secured to the outer wall of said upper section and to the flanges on said inner wall at the top edge thereof, sound absorbing material located between said ceiling and said roof, said material occupying only a portion of the space between said ceiling and said roof, and means passing through the abutting flanges and walls of said sections for securing them together.

2,345,706
PORTABLE TRACKAGE SYSTEM
Abe Kurnit, Hollis, N. Y.
Application January 23, 1942, Serial No. 427,925
4 Claims. (Cl. 20—1.123)



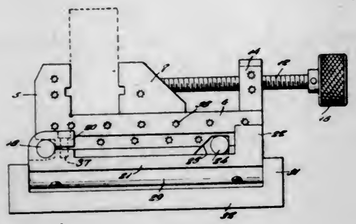
1. In a knock-down portable trackage system for stage floors, a plurality of mating trackage units arranged and detachably secured in contiguous relation and removably affixed to the stage floor to dispose the same adjacent to and rearwardly of the proscenium opening, said units each having fore and aft and transversely extending wheel supporting and guiding tracks, a plurality of mating trackage units arranged on said stage floor at the rear of and secured in contiguous relation to said first mentioned trackage units and having wheel supporting and guiding tracks aligned with the fore and aft tracks of said first mentioned trackage units, and a plurality of mating trackage units arranged upon said stage floor at the side of and secured in contiguous relation to said first mentioned trackage units and having wheel supporting and guiding tracks aligned with the transverse tracks of said first mentioned trackage units, said trackage system being adapted to mount wheeled vehicles on the supporting and guide tracks thereof and which constitute platforms for supporting the stage scenes and the actors.

2,345,707
MOLDING FORM
John P. Leising, Swormsville, N. Y.
Application April 22, 1943, Serial No. 484,017
2 Claims. (Cl. 25—121)



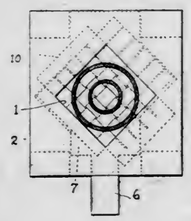
1. A block molding form of pan shape comprising a bottom wall of polygonal shape with side walls fixedly attached to and rising from the marginal edge of said bottom wall, the adjacent ends of said side walls being discontinuous at the corners of the polygon, each of said side walls having an integral tongue extending beyond one of its ends in a direction lengthwise of that side wall along the outside of and overlapping with the adjacent end of an adjoining side wall, whereby each tongue will stiffen that adjacent side wall with which it overlaps, against outward movement when molding material is pressed into the form, and may be tapped endwise, after the material in the form has set, to loosen the wall carrying it from the set material.

2,345,708
VISE
Arthur A. Lines, Marion, Ind.
Application January 2, 1942, Serial No. 425,457
2 Claims. (Cl. 90—60)



1. A vise comprising a stationary jaw having longitudinally extending guides at its lower edge, a transverse kerf in the lower front edge of the jaw, a rod secured in the kerf with its ends projecting outwardly at each side of the jaw, an intermediate base member, bearings at the side edges of the intermediate base rotatably supporting the ends of the rod to provide a pivot for the rear end of the stationary jaw, spaced lugs rising from the intermediate base receiving the free ends of the guides of the stationary jaw to restrain lateral play of the guides, a kerf in one lower side edge of the intermediate base member, a rod secured in the last-named kerf with its ends projecting beyond the front and rear of the intermediate base, a sub-base, bearings on the front and rear ends of the sub-base rotatably supporting the last-named rod, a movable jaw slidably mounted in the guides, and screw means carried by the guides at the free ends thereof to manipulate the movable jaw.

2,345,709
CHANGEABLE EXHIBITOR
Lucius Lobdell, Rockford, Ill.
Application November 26, 1941, Serial No. 420,485
1 Claim. (Cl. 40—65)



A changeable exhibitor comprising a rectangular body strip bent back upon itself to form similar front and back members, said front member having a central rectangular opening, similar rectangular spacing blocks attached to each corner of the front member to space the back member therefrom and means for securing the free edges of the members to each other, a series of strips of equal width and length interwoven with a second series of similar strips, both ends of one series of strips attached to the rear side of the front member on opposite sides of the central opening, an operating member in the form of a strip mounted in the space between the front and back members to be reciprocated and guided between the spacer blocks and having an actuating handle depending from one end extending through a slot provided therefor in the bend of the body strip, said operator provided with opposite extending surfaces, the opposite ends of the second series of strips attached to said opposite extensions, to engage the guiding spacer blocks to limit the reciprocation thereof, so that as the interwoven strips slide over each other the portion of the strips visible through the central opening at one end of movement will be covered at the other end of movement and at the same time make the formerly covered portions of the strips visible through said opening.

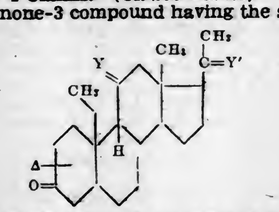
2,345,710
WELL PUMPING EQUIPMENT
Benjamin H. Lybyer, Casper, Wyo.
Application December 21, 1942, Serial No. 469,704
1 Claim. (Cl. 103—203)



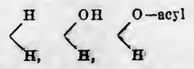
The combination with the casing of an oil well and a pump barrel in the casing, of means to cause separation of gas and sediment from the oil under passage of the same to said barrel comprising a tubing section adapted to be suspended upright in said casing from the lower end of said barrel and being of smaller diameter than that of said casing, means to couple the upper end of said section to said barrel in communication therewith, a packer surrounding said tubing section intermediate the ends thereof and fitting in said casing to form therewith a sediment and oil trap in the casing, a bypass in said tubing section opening at the ends thereof onto one side of the section above and below said packer whereby oil under pressure in the well may pass upwardly from said casing by way of said section past the packer and back into the casing to fall into said trap with the gas separated therefrom, an inlet port in said tubing section above said packer whereby oil and sediment may be drawn under pumping from the trap back into said tubing, and a plug closing the lower end of the tubing section to form therein a sump into which sediment may fall past the bypass.

2,345,711
STEROL COMPOUND AND METHOD OF OBTAINING THE SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 30, 1940, Serial No. 359,163
4 Claims. (Cl. 260—397.3)

1. A urenone-3 compound having the structure

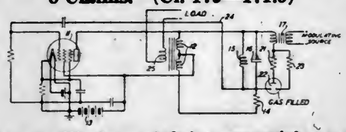


where Y and Y' are members of the class consisting of



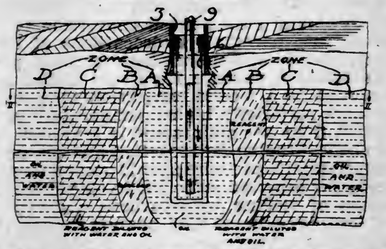
and (=O), and where the symbol Δ represents a carbon-to-carbon double bond in a position of conjugation to the carbonyl group at C3.

2,345,712
OSCILLATION MODULATOR
Milton E. Mohr, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1943, Serial No. 476,276
8 Claims. (Cl. 179—171.5)



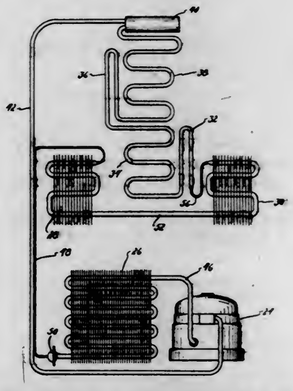
1. An amplitude modulator comprising a source of oscillations, a bridge connected in circuit with said source, a non-linear element connected effectively in shunt with elements of one arm of said bridge for stabilizing the amplitude of oscillations produced by said source, a source of modulating voltages and means for varying the characteristics of said non-linear element in accordance with variations in the modulating voltages.

2,345,713
METHOD FOR IMPROVING OIL WELLS
Thomas V. Moore and George E. Cannon, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 28, 1937, Serial No. 161,428
7 Claims. (Cl. 166—21)



1. The method of removing water from an oil-bearing sand penetrated by a bore hole which comprises injecting into the sand a non-corrosive fluid soluble in water and oil whereby the water is dissolved and removing the thus formed solution from the sand, whereby the permeability of the sand to oil is increased, and subsequently treating the sand with a material capable of rendering the sand selectively wettable by oil.

2,345,714
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Original application August 8, 1940, Serial No. 351,834. Divided and this application June 23, 1941, Serial No. 399,313
1 Claim. (Cl. 62—8)

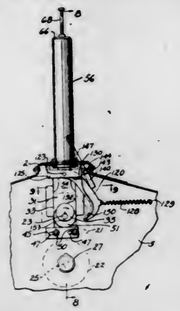


A refrigerating system comprising, a condensing mechanism, high temperature heat absorbing means and low temperature heat absorbing means adapted to receive liquefied refrigerant from said mechanism, a small diameter tube for progressively reducing the pressure of said liquid flowing from said mechanism to said high temperature means, refrigerant flow control means between said high temperature means and said low temperature means to maintain one means at a higher pressure and temperature than the other, a vapor conduit for conducting vaporized refrigerant from said low temperature means to said mechanism and having a portion thereof thermally united to said small diameter tube to precool the liquid flowing through said tube, and a refrigerant accumulator connecting the inlet of said conduit with the outlet of said low temperature means.

2,345,715
AGRICULTURAL APPARATUS
Russell H. Reed, Champaign, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 30, 1940, Serial No. 348,407
5 Claims. (Cl. 83—12)

1. A machine for treating plants comprising a frame, a lower presser roll rotatably mounted within the frame, an upper presser roll, means for rotatably and yieldingly mounting the upper roll within the frame and for positioning the same in spaced and parallel relation with respect to the lower roll, rotary cams associated with the upper roll and fixed thereto for rotation therewith, means movably mounted on the frame for engagement with said cams, and means for rotat-

ing the rolls and said cams, whereby upon engagement of the movable means with the cams



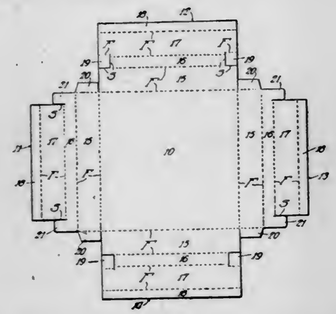
the spacing between the rolls is increased incident to the rotation thereof.

2,345,716

HOLLOW WALLED CARTON

Milton A. Smith, Cicero, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Delaware

Application February 10, 1940, Serial No. 318,236
7 Claims. (Cl. 229—34)



1. A paper board box having a bottom wall and relatively transversely extending tubular side walls, said side walls being foldably connected to said bottom wall and being foldable, one in advance of the other, from collapsed condition substantially flatwise of the bottom wall to distended tubular condition in upstanding relation to said bottom wall, and means for locking one of said side walls in upstanding position comprising a tongue carried by and normally projecting laterally inwardly from the first foldable wall, said tongue being bendable to substantially non-projecting position relative to the wall from which it normally projects, the other of said walls having an end portion terminating in proximity to the plane of said tongue when bent to said non-projecting position and being adjustable to upstanding position by movement transversely past said tongue when folded to said non-projecting position, the inherent resiliency of the material of the box serving to cause said bendable tongue to spring to said normal position after movement of said wall end portion therepast, whereby said tongue is caused to project beyond said wall end portion so as to obstruct movement of said last folded wall to collapsed condition.

2,345,717

TREATMENT OF POLYMER SUBSTANCES

Luther B. Turner, Roselle Park, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application December 19, 1940, Serial No. 370,795
1 Claim. (Cl. 260—28)

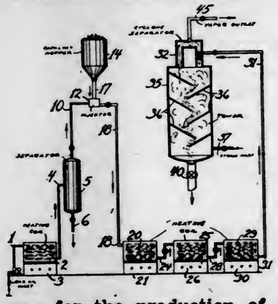
In the preparation of a composition of matter comprising a polyisobutylene having a molecular weight between 50,000 and 350,000 with a paraffin wax, the step of kneading the paraffin into the polymer at a temperature between the melting point of the paraffin and 175° C., in successive small portions, avoiding the formation of slippery surface layers by beginning the addition of the molten paraffin in practically a dropwise manner, continuing the kneading until the successive portions are homogeneously incorporated into the polymer, 7 to 25 parts of melted paraffin per 200 parts of polymer being added in the first 20 to 40 minutes.

2,345,718

TREATING OILS TO PRODUCE ANTIKNOCK GASOLINES OR AROMATIC TYPE LIQUIDS

Jesse S. Walton, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 29, 1940, Serial No. 343,130
4 Claims. (Cl. 260—668)



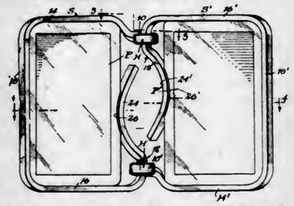
1. A process for the production of aromatic hydrocarbons from hydrocarbon oils predominantly non-aromatic in character, such as kerosene or gas oil which comprises vaporizing said oil in a vaporizing zone, mixing the oil vapors with a finely-divided conversion catalyst selected from the group consisting of clay, elements of the third and sixth group of the periodic system and oxides of elements of the third and sixth group of the periodic system, passing the mixture of oil vapors and finely divided catalyst under superatmospheric pressure through an initial conversion zone maintained at an active conversion temperature of from about 800° F. to 975° F., keeping said mixture within said conversion zone for a period sufficient to obtain a substantial conversion of the initial oil into paraffinic hydrocarbons of lower molecular weight and olefinic hydrocarbons, passing the reaction mixture from said initial conversion zone to a second conversion zone maintained at a materially higher temperature of up to 1050° F. than was maintained in said first conversion zone, keeping said reaction mixture under superatmospheric pressure in said second conversion zone for a period sufficient to obtain further formation of olefinic hydrocarbons and cyclization of olefinic hydrocarbons, passing the reaction mixture from said second conversion zone into a third conversion zone maintained at a materially higher temperature of up to 1450° F. than was maintained in said second conversion zone, keeping said reaction mixture under superatmospheric pressure in said third conversion zone for a period sufficient to cause conversion of the major portion of the hydrocarbons present into aromatic hydrocarbons and withdrawing conversion products and finely-divided catalyst from said third conversion zone.

2,345,719

FOLDABLE PLASTIC PICTURE FRAME

Herbert Weil, Jr., New York, N. Y., assignor to Celomat Corp., New York, N. Y., a corporation of New York

Application November 24, 1943, Serial No. 511,528
8 Claims. (Cl. 40—155)



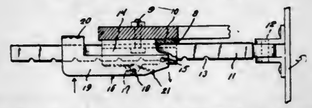
1. A foldable picture frame made of a plastic material comprising a pair of hingedly related picture frame sections, each section consisting of a one-piece plastic picture encasing frame member open along one side and terminating at the open side in a hinge piece at one frame end and a hinge pintle at the other frame end, the hinge piece of each section being interlockable with a hinge pintle of the mating section producing a double hinge connection for the two sections, the two sections being movable about said hinge connection between open and closed picture frame positions.

2,345,720

MOLDBOARD ADJUSTER

Manford Winge, Dawson, Minn.

Application April 28, 1943, Serial No. 484,903
1 Claim. (Cl. 37—143)



In an adjuster for a moldboard, a supporting member having a moldboard pivoted thereto, a bar pivotally connected to the moldboard, a bracket pivoted to said member and including a channeled portion slidably receiving the bar, said bar having spaced notches, latch plates paralleling each other and pivotally mounted on the bracket, a pin connecting said plates to enter any one of the notches of the bar, a substantially U-shaped member connecting said plates and slidably receiving the bar, and tension means acting on the plates to urge the pin against the bar and into a notch aligning therewith.

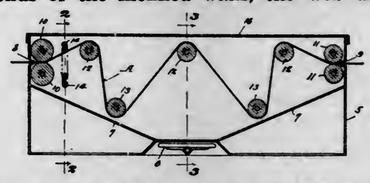
2,345,721

STERILIZER

Edwin Elmer Allstatter, Middletown, Ohio

Application August 18, 1939, Serial No. 290,899
1 Claim. (Cl. 21—91)

A cabinet for sterilizing facial tissue in web form, comprising a body having end walls formed with openings, a recessed bottom providing a burner compartment, a burner in the compartment adapted to heat the contents of the body, upwardly inclined walls connecting the bottom with the end walls, pairs of feed rolls disposed within the body adjacent to the openings, an upper row of horizontal rolls mounted within the body, one of said rolls being disposed directly above the burner compartment, a pair of lower rolls disposed directly over the upwardly inclined walls, at points substantially intermediate the ends of the inclined walls, the web under



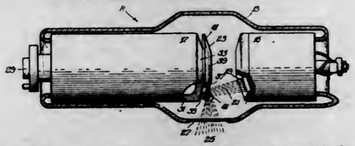
treatment adapted to pass over the upper rolls, and under said lower rolls whereby the length of the web which may be exposed at any given moment to the action of heat from the burner is increased, and means for spraying material onto the upper and lower surfaces of the web, moving through the body shortly after the web enters the body.

2,345,722

X-RAY TUBE

Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York

Application April 30, 1942, Serial No. 441,166
2 Claims. (Cl. 250—148)



1. An X-ray tube comprising a sealed envelope, an electron emitting cathode and rotary anode in said envelope, said anode comprising a support of heat conducting material having a target mounting neck, and a target plate having a central portion bonded on and thermally connected to said neck, said plate having an annular marginal portion projecting outwardly of said neck and forming an annular target surface isolated from direct thermal connection with said support, said neck having a tapered portion and said target plate having an integral peripheral portion in spaced relation with the tapered portion of said neck, whereby to preserve substantially uniform temperature conditions in said annular portion and thus prevent rupture from internal stresses set up in said portions.

2,345,723

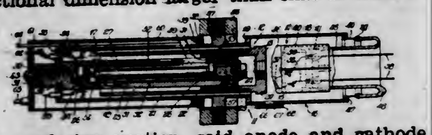
X-RAY TUBE

Zed J. Atlee, Elmhurst, and James C. Filmer, Wheaton, Ill., assignors to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York

Application August 17, 1942, Serial No. 455,102
2 Claims. (Cl. 250—148)

1. A device of the class described comprising a tubular metallic envelope, opposed electrodes comprising an anode and cathode supported within said envelope, said anode being electrically connected with said envelope at an end thereof and rotatable in relation to said envelope and said cathode being supported on and insulated from said envelope at the other end

thereof, said envelope comprising a tubular anode enclosing portion closely embracing said anode while permitting rotation thereof, said envelope including a cathode enclosing portion of sectional dimension larger than that of the anode enclosing portion, said anode and cathode enclosing portions comprising metallic tube sections in co-axial alignment and having abutting ends mutually sealed upon a connecting ring, and pole pieces sealed in openings formed in the anode enclosing portion adjacent said ring.

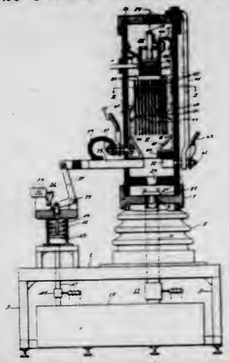


2,345,724

CIRCUIT BREAKER

Benjamin P. Baker, Turtle Creek, and Herbert L. Rawlins, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 19, 1942, Serial No. 435,381
29 Claims. (Cl. 200—148)



1. In a circuit interrupter, means defining a substantially closed chamber, means for establishing an arc within said chamber, a plurality of slotted plates disposed within said chamber capable of evolving a gas upon being engaged by an arc, means for causing said arc to move into the slots of said plates thereby engaging the plates to assist raising the pressure within said chamber, venting means for relieving the pressure within said chamber, and opening means for said venting means responsive to the pressure within said chamber.

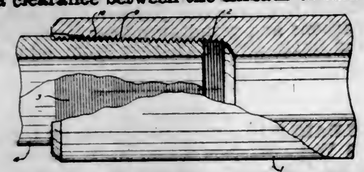
2,345,725

TOOL JOINT WITH DOUBLE TAPERED SOCKET

Irvin H. Bettis, Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application November 3, 1941, Serial No. 417,668
3 Claims. (Cl. 285—146)

1. In a pipe connection wherein the pipe has thereon a uniformly tapered and threaded male member, the combination of a socket member, threaded and tapered to receive said male member, the said socket member being tapered at two different angles, the taper at the inner end thereof being the same as the taper of said pipe, the taper adjacent the outer end of said socket having a slight outward flare so that when the members are screwed together by hand there will be a clearance between the threads of said members along the area of said outward flare, said clearance disappearing when the members are screwed up further by mechanical means.

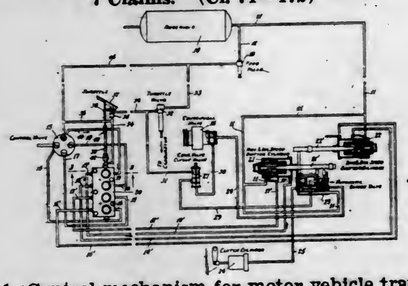


2,345,726

PRESELECTING MECHANISM

Kenneth D. Bull, Oak Tree, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware

Application March 12, 1941, Serial No. 382,921
7 Claims. (Cl. 74—472)



1. Control mechanism for motor vehicle transmission gears comprising shifting elements to shift the transmission gears, fluid operated means to actuate the shifting means, means to control the vehicle engine, a plurality of pipes connected to the fluid operated means, a multiple valve connected to the pipes, means to actuate the multiple valve by the engine controlling means, a selector valve and piping connecting the selector valve with the multiple valve, and means to provide a source of fluid under pressure connected to the selector valve.

2,345,727

FISHING TOOL

Frederick R. Burch, Seattle, Wash.

Application October 4, 1943, Serial No. 504,833
2 Claims. (Cl. 294—86)



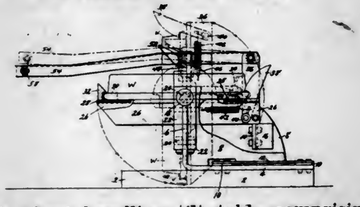
1. A device of the character described, comprising in combination, a solid shaft portion having one end pointed, a set of prongs rigidly attached thereto in close proximity to the pointed end thereof and angling upward approximately 45 degrees to the main shaft, and a socket removably mounted on the other end of said shaft; a compacted chamber consisting of a shell, cylindrical in outer form and conical in inner form, said chamber being slidably mounted on said shaft member between said prongs and socket substantially as shown and described.

2,345,728

WHEEL HANDLING TILT TABLE

William P. Claus and George S. Hill, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Original application June 16, 1939, Serial No. 279,452, now Patent No. 2,293,194, dated August 18, 1942. Divided and this application June 24, 1942, Serial No. 448,266
11 Claims. (Cl. 214—130)



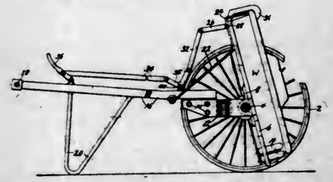
1. A wheel handling tilt table comprising in combination, a base, a tilting platform mounted on said base for rotation about a substantially horizontal axis from a substantially horizontal wheel receiving position to a substantially vertical wheel discharging position, lugs on said platform adapted to position said wheel thereon as it is received in such a manner as to cause said platform to be tilted to wheel discharging position, certain of said lugs supporting said wheel on the platform when in wheel discharging position, and latch means carried by the platform and engageable with the wheel to prevent accidental discharge thereof from the platform.

2,345,729

WHEEL RECEIVING CARRIAGE

William P. Claus and George S. Hill, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Original application June 16, 1939, Serial No. 279,452, now Patent No. 2,293,194, dated August 18, 1942. Divided and this application June 24, 1942, Serial No. 448,267
4 Claims. (Cl. 214—65.4)



1. A wheel receiving carriage comprising in combination, carriage wheels supporting an axle, a table secured adjacent the central portion thereof to said axle, spaced lugs secured to said table and adapted to support and center the wheel on said table, and an operating handle secured to said table to control the angular position thereof.

2,345,730

CLEANING PAD

Elmer T. Cox, Powell Station, Tenn.

Application February 14, 1942, Serial No. 430,962
2 Claims. (Cl. 15—226)



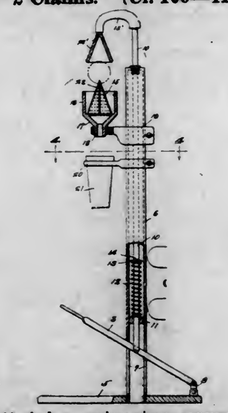
1. A pad of the class described, including a body portion and a working surface formed of a plurality of individual washing and polishing members secured to said body portion and extending therefrom, each of said members comprising an absorbent element, a major portion of which is encased within a protective sleeve to separate the major portions of said individual absorbent elements from each other, and a plurality of threads extending from each sleeve and disposed loosely about and in contact with the portions of each absorbent element which are outside the sleeve, whereby liquid will be conducted to the absorbent element and a separating means will be provided between those portions of each absorbent element which are outside the sleeve.

2,345,731

FRUIT JUICE EXTRACTOR

William Earl Coyle, Shreveport, La.

Application June 1, 1943, Serial No. 489,302
2 Claims. (Cl. 100—41)



1. A fruit juice extractor, comprising a support, a plunger rod mounted for vertical movement within the support, a treadle to which one end of the plunger rod is connected, a hollow cone-shaped plunger carried at the upper end of the plunger rod, a supporting arm adjustably mounted on the support, a hollow support on said arm, a hollow cone-shaped presser head mounted in the hollow support and having knives extending longitudinally of the outer surface

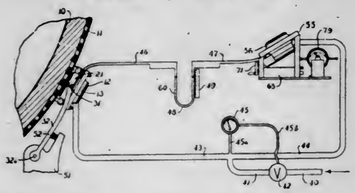
thereof, said knives merging into a point at the upper end of the presser head, said point adapted to pierce fruit and hold the fruit in position on the presser head, said cone-shaped plunger adapted to engage the fruit on the presser head and force the fruit over said presser head extracting the juices therefrom, as the treadle is moved downwardly, and means for receiving the fruit juices from the presser head.

2,345,732

MEASURING APPARATUS

John M. Davies, Akron, and Harvey A. Schultz, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 24, 1942, Serial No. 428,092
4 Claims. (Cl. 33—125)



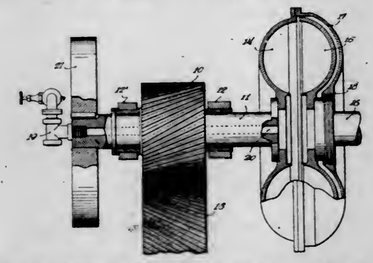
1. Measuring apparatus comprising a chamber having an orifice, means for supporting the chamber from the surface of a rotating member at a fixed distance therefrom, a second chamber having second orifice spaced from an adjustable surface, said adjustable surface having substantially the conformation of the surface of said rotating member, means for supplying fluid under balanced pressure to both chambers, and means connected between said chambers for indicating difference in pressure in the chambers due to difference in flow of fluid from said orifices.

2,345,733

GEARED POWER TRANSMISSION

Percy C. Day, Brookfield, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application December 12, 1938, Serial No. 245,157
4 Claims. (Cl. 74—410)



1. In a power transmission the combination of a shaft, spaced bearings supporting said shaft, a pinion carried by said shaft between said bearings, a dynamic coupling, said coupling having a rotor carried by one end of said shaft, and means carried by the opposite end of said shaft tending to counterbalance the weight of said rotor, the center of gravity of the combined weight of said shaft, pinion, rotor and means being disposed between said bearings to thereby prevent disturbance of the pinion position by the weight of said rotor.

2,345,734

SELF-EMULSIFYING PHOSPHATED AND PHOSPHITED OILS AS ANTISTATIC LUBRICANTS

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 18, 1939,
Serial No. 285,208
7 Claims. (Cl. 8—142.5)

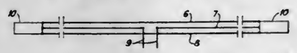
1. The process of simultaneously lubricating and eliminating the tendency of yarns, filaments or fibers composed of or containing organic derivatives of cellulose to accumulate charges of static electricity, which comprises applying thereto a composition containing as its essential lubricating and anti-static component an oil which is the product of reaction obtained by first blowing an oil containing compounds having a certain degree of unsaturation to produce compounds having at least one free hydroxyl group or its equivalent in its molecule which is subject to phosphation or phosphition, and then reacting the blown oil with an agent selected from the group consisting of phosphating and phosphiting agents.

2,345,735

AERIAL SYSTEM

Tjiske Douma, Eindhoven, Netherlands; vested in the Alien Property Custodian

Application January 21, 1942, Serial No. 427,599
In the Netherlands July 20, 1940
10 Claims. (Cl. 250—33)



1. An aerial system including at least two closely adjacent parallel conductors, the length of said conductors being of the order of a half of the operating wave-length and conductive connecting means between said conductors at each end thereof, said means affording a plurality of parallel paths for radio frequency energy over a substantial part of the length of each conductor.

2,345,736

AUTOMATIC GUN MECHANISM

Halvor Olsen Eiane, Washington Island, Wis.

Application April 17, 1942, Serial No. 439,408
3 Claims. (Cl. 42—3)



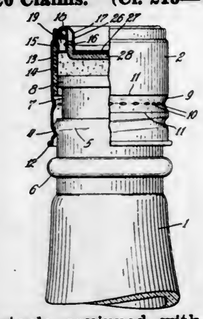
1. In an automatic bolt-action rifle comprising a receiver formed with a central longitudinal bore and a pair of longitudinally disposed passages therethrough, the combination therein of a pair of eccentric counterborings formed at the rear end of said passages, a rearward extension of bearing surfaces in said passages by means of coincidence of internal walls between said passages and said eccentric counterborings, a pair of action rods provided with offset rear terminals complementarily formed for operative occupation of said passages and said eccentric counterborings, a rearward extension of bearing supports for said action rods through said eccentric counterborings, and means for securing a crosshead-sleeve to said rear terminals.

2,345,737

DISPENSING RECEPTACLE

Edward H. Fabrice, Chicago, Ill., assignor to Fabart Instrument Company, Chicago, Ill., a corporation of Illinois

Application June 9, 1941, Serial No. 397,150
20 Claims. (Cl. 215—74)



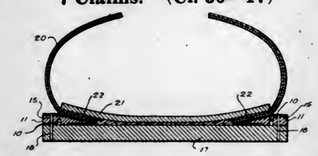
1. A receptacle equipped with a sealing cap having a skirt portion engaged with the discharge end portion of the receptacle for limited movement from sealing to unsealing position, a sealing gasket mounted in the crown of the cap, the latter equipped with an annular duct surrounding said gasket and equipped with diametrically opposed air intake and fluid discharge ports, the bottom wall of said duct equipped with perforations connecting said duct with the receptacle when the cap is in unsealing position.

2,345,738

SHOE

Walter P. Field, Brockton, Mass.

Application February 15, 1941, Serial No. 379,008
7 Claims. (Cl. 36—17)



1. A shoe welting strip of leather having a plane top side whose whole area has grain surface; and an angular bottom side, composite of two flesh surfaces disposed at an obtuse angle to each other, one of said flesh surfaces being oblique to the grain surface and defining, with the grain surface, a portion of strip having gradually diminishing thickness from the apex of the obtuse angle to an edge of the strip, there being a deep channel in the bottom side of the strip, extending longitudinally at a mid-location therein, providing a hinge of grain leather between opposite sides of the channel, about which the portions of the strip on opposite sides of the channel may be swung relative to each other, to bring their said angularly disposed flesh surfaces resiliently into approximately a common plane.

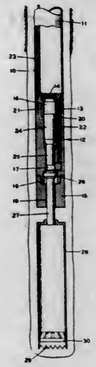
2,345,739

CORING APPARATUS

Gordon H. Fisher, Dewey, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 1, 1941, Serial No. 386,325
9 Claims. (Cl. 255—72)

1. In apparatus of the character described, the combination comprising a core receiving receptacle adapted to be lowered into a bore hole, a housing, a drive head reciprocably disposed within the housing and connected to the core receptacle, a fluid actuated hammer within the housing for imparting a thrust to the drive head



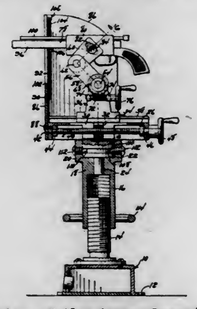
to urge the core receptacle into the formation at the bottom of the bore hole, a conduit in the bore hole for transmitting an actuating fluid at superatmospheric pressure into the housing, and means for exhausting actuating fluid from the housing.

2,345,740

GUN TURRET

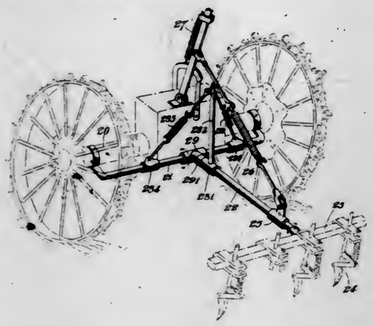
Clayton G. Fogle, Williamsport, Pa.

Application September 15, 1941, Serial No. 410,938
6 Claims. (Cl. 89—37)



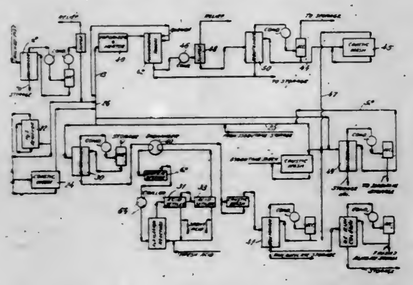
1. In a device of the type described, a supporting means, a gun supporting bracket mounted for horizontal sliding movement on said supporting means, a screw mounted on said supporting means and operatively connected with said bracket to impart adjustment thereto through rotation of the screw, fixedly related rocker arms mounted on said bracket for rotation about a horizontal axis, gears means operatively connected with said rocker arms to impart rotation thereto, a gun positioned between said rocker arms and having a barrel, said rocker arms having slots, pin means attached to said gun and extending loosely through said slots to movably connect the gun with the rocker arms, a shield attached to said supporting means and having a vertical slot for loosely receiving said barrel, a safety slide mounted for vertical sliding movement on said shield and across said vertical slot, said safety slide having an opening for loosely receiving said barrel, and a shutter slidably mounted on said shield for movement transversely of said safety slide and coacting therewith to cover said vertical slot.

2,345,741
TRACTOR CULTIVATOR
George B. Foulke, Jr., Winnabow, N. C.
Application March 20, 1941, Serial No. 384,302
4 Claims. (Cl. 97—47)



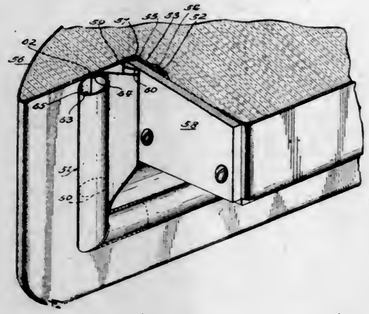
1. In combination a tractor, a frame rigid with the rear axle of said tractor, a horizontal transverse pivot on said frame, a sleeve mounted on the said pivot, a bearing on said sleeve, a cultivator bar rotatably mounted in said bearing, a post attached to said bar, springs attached to said post and operably to said tractor on either side thereof, cultivating tools operably and adjustably attached to said cultivator bar, and means to weigh the cultivator rig against the character of the soil comprising an adjustable spring mounted on the tractor.

2,345,742
PROCESS
Robert H. Gardner, Munster, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application February 7, 1941, Serial No. 377,873
2 Claims. (Cl. 260—683.4)



1. The process of producing high octane motor fuel from the four carbon atom hydrocarbon gases of a cracked stock which comprises (1) debutanizing a cracked stock, (2) dividing the overhead from the debutanizing into two fractions of similar composition each comprising isobutane, isobutylene and butylene-2, (3) subjecting one fraction to a polymerization operation to polymerize the olefin it contains, (4) debutanizing the product of the polymerization, (5) passing the other fraction and the overhead from the debutanizing of the polymer to a deisobutanizer and subjecting the overhead therefrom to an alkylation reaction.

2,345,743
REFRIGERATOR GASKET
Donald H. Gaston, Evansville, Ind., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind., a corporation of Indiana
Application March 6, 1941, Serial No. 381,998
12 Claims. (Cl. 20—69)



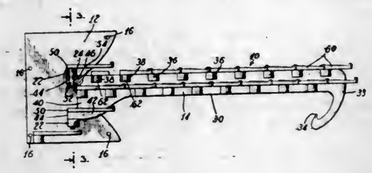
10. A gasket assembly for a refrigerator door, comprising a pair of resilient gasket members, each of said resilient gasket members comprising an attaching flange portion, a relatively wide body portion, and a curved sealing portion having a relatively large easy bend for engagement with a door flange and a facing surface on a refrigerator adjacent a door opening, said members being spaced from each other to form a joint, and a resilient member of live resilient compressible material of substantially complementary shape to said sealing portion and compressed to fit in said sealing portions, said resilient member projecting beyond said gasket members to effect a seal at the joint between said gasket members without said gasket members coming into engagement with each other.

2,345,744
APPARATUS FOR TRAINING BOMB AIMERS
Arthur Philip Glenny, Amberley, England, assignor to The Sperry Gyroscope Company, Limited, Brentford, England, a British company
Application December 15, 1942, Serial No. 469,131
In Great Britain September 6, 1941
9 Claims. (Cl. 35—25)



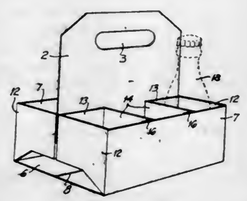
1. Apparatus for training bomb aimers comprising a turnable sighting device, a target device arranged to move towards the sighting device and a traversing mechanism adapted to produce a continuous lateral displacement of the track of the target device during its movement towards the sighting device, wherein the turning of the sighting device is controlled by a manually operable device which also governs the speed of the traversing mechanism so that as the sighting device is turned to follow target device the rate of lateral displacement of the track of the target device is reduced.

2,345,745
GARMENT SUPPORT
Max L. Goldbert, New York, N. Y.
Application November 17, 1942, Serial No. 465,929
1 Claim. (Cl. 211—67)



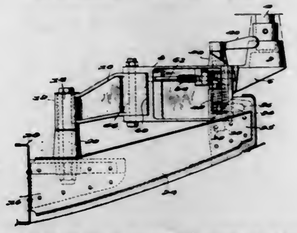
In a device of the character described, a base plate, a pair of studs projecting outwardly from the plate in vertical alignment and spaced apart, the studs being vertically apertured, an arm having a pair of wing members extending laterally therefrom at one end thereof, the wing members also being vertically apertured and so spaced apart as to be received between the spaced studs on the plate, a pair of garment support members each having a shaft portion and a support portion at right angles thereto, the shaft portion of one of said members passing through the aligned apertures of the top stud and the top wing, and the shaft portion of the other member passing through the aligned apertures of the lower wing and lower stud, thereby pivotally securing the arm to the plate and pivotally securing the support members to the arm and to the plate.

2,345,746
BOTTLE CARRIER
Charles H. Goodyear, Stockton, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application July 22, 1941, Serial No. 403,490
5 Claims. (Cl. 229—52)



1. A collapsible bottle carrier comprising a handle panel, side walls parallel with the handle panel, extensions upon the ends of the side walls creased for folding to provide a plurality of cell forming sections including transversely extending sections spaced to form a row of three cells between the handle panel and each side wall, said transverse sections having opposite ends thereof hingedly connected to the handle panel and side panels respectively and being movable between erected positions normal to the side walls and collapsed positions in which said sections lie in flat unfolded relation between the planes of the handle panel and the adjacent side wall upon lateral movement of the handle panel and side walls relative to each other, and a bottom wall hingedly connected at its side edges to the side walls and creased along a longitudinal medial line for outward movement to a collapsed position.

2,345,747
GUN MOUNT
Albert C. Hake, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application February 13, 1941, Serial No. 378,696
4 Claims. (Cl. 89—37.5)

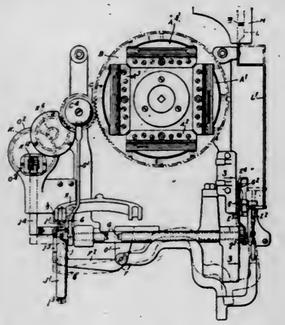


4. Retractable gun support means comprising a stowage arm pivoted at its inner end to a rigid support to swing in a horizontal plane, a vertical hinge intermediate the ends of said stowage arm whereby said arm may be folded and swung into retracted position or extended to straight position, a gun mount carried by the outer end of said stowage arm, rigid means for receiving the outer end of said arm when the same is in extended position, and manually releasable means for locking the arm in extended position securely with said rigid receiving means, said locking means comprising a locking shaft mounted for vertical movement in the outer end of said arm, said rigid receiving means having a socket to receive the lower end of said shaft, spring means for urging said shaft downwardly, a locking pin carried by an outer portion of said stowage arm and movable longitudinally into and out of engagement with a socket in an inner portion of said arm adjacent said hinge, spring means for urging one end of said pin into engagement with said socket, a catch member secured to the other end of said pin, a pawl secured to said shaft and adapted to engage said catch when said shaft is turned, a member extending laterally from said shaft, a cam surface carried by the outer portion of said arm and engaged by said lateral member, and a handle on said shaft, whereby when said handle is turned said shaft is raised to withdraw the end of said shaft from its corresponding socket and said pawl engages said catch to withdraw said locking pin from its corresponding socket to release said locking means and permit the stowage arm to be folded and swung to retracted position.

2,345,748
TYPOGRAPHICAL CASTING MACHINE
John H. Hilpman, Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application February 18, 1942, Serial No. 431,374
14 Claims. (Cl. 199—48)

1. In a typographical casting machine equipped with a plurality of slotted molds mounted on a rotatable disc adjustable by its driving pinion to bring any selected mold into use, said pinion being movable to uncouple it from and recouple it with the driving mechanism before and after such rotary adjustment of the disc respectively, and an ejector mechanism adjustable as to blade width to correspond with the slot length of the selected mold, the combination of devices controlled by the uncoupling movement of the driving pinion for effecting a minimum setting of the ejector mechanism, means controlled by a regular moving element of the machine for automatically effecting the proper adjustment of said

mechanism during the first machine cycle after the selection of a mold, and automatic means distinct from the molds themselves to determine



such adjustment of the ejector mechanism in accordance with the slot length of the mold selected.

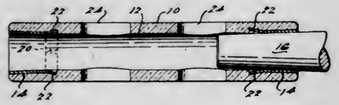
2,345,749

GAUGE HANDLE

George Hohwart, Orchard Lake, Mich., assignor to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan

Application October 6, 1943, Serial No. 505,112

4 Claims. (Cl. 33—178)



1. A handle structure for a plug gauge or the like comprising a hollow main body portion of plastic material and an outwardly flared metal sleeve received and exposed in said bore at one end of said main body portion, and outwardly directly circumferentially interrupted portions integral with the inner end of said sleeve imbedded in and surrounded by the plastic material of said main body portion.

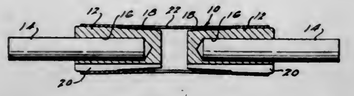
2,345,750

GAUGE

George Hohwart, Orchard Lake, Mich., assignor to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan

Application October 6, 1943, Serial No. 505,113

7 Claims. (Cl. 33—178)



1. A gauge comprising, in combination, a thin walled hollow metallic handle having non-circularly sectioned end portions axially outwardly flared, a collar member having a circumferentially unbroken bore received within said end portion and frictionally secured therein, and a work engaging element having a portion received within said collar member and frictionally locked thereto.

2,345,751

PRODUCTION OF DIOLEFINIC HYDROCARBONS

Vladimir N. Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 12, 1941, Serial No. 388,269

4 Claims. (Cl. 260—681)

1. A process for producing a diolefinic hydrocarbon from isopropyl alcohol which comprises subjecting said alcohol to contact with a catalyst consisting essentially of magnesium oxide at a temperature above 400° and below 500° C.

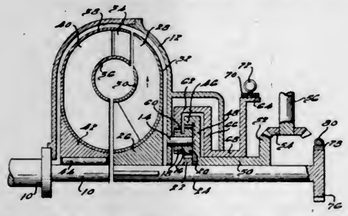
2,345,752

TURBO TRANSMISSION

Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application June 16, 1941, Serial No. 398,212

18 Claims. (Cl. 74—189.5)



1. A power transmitting device comprising a driving shaft, planetary gearing including a plurality of sets of spaced pinion gears rotatable with the driving shaft, a driven shaft, connecting means between one set of said pinion gears and the driven shaft, a member engaging one set of said pinion gears, means to lock said member against rotation to vary the speed ratio of power transmission through the planetary gearing, a second member positioned to be engaged by another set of said spaced pinion gears, a regenerative fluid power transmission comprising an impeller driven by said second member, a turbine aligned with the impeller and cooperating therewith to form a power transmitting fluid circuit, and one-way driving means between the turbine and the driving shaft.

2,345,753

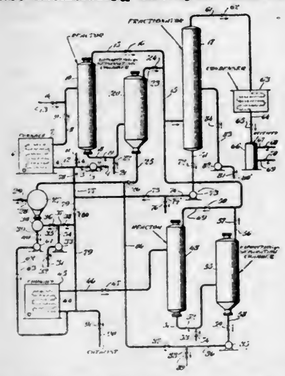
CATALYTIC CONVERSION OF HYDROCARBON OILS

Ivar H. Kinneberg, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 30, 1940, Serial No. 367,969

2 Claims. (Cl. 196—52)

1. The process which comprises, catalytically cracking a hydrocarbon oil in the presence of a fresh finely divided, catalytically active, solid contact material dispersed in the oil, separating from the cracked products a vaporous fraction containing the desired low-boiling product of the cracking operation and a residual liquid fraction containing contact material of reduced activity, separating the latter from at least a major portion of the residual hydrocarbons which do not adhere thereto, commingling the thus separated contact material with additional quantities of hydrocarbon oil to be catalytically cracked, to dilute and remove adhering heavy hydrocarbons from the contact material and disperse the latter in the oil, separately subjecting the resulting dispersion to catalytic cracking, separating from the products of the last named cracking operation, in a zone separate from that wherein said first named separation is effected, another vaporous fraction containing the desired low-boiling product of this cracking operation and another residual liquid fraction containing contact material of reduced activity, removing a regulated portion of the last-mentioned catalyst-containing resid-



ual liquid from the system and supplying another portion to the same separating step to which the first-mentioned catalyst-containing residual liquid is supplied, fractionating the first and second named vaporous fractions to condense therefrom as reflux condensate components boiling above the range of the desired distillate product, subjecting resulting fractionated vapors of the desired end-boiling point to condensation to form said distillate product and recovering the latter.

2,345,754

PROCESS FOR THE SYNTHESIS OF DRYING OILS FROM PETROLEUM HYDROCARBONS

Herman B. Kipper, Accord, Mass.

No Drawing. Application October 27, 1941, Serial No. 416,761

2 Claims. (Cl. 106—239)

1. In a process for improving the color, by establishing a color more nearly resembling that of the vegetable drying oils, of petroleum oils, dehydrogenated to effect unsaturation and such unsaturated oils condensed with oil soluble resins to give synthetic drying oils, the step of treatment of the said oils with a small percentage of an hydrocarbon hydrogen phosphate.

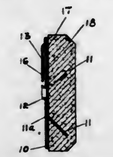
2,345,755

FUMIGANT SUPPORT AND FUMIGANT

William R. Kohl, Glenview, Ill.

Application October 29, 1940, Serial No. 363,260

3 Claims. (Cl. 299—24)



1. An article of manufacture comprising a base support for a volatile material consisting of a semi-pliant metal form one surface of which has thereon a plurality of punched-out integral arms adapted to penetrate and retain thereon volatile material and on the reverse surface an integral punched out elongated lug bearing upon its ulterior extension an opposed pair of bendable ears.

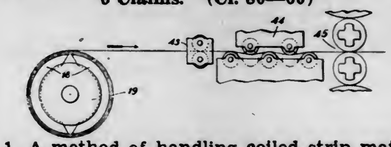
2,345,756

HANDLING STRIP MATERIAL

John La Marca, Fairview, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 2, 1940, Serial No. 316,960

6 Claims. (Cl. 80—60)



1. A method of handling coiled strip material for rolling comprising placing a coil of strip material axially into position to be unwound, frictionally gripping the inner turn of strip material by substantially uniformly expanding pressure applied thereagainst at said position, preliminarily feeding the outer end of the strip material to a rolling position, engaging the outer end of the strip material for rolling, rolling the strip material to reduce the thickness thereof, unwinding the strip material from the coil by rolling, and resisting the passage of strip material to the rolling position by causing the strip material to follow a tortuous path, and by resisting free rotation of the internally gripped coil during rolling to an extent substantially equal to and not in excess of the frictional grip on the coiled strip.

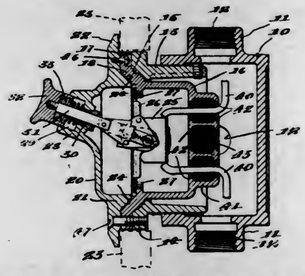
2,345,757

EXPLOSION-PROOF SWITCH HOUSING

Ray F. Lester, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application February 2, 1940, Serial No. 317,022

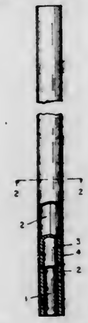
2 Claims. (Cl. 200—168)



1. An explosion proof switch housing comprising a body for installation within the wall structure of a room and being formed with a conduit receiving aperture and with an opening in one side, a flame tight switch enclosure comprising a cup shaped member and a cover detachably secured in flame tight relation to the open end of said member and having a radially extending flange adapted to overlie the marginal portion about an opening in the wall structure, a switch mounted in said enclosure, lead conductors extending from the terminals of the switch through the wall of the enclosure into said body, switch operating mechanism carried by the cover and being operable externally thereof to move the switch into on and off positions, said conductors

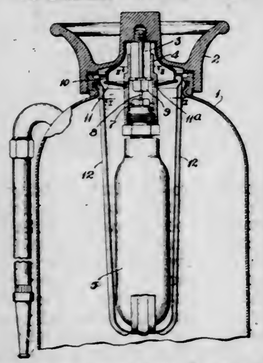
and the switch operating mechanism being sealed in flame tight relation in said enclosure, means for supporting said enclosure in the opening of the body in flame tight relation thereto, and said means being operable to adjust said enclosure toward and from the body to position the flange of the cover in contact with the wall surface.

2,345,758
ARC WELDING
James F. Lincoln, Cleveland, and Theophil E. Jerabek, East Cleveland, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application April 21, 1942, Serial No. 439,840
3 Claims. (Cl. 219—10)



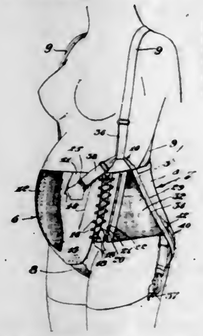
1. In the process of metal working by electricity, the steps of providing an electrode, the body of which comprises a plurality of coaxially arranged fusible metallic components, each such component provided with a sheath of conventional weldrod covering, and maintaining an electric arc between the work and the inner one of said components.

2,345,759
FIRE EXTINGUISHER
Charles H. Lindsay, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application July 6, 1940, Serial No. 344,197
10 Claims. (Cl. 169—31)



3. In a fire extinguisher having a main receptacle for containing an extinguishing medium to be expelled, an inner normally closed receptacle, and a support therefor fixed in the main receptacle and with respect to which such inner receptacle may slide by gravity, an opening member in the path of such sliding movement adapted to effect the opening of said inner receptacle and a normally closed, readily openable barrier normally closing off the sliding surfaces from access by said extinguishing medium.

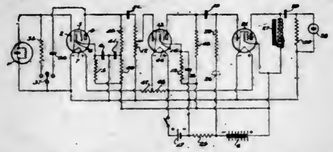
2,345,760
ABDOMINAL SUPPORTING APPLIANCE
Henry J. Lunney, Los Angeles, Calif., assignor, by direct and mesne assignments, of forty-seven and one-fourth per cent to said Lunney, thirty-two and one-fourth per cent to Laurence C. Spangard, Santa Monica, Calif., one per cent to Meridyth Hooper Benstein, one per cent to Beulah Higgens, three per cent to Duke Wallace Hooper, one-half per cent to Paul Roger Hooper, and fifteen per cent to Sigrid Gurie Spangard
Application February 14, 1941, Serial No. 378,898
6 Claims. (Cl. 2—41)



1. In an abdominal supporter, a flexible abdominal supporting cup, a back member for overlying the back of the wearer without encircling the body of the wearer, means for detachably connecting the cup with the back member, shoulder straps connected with the back member, adjustable loops detachably connected with the cup and fixed to the back member, said straps being slidable on the loops, and a crotch member detachably connected with the cup and back member for holding the cup and back member against upward displacement from predetermined positions, said means for detachably connecting the cup and back member including gussets fixed to the back member and detachably connected with the cup.

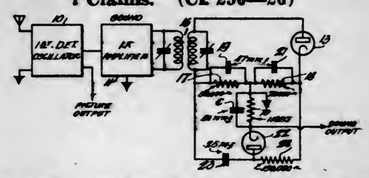
2,345,761
HEARING AID CIRCUIT
Samuel F. Lybarger, Pittsburgh, Pa., assignor to E. A. Myers & Sons, Mount Lebanon, Pa., a partnership consisting of Edward A. Myers, Edwin J. Myers, and Samuel F. Lybarger
Application March 15, 1943, Serial No. 479,237
3 Claims. (Cl. 179—171)

3. An amplifier circuit for a wearable hearing aid, comprising at least three vacuum tubes, the first tube having a plate and a screen grid, a plate coupling resistance for said first tube, a common B battery supply circuit for all tubes, means for supplying filament voltage to the tubes, means for maintaining the filament voltage of the second tube sufficiently lower than that of the first tube so as to insure the second tube ceasing amplifying before the first tube as the filament voltage for all of the tubes decreases, a bias resistor in said common circuit for the output tube, a decoupling resistance in series with said plate coupling resistance, a bypass condenser between the cathode of the first tube and the junction of said decoupling and plate coupling resistances, a screen dropping resistance connected directly from positive of said B battery supply to said screen grid, and a bypass condenser connecting said screen grid to said cathode and having such capacity that the



portion of the voltage in the plate circuit of the first tube resulting from feedback voltage that is produced as a result of the use of said bias resistor and that reaches said screen grid, is greater than the feedback voltage reaching said plate through said plate coupling resistance, whereby said last-mentioned feedback voltage does not produce oscillation in the amplifier circuit.

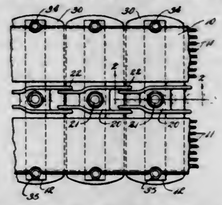
2,345,762
NOISE LIMITER CIRCUIT
Ciro C. Martinelli, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1941, Serial No. 395,363
7 Claims. (Cl. 250—20)



1. A radio receiver having a sound channel with a pass band which is several times the width of the frequency band occupied by the signal components passed by said channel, a detector supplied from said channel and having a load resistor across which the demodulated signal appears, a noise limiter of the series diode type connected across at least a portion of said load resistor, said limiter comprising a diode and an output resistor in series, and means for applying to said limiter a gate voltage which varies substantially exactly with the useful signal modulation envelope of the received carrier wave so that said varying gate voltage and said signal modulation envelope are substantially coincident.

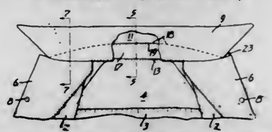
2,345,763
FLEXIBLE TRACK FOR SELF-LAYING TRACK VEHICLES
Robert Mayne, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 27, 1941, Serial No. 380,881
7 Claims. (Cl. 305—10)

7. A track for self-laying track vehicles, said track comprising a flexible body of rubber-like material, flexible tension elements extending therethrough, cross bars secured to said tension elements and disposed in spaced-apart relation, said cross bars each being embedded in said body and having a portion exposed to the face of said body at the tread side, shoes each seated on said face of said body and having means for connecting it with the exposed portion of a cross bar, the connecting means comprising a metallic element seated against said exposed portion of the cross



bar for transmitting load through the cross bar and shoe substantially without play in the connection.

2,345,764
SHIRT
Robert M. May, San Francisco, Calif., assignor to Crown Manufacturing Co., Inc., San Francisco, Calif., a corporation of California
Application January 27, 1941, Serial No. 376,071
2 Claims. (Cl. 2—116)

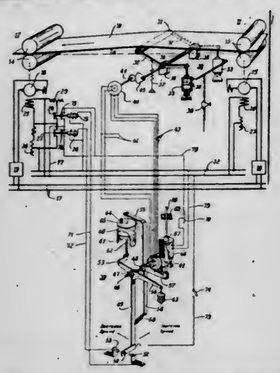


1. A shirt comprising front and back portions and a yoke interposed therebetween, means for fastening the free edges of the front portions together to close the shirt upon the torso of the wearer, a part of the free edge of each front portion being turned back to give double thickness and the same material surface on both inside and outside of the doubled part, said turned back portions being widened at their upper ends sufficiently to extend entirely across the faces of lapels formed by the front portions when in an open throat position, a collar secured to the yoke and front portions, and a reenforcing strip disposed in the collar whereby it may be selectively turned into standing position to receive a tie or turned down in open throat position along a roll line extending angularly across the ends of the reenforcing strip and the lapel-portion of each said doubled part.

2,345,765
TENSION CONTROLLING APPARATUS
Mathias Michel, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1942, Serial No. 438,686
13 Claims. (Cl. 80—35)

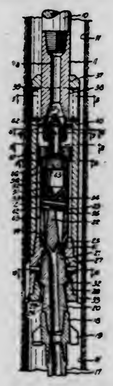
1. In a control system for apparatus having a plurality of devices arranged in tandem for operating on a strip of material, in combination, separate driving motors for said devices, means for initially presetting the speeds of said motors relative to each other, a tensioning device having a roller engaging the strip and movable from a normal operating position in response to changes in strip tension, means operable to increase the speed of one of said motors to increase strip tension, means operable to decrease the speed of said one motor to decrease strip tension, electrically actuated switches controlling the operation of said speed increasing means and said speed decreasing means, respectively, a control member movable in opposite directions from a normal position for selectively controlling the operation of said switches, an operating member yieldably con-

nected to said control member for actuating the same, electrical means operatively connected to said tensioning device and to said operating member for transmitting the movements of said roller from its normal position to said operating member and correspondingly actuate the latter, whereby said control member is moved in the same direction and one of said control switches is ener-



gized, to effect a change in motor speed and cause the tensioning roller to return to normal position, and electromagnetic means actuated by the operation of either of said control switches for moving said operating member in opposition to the operating force applied thereto by said electrical means, to effect return of said control member to its normal position.

2,345,766
DEFLECTING TOOL
Leonidas C. Miller, Dallas, Tex., assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., a corporation of Delaware, and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif., a corporation of California
Application December 2, 1940, Serial No. 368,132
15 Claims. (Cl. 255—1.6)



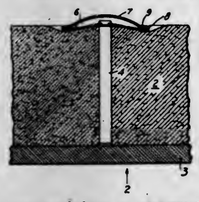
1. A well bore deflecting tool including, a body adapted to be connected to the lower end of a drill pipe, a drill bit assembly suspended from the body and capable of a free swinging movement relative to the longitudinal axis of the body, whereby when the tool is lowered into an inclined well bore, said bit assembly will swing toward a predetermined direction relative to the direction of inclination of the well bore, and hydraulic means within the body arranged to co-act with the assembly for locking the assembly in its deflected position, whereby the tool may be rotated to orient the same.

2,345,767
SHACKLE SEAL
Sigurd Manfred Moberg, West Orange, N. J., assignor to E. J. Brooks Company, Newark, N. J., a corporation of New Jersey
Application September 3, 1942, Serial No. 457,238
1 Claim. (Cl. 292—308)



In a shackle seal in which a member of compressible material is so molded as to have a segmental-shape slot at one side and two spaced-apart openings at the other side, which two openings communicate with opposite ends of the segmental-shape slot, the combination with said member of a flexible shackle, to be threaded through said openings and slot, said shackle imbedded in said member and having its ends protruding therefrom, one end protruding adjacent to and at an angle to the plane of the slot, and the other end protruding substantially in the same plane as, and intermediate, the two openings.

2,345,768
SHIELDED LOCK CLIP
Ted Nelson, San Leandro, Calif.
Application February 20, 1943, Serial No. 476,519
1 Claim. (Cl. 85—36)

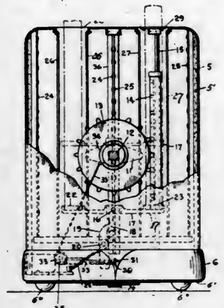


A fastener comprising a crowned circular imperforate shield plate having its peripheral edge folded under and inwardly to provide an inwardly opening shallow annular recess, a substantially square lock plate having its extreme corner portions only seated in said recess whereby the two plates are held together and the major portion of the plate is free, said lock plate having resilient rectangular tabs formed therein to resiliently engage the surface of a stud on which the fastener is pressed to resist backing the fastener off of the stud.

2,345,769
ELECTRIC TOASTER AND COOKER
Adolph L. Osrow, Jamaica, N. Y.
Application October 16, 1940, Serial No. 361,407
4 Claims. (Cl. 99—327)

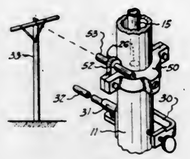
1. An electric toaster, comprising a body having an opening in its top for inserting and removing slices, electric heating means, movable slice-supporting means, timing mechanism, and means controlled thereby adapted to raise said slice-supporting means and thereby cause an edge of

a slice of toast to project through said opening and to control the flow of current to the heating means of said toaster, comprising a rack connected to said slice-supporting means, a gear wheel meshing with said rack, a spring tending to rotate said wheel to raise said rack, a catch adapted to hold said slice-supporting means in lowered position, means connected with said gear wheel for winding said timing mechanism when



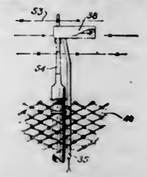
said wheel is rotated to lower said slice-supporting means, means connected with said slice-supporting means for closing the circuit to said heating means when said slice-supporting means is in its lowest position, and means connected with said timing mechanism for releasing said catch at a predetermined time, thereby causing said slice-supporting means to rise by the action of said spring and causing said circuit to be broken.

2,345,770
MEANS FOR SURVEYING WELL BORES
Stafford Park, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Dallas, Tex., a corporation of Delaware, and Eastman Oil Well Survey Corporation, Long Beach, Calif., a corporation of California
Application October 5, 1940, Serial No. 359,832
2 Claims. (Cl. 33—205.5)



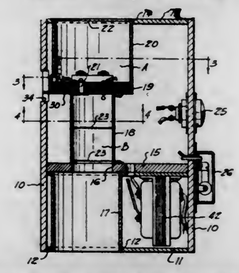
1. An apparatus for surveying well bores including, a drill pipe, a survey instrument having a fixed indicator therein arranged to be lowered in the drill pipe, means for locking the instrument against rotation within the drill pipe whereby the record of the direction of inclination of the instrument is made relative to the fixed indicator, means at the surface for orienting the pipe out of the hole to establish a fixed azimuthal point on the periphery of the pipe, said survey instrument being actuated during withdrawal of the pipe to make a plurality of records at various elevations in the well bore, a magnetic compass within the instrument, and magnetic means adapted to encircle the drill pipe and instrument when these parts are brought to the surface, whereby a record of the position of the indicator relative to azimuth may be made to determine the azimuthal position of said indicator.

2,345,771
ALARM SYSTEM
Richard W. Reynolds, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 21, 1941, Serial No. 415,940
5 Claims. (Cl. 177—314)



5. In an alarm system comprising a fencing barrier, a strain resistant wire contacting a part of the barrier, said means being responsive to mechanical vibrations set up in the barrier, a dynamic pick-up device having a vibratile part mechanically responsive to vibrations in the wire, means for mounting the pick-up device at a point distant from the seat of a disturbance, said part contacting the wire, means responsive to said vibratile part to transform the vibrations into electrical impulses, and means responsive to said electrical impulses to amplify the same and operate a signal.

2,345,772
GAS DETECTING APPARATUS
Malva M. Robertson, Dallas, and Roy R. Douglas, Van, Tex., assignors to W. L. Garland, Grand Saline, Tex.
Application March 23, 1940, Serial No. 325,534
7 Claims. (Cl. 177—311)

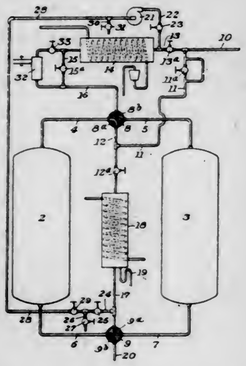


1. A gas detecting apparatus including, a housing having a restricted passage through which air is adapted to circulate, an electrical visible signal, a combined electrical visible and audible signal, a thermostatic element connected in the electrical circuits of the signals and arranged to close the circuit to the visible signal when in a normal undistorted position and arranged to close the circuit to the combined visible and audible signal when in an extreme distorted position, said element holding both circuits open when in a partially distorted intermediate position, and heating means disposed in the path of the air circulating through the passage for heating the thermostatic element to normally maintain the element in an intermediate position, the last named means serving to ignite any inflammable gas circulating through the passage with the air, whereby additional heat is applied to the thermostatic element to move the element to its extreme distorted position to close the circuit to the combined visible and audible signal and actuate the same for indicating the presence of such inflammable gas.

2,345,773
PROCESS OF EXTRACTING LUPULIN
John Michael Schorr, New Orleans, La.
No Drawing. Application November 28, 1940, Serial No. 367,571
3 Claims. (Cl. 99—50.5)

1. The method of extracting taste and flavor principles from essential oil containing substances, which consists in emulsifying said principles with a boiling hot concentrated sugar solution, in a closed container, agitating the same, and cooling the same under the formation of a vacuum while agitating the same all under the exclusion of the atmosphere and liberating during said agitation under vacuum, the essential oils from within the globules of said substance, for entraining the taste and smelling principles of the substances without volatilization of said smell-producing principles and without oxidizing the taste-producing principles.

2,345,774
METHOD AND APPARATUS FOR THE TREATMENT OF GASES
George L. Simpson, Coraopolis Heights, Pa., assignor to Delaware Engineering Corporation, Wilmington, Del., a corporation of Delaware
Application August 23, 1940, Serial No. 353,825
4 Claims. (Cl. 183—4.7)



1. Apparatus for the treatment of hydrocarbon gases comprising a pair of treating units containing a solid adsorptive material, a source of gas to be treated, valves for circulating gas from said source through one unit which is conditioned as an adsorber while the other unit is being activated and for alternating the flow to reverse the conditions of adsorbing and activation, means for by-passing some of the gas from said source and directing it into the unit which is being activated, means for heating the gas so by-passed before it enters the unit, means for delivering the gas after it passes through the unit under activation to the main stream of gas to pass through the adsorbing unit, means for cooling the gas so by-passed before it enters the adsorbing unit, means for selectively interrupting the flow of the by-passed gas stream into the heating means. means for selectively circulating air in lieu of the by-passed gas stream into the said heater and unit, and means for diverting the air after it flows through the unit to prevent contamination of the gas in the other unit.

2,345,775
MANUFACTURE OF PROTECTED WOODEN BARRELS
Clifton E. Smith, Lincoln Park, and Thomas H. Vaughn, Grosse Ile, Mich., assignors, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application April 22, 1942, Serial No. 440,020
8 Claims. (Cl. 144—309)

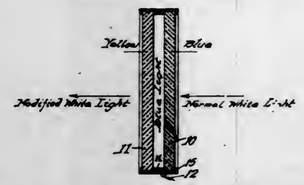


1. The method of coating a barrel comprising, the steps of providing a loose barrel with the staves spaced slightly apart to expose the edges, coating the interior of the barrel and the inner portion of the edges of the spaced staves, and, before the coating sets, tightening the barrel to bring the staves together edge to edge to produce an integrated interior coating, which penetrates the joint between the saves to some extent.

2,345,776
SODIUM SILICATE DETERGENT COMPOSITION
Paul W. Soderberg, Wyandotte, Mich., assignor, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application May 1, 1941, Serial No. 391,351
2 Claims. (Cl. 252—139)

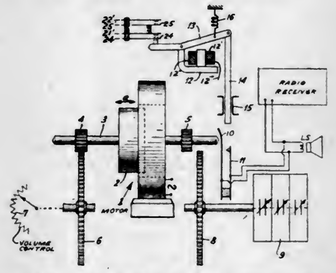
2. A detergent composition, such composition, in the dry state, being free from dust-emanating properties during handling and use, and comprising by weight, 50% to 90% technically anhydrous sodium orthosilicate which normally during handling and use forms and generates fine dust-like particles capable of being entrained in the air, approximately 30% sodium hydroxide, approximately 10% tetrasodium pyrophosphate and 5% to 10% of an oil selected from the group consisting of kerosene and pine oil.

2,345,777
OPTICAL DEVICE TO REDUCE GLARE
Amos N. Somers, Westboro, Mass.
Application October 24, 1941, Serial No. 416,347
1 Claim. (Cl. 88—41)



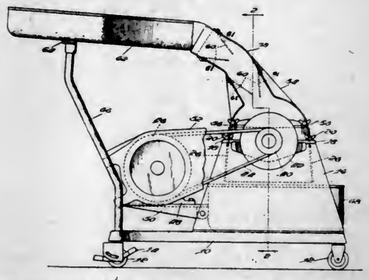
In glare-reducing spectacles having a frame and a pair of double lenses mounted in laterally spaced relation in said frame, that improvement which comprises providing each double lens with a transparent yellow disc positioned in said frame nearer the eye of the wearer, a transparent blue disc positioned in said frame more remote from the eye of the wearer, means to secure said discs in said frame with the adjacent faces of the transparent discs in each pair uniformly spaced apart by substantially the wave length of the color in the blue disc, and the yellow and blue colors in the discs of each pair being optically related to jointly coact on the transmitted light and to thereby transform a glaring white light into a modified white light of greatly reduced glare and on the order of early twilight.

2,345,778
REMOTE MOTOR CONTROL
Johannes Antonius van Lammeren and Wytze Hendrik van der Mey, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application March 15, 1941, Serial No. 383,524
In the Netherlands September 13, 1939
8 Claims. (Cl. 172—239)



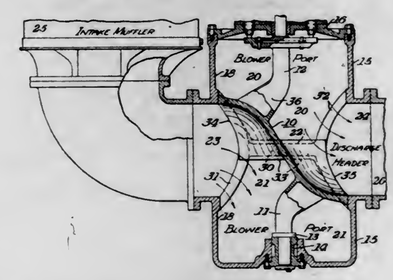
1. In radio apparatus, the combination with tuning and volume control devices therefor, of a motor having a shaft for actuating said devices, said shaft being axially movable and having two positions of operation, one for actuating one of said devices and a second position for actuating the other of said devices, a first means upon actuation thereof for energizing the circuit of the motor, electro-mechanical means operative upon said energization of the motor circuit to restrain the motor shaft in one of its two positions whereby the motor actuates the one said device, and a second independent means upon actuation thereof for energizing the motor and for simultaneously shifting the shaft to its second position whereby the motor actuates the said other device.

2,345,779
COMMINUTING METHOD
Harold H. Wagner, Cincinnati, Ohio, assignor to The Albert Kircher Company, Chicago, Ill., a corporation of Delaware
Application May 6, 1939, Serial No. 272,208
2 Claims. (Cl. 146—219)



1. A process for comminuting whole fresh vegetables to convert the same into a substantially uniform mass of finely divided particles, comprising introducing the vegetable material into a comminuting zone, rapidly rotating a plurality of bar hammer members throughout substantially the entire zone to subject the material within the zone to a rapid series of high speed impacts throughout the cycle of movement of the members and throughout the area traversed by the members, the bar hammer members having a tip velocity in excess of 180 feet per second and a base velocity in excess of 41 feet per second, closely confining the material about the periphery of said zone to restrain the material against centrifugal movement from the zone while continuing the impacting operation until the material is reduced to a substantially uniform mass of finely divided particles and during the impacting operation simultaneously discharging from a portion of the zone adjacent the periphery thereof and through a relatively finely perforated wall a substantially uniform mass of very finely divided vegetable particles smaller than the predetermined size of the perforations in said wall.

2,345,780
REVERSING VALVE
Joseph E. Whitfield, Hamilton, Ohio
Application January 18, 1943, Serial No. 472,659
6 Claims. (Cl. 251—108)

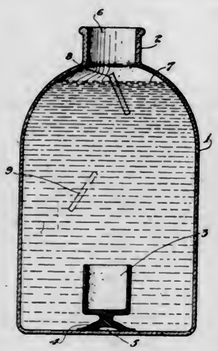


1. A valve comprising a body forming a housing, a transverse partition dividing the housing into inlet and outlet chambers and having an aperture therethrough, a port in each of the opposite walls of the housing which interrupts the edge of the aperture, the surfaces defining the aperture and both ports being joined together and located in a common surface of revolution about an axis normal to the partition, a valve member in the housing supported for rotation about said axis, said valve member having an intermediate base portion the outer arcuate surfaces of which register with the uninterrupted portions of said aperture and oppositely disposed hoods, one hood extending from the upper and the other from the lower side of the base portion, the outer edge of each hood registering with only one-half of its associated port to selectively connect either port to the inlet and outlet chambers when the valve is in operative position.

2,345,781
COIN COLLECTOR AND AMUSEMENT STRUCTURE
Anthony J. Wiedemann, Madison, N. J.
Application August 14, 1943, Serial No. 498,611
2 Claims. (Cl. 273—138)

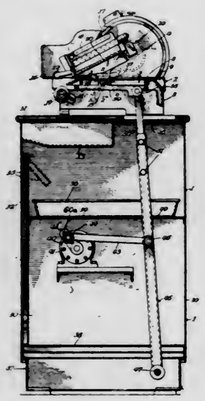
1. A coin-collecting and amusement structure including a container of transparent material terminating in a relatively small top neck with an opening through which the majority of United States coins may pass, and a cup of flexible material which may be forced through said neck opening, the cup having a base formed to provide a vacuum chamber for holding the cup to the bottom of the container, while the con-

tainer is substantially filled with a suitable liquid such as water through which a coin, dropped



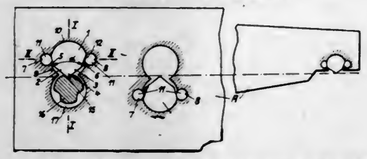
into the container opening, must pass on its way toward the bottom of the container and cup.

2,345,782
SLICING MACHINE UNIT
Travis Walker Winberg and Raymond A. Ames, Beaumont, Tex., assignors to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application April 6, 1942, Serial No. 437,820
6 Claims. (Cl. 146—102)



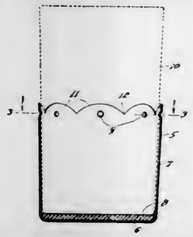
1. A slicing machine unit comprising a cabinet, a slicing machine mounted on top of the cabinet, said slicing machine including a carriage adapted for reciprocation in a rectilinear path, a knife, and means for driving the knife, drive means arranged interiorly of the cabinet, means operatively connected to the drive means and extending through an opening in the cabinet, a member pivoted to the last named means, locking means on said machine, and a receiving member mounted on said carriage for disconnectible engagement with the last named member, said receiving member being adapted for movement selectively to engage said locking means and lock the carriage in a predetermined position.

2,345,783
WEIGHING APPARATUS OR SCALE
Armin Wirth, Zurich, Switzerland
Application June 26, 1941, Serial No. 399,894
In Switzerland July 2, 1940
4 Claims. (Cl. 308—2)



1. In a device of the character described, in combination, a bearing support, a cylindrical bearing block provided with a knife edge and seated in said bearing support, said support having a bore in which said cylindrical bearing block is mounted, two cylindrical pins mounted in other bores of said support intersecting the first named bore on opposite sides of a plane passing through the knife edge and the center of said bearing block, said cylindrical bearing block being provided with two flat uniplanar tapering faces at an angle to the knife edge and said pins having each one flat face of corresponding taper engaging the adjacent tapering uniplanar flat face of said bearing block.

2,345,784
COASTER
Frank E. Wolcott, West Hartford, Conn.
Application April 10, 1940, Serial No. 328,919
4 Claims. (Cl. 65—53)

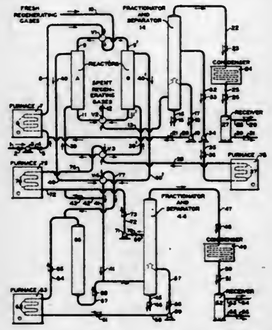


2. A coaster of the character described comprising a cup shaped member having a bottom, an upstanding peripheral wall of substantially thin metal, rigid bosses extending inwardly from the inner surface of said wall to engage the surface of a container for retaining it within said coaster and spaced from the said wall; said bosses being spaced on a line substantially on the same level with portions of the upper edge of said wall to cause flexing of said wall between said bosses and to permit circumferential adjustment of said bosses to conform with the circumference of the container at the point of engagement therewith.

2,345,785
HYDROCARBON CONVERSION PROCESS
Gordon B. Zimmerman, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 13, 1939, Serial No. 308,930
7 Claims. (Cl. 196—49)

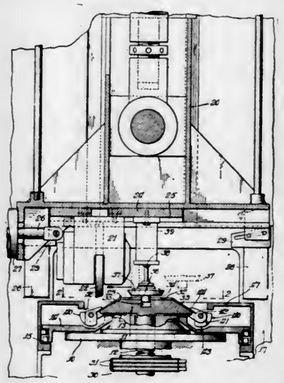
7. A hydrocarbon conversion process which comprises subjecting the hydrocarbons to endothermic catalytic conversion in a first reaction zone, simultaneously in another reaction zone subjecting catalyst to exothermic regeneration

to remove carbonaceous matter deposited in a prior processing period, fractionating the resultant vaporous products from said first zone to condense and separate heavier fractions thereof, heating resultant reflux condensate to cracking temperature, passing the same in indirect heat exchange with the hydrocarbons in the first reaction zone to supply heat for the endothermic



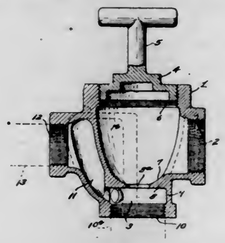
conversion therein, thereafter introducing said reflux condensate to a thermal cracking step, fractionating vaporous products of the thermal cracking to condense heavier fractions thereof, and passing resultant thermal reflux condensate in indirect heat exchange with the catalyst undergoing regeneration in said other reaction zone to absorb heat of the burning operation.

2,345,786
CENTRIFUGAL CLAMP
Louis B. Berg, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 4, 1941, Serial No. 421,613
2 Claims. (Cl. 80—16)



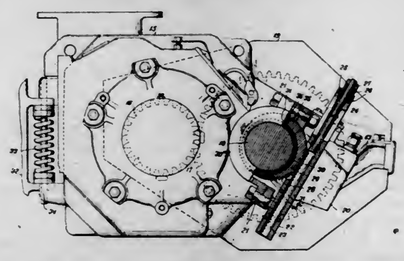
1. A rolling machine for rolling and spinning a circular blank against a rotating form, said form comprising a central flat section and a conical section adapted to accommodate corresponding flat and conical sections in the blank, the rolling operation being performed by a radially inward movement of a roll against the flat section such that radial inward forces are developed in the blank, a plurality of fingers disposed at the outer periphery of the conical section and adapted to contact the outer periphery of the blank, said fingers at no time extending into the plane of the flat section, thereby avoiding interference with the roll, and means responsive to centrifugal force developed as a result of the rotation of the form for operating the fingers to clamp the blank against the form, said means providing a clamping force for the fingers which is proportional to the square of the speed of rotation of the spinning form, such that the clamping force exceeding the radial force developed as a result of the rolling operation.

2,345,787
FLOW CONTROL T
Lawrence N. Boosey, Detroit, Mich.
Application December 22, 1941, Serial No. 423,884
4 Claims. (Cl. 138—37)



1. A flow control T for installation in the outlet conduit of a plumbing system comprising a hollow body providing a chamber having an ovate bottom, said bottom having a central aperture, an inlet for liquid containing solids opening to one side of the body, said inlet being greater in cross sectional area than that of the said aperture, a hub to which the aperture opens, said hub having an aperture adjacent said ovate bottom in communication with atmosphere, and removable means at the larger end of the body providing access to the chamber.

2,345,788
TRACTION MOTOR CONTROL MECHANISM
Laurence J. Brasher, Topeka, Kans.
Application February 25, 1942, Serial No. 432,187
4 Claims. (Cl. 105—113)



1. Traction motor control mechanism comprising, in combination with an axle hung traction motor whose housing is provided with a pair of lubricant holding suspension caps, an armature pinion and a gear on the drive axle of an engine normally meshing with the pinion, an eccentrically bored two-piece cylindrical sleeve rotatably mounted in the side walls of the motor housing, extending into the suspension caps and rotatable on the axle, said sleeve being provided with window openings on opposite sides and provided with

segmental teeth on a predetermined portion of its outer circumference; means arranged in the suspension caps adapted to enter the window-openings in the sleeve whereby the sleeve and axle are lubricated; removable means whereby said sleeve is normally locked to the motor housing against rotation; and means mounted in said housing suspension caps in operative engagement with the segmental teeth of said sleeve, whereby said sleeve may be rotated about the axle when said means is actuated and the motor housing shifted so as to disengage the armature pinion from said gear.

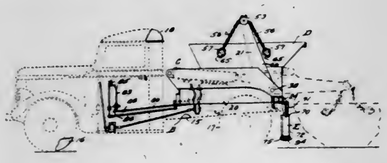
2,345,789

JACKLIKE SUPPORT FOR LOADING, HAULING, AND DUMPING APPARATUS

Lew Wallace Brooks, deceased, late of Knoxville, Tenn., by Ernest N. Brooks, Karl Martin, and John A. Ayres, executors, all of Knoxville, Tenn., assignors to Brooks Equipment and Mfg. Co., Knoxville, Tenn., a corporation of Tennessee

Original application April 10, 1940, Serial No. 328,955. Divided and this application March 6, 1943, Serial No. 478,277

3 Claims. (Cl. 214—77)



1. In load handling apparatus, a truck, a jacklike support, and means pivotally connecting said support to an end portion of the truck so as to depend therefrom and be limited to swinging movement only in a vertical plane extending longitudinally of the truck, said jack-like support comprising, a housing member and a support bar member in telescopic relation, one of which is pivoted to the truck and the other movable toward and from the ground, means for retaining said housing and support bar members in various extended and retracted positions, and a foot on the lower portion of the said member which is movable toward and from the ground, said foot having a rounded bottom surface, arcuate in the direction in which the jack-like support may swing.

2,345,790

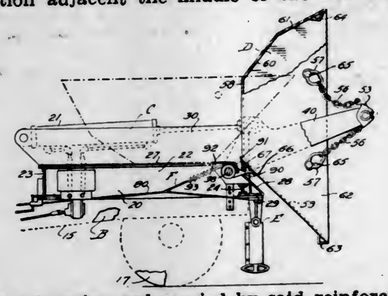
BUCKET OR RECEPTACLE FOR LOADING, HAULING, AND DUMPING APPARATUS

Lew Wallace Brooks, deceased, late of Knoxville, Tenn., by Ernest N. Brooks, Karl Martin, and John A. Ayres, executors, all of Knoxville, Tenn., assignors to Brooks Equipment and Mfg. Co., Knoxville, Tenn., a corporation of Tennessee

Original application April 10, 1940, Serial No. 328,955, now Patent No. 2,313,514, dated March 9, 1943. Divided and this application March 6, 1943, Serial No. 478,278

3 Claims. (Cl. 214—77)

1. A bucket for loading, hauling and dumping apparatus including a flat bottom wall, a rear wall inclining upwardly and outwardly from said bottom wall, a pair of elongate reinforcing members secured to said rear wall adjacent and parallel to its juncture with said bottom wall, said reinforcing members being in end to end spaced relation adjacent the middle of the rear wall,



and a dumping rod carried by said reinforcing members and traversing said space.

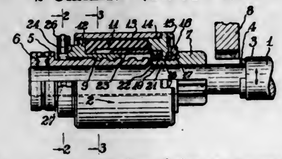
2,345,791

ENGINE STARTER GEARING

James E. Buxton, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 13, 1942, Serial No. 465,491

2 Claims. (Cl. 74—7)



1. In an engine starter drive a power shaft, a pinion slidably journalled thereon to engage and drive an engine gear, means for actuating the pinion including a screw shaft fixed to the power shaft, a nut on the screw shaft, and a yielding overrunning driving connection between the nut and pinion, a latch on the nut normally engaging the screw shaft and frictionally resisting rotation of the nut therein, said screw shaft having a notch adapted to receive the latch when the pinion is meshed with the engine gear, and centrifugal means on the nut for withdrawing the latch.

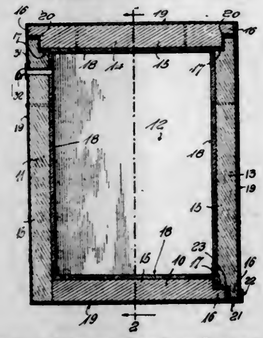
2,345,792

CABINET FOR HOUSING AUXILIARY ELECTRICAL EQUIPMENT

Harry E. Cann, West Chester, Pa.

Application March 7, 1941, Serial No. 382,259

2 Claims. (Cl. 312—100)



2. A cabinet having fixed end, rear and bottom walls and removable top and front walls, the free marginal edges of said walls being rabbeted for interfitting engagement, a covering of sheet metal for the outer faces of said walls, the metal covering of the bottom wall being extended beyond its free edge to form a ledge to support the lower edge of the front wall, and lugs projecting upwardly from the forward edge of the ledge adapted to engage the outer face of the front wall to retain the front wall in interfitting engagement with the adjacent walls.

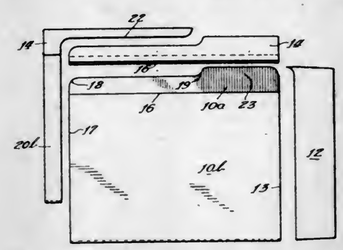
2,345,793

FILE FOLDER ENVELOPE

Wilbur R. Chapel, Barrington, Ill.

Application August 31, 1942, Serial No. 456,737

7 Claims. (Cl. 129—16.7)



4. In a file envelope, a paper sheet folded intermediate its ends to provide front and back walls, one end of said sheet comprising a flap folded into overlapped relation to the other end of the sheet and attached thereto, said front and back walls being secured to each other along one side edge thereof to form an envelope pocket, one of said walls having a closing flap secured to the other side edge thereof, the flaps, the overlapped portion and the secured together portions of said envelope being joined to said front and back walls by weakened portions establishing separating lines for ready removal of said flaps and overlapped and secured together portions from the front and back walls whereby to provide a file folder with single thickness front and back walls.

2,345,794

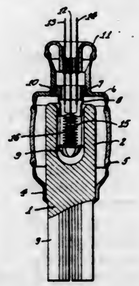
ELECTRON DISCHARGE TUBE STRUCTURE

Georges Paul Chevigny, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application May 23, 1941, Serial No. 394,795

In France May 27, 1940

7 Claims. (Cl. 250—27.5)



1. A symmetrical electron discharge device adapted for ultra high frequency operation comprising an evacuated vessel having a generally cylindrical side wall including a vitreous section, and a pair of end walls, a cathode located coaxially within the side wall, a control grid concentrically surrounding the cathode within the vessel, a conducting sleeve forming part of the side wall, the grid being supported by and electrically connected to the sleeve, one of the end walls being of vitreous substance through which the electrical connection to the cathode passes, the other end wall being formed by a metallic anode sealed to the vitreous side wall section and having a cylindrical portion extending into the vessel and concentrically surrounding the grid within the vessel.

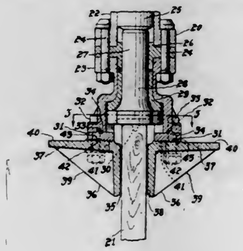
2,345,795

ATTACHMENT FOR PILE DRIVERS

William Curtis Collyer, Palo Alto, Calif., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application September 4, 1942, Serial No. 457,275

3 Claims. (Cl. 61—76)



1. In a pile driver, the combination of a percussive tool having a casing and a reciprocatory driving element therein, a pair of guide brackets on the casing to define a guideway in the plane of movement of the percussive element and each guide bracket being adjustable relatively to the other bracket to vary the width of such guideway in equal degree relatively to the plane of movement of the driving element, and groups of serrations on opposed surfaces of the casing and the guide brackets extending from end to end of such surfaces to cooperate with each other and being visible at their ends for indicating the degree of adjustment of the guide brackets with respect to each other and with respect to the axis of the percussive element.

2,345,796

MOTORIZED SHAVER

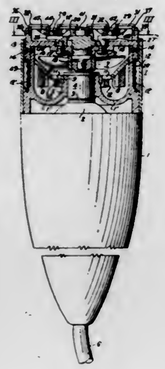
Quinten E. Conner, San Francisco, Calif.

Application November 18, 1941, Serial No. 419,562

4 Claims. (Cl. 30—43)

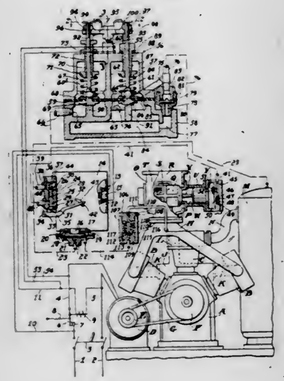
4. A shaver in the class described, comprising a casing having lateral openings and a transverse partition therein, forming an open cage in the outer end portion of said casing; a motive means in said casing below said partition and having a driven shaft protruding through said partition; a head on the outer end portion of said casing and covering the end of said cage; a cutting guard in said head and having reciprocating

shearing blades therein; a studshaft mounted in said head and driven by said driven shaft; and



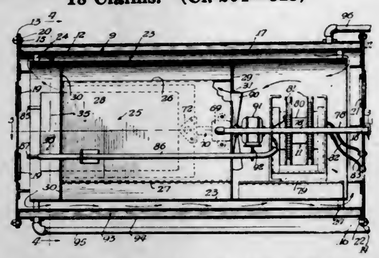
blade reciprocating means interposed between said blades and studshaft.

2,345,797
COMPRESSOR SYSTEM
Charles A. Corson, Painted Post, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 27, 1943, Serial No. 480,783
8 Claims. (Cl. 230—18)



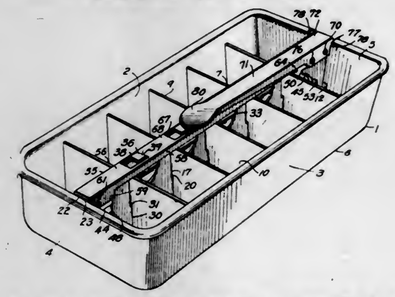
1. A compressor system including a compressor, a driving motor therefor, a controller operated by the compressor discharge pressure adapted to stop the motor at a predetermined high pressure and to restart the motor at a predetermined low pressure, a compressor unloader operated by pressure fluid controlled by said controller to unload the compressor at said predetermined high pressure and to reload the compressor at the predetermined low pressure, and a second controller to delay the stopping of the motor after operation of the first controller and to pre-establish the minimum stopping period of the motor.

2,345,798
OZONE GENERATOR
James M. Daily, Merchantville, N. J., assignor to American Ozone Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1940, Serial No. 318,993
18 Claims. (Cl. 204—318)



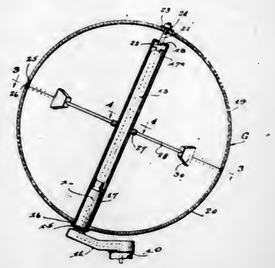
1. An ozone generator of the character described, comprising in combination an air-tight housing, means for supplying air under super-atmospheric pressure into the housing, an ozone generating unit disposed in the housing and comprising high tension and neutral or grounded electrodes with an ozone producing space between them and in communication with the housing interior, a closed pipe system in the housing for delivering the ozone or ozonous air produced in said space to the housing exterior, and means independent of the air supply means and within the housing for repeatedly and rapidly circulating the air under pressure in said housing around the generating unit for cooling purposes.

2,345,799
ICE FREEZING TRAY
Carroll E. Dodson, Kansas City, Mo., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 26, 1937, Serial No. 155,670
9 Claims. (Cl. 62—108.5)



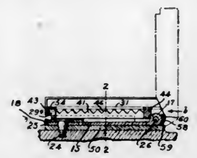
5. In a tray of the character described, a grid removably disposed therein, including a longitudinal grid plate having a recessed upper edge and transverse grids loosely carried by the longitudinal grid plate, a bar supported in said recess for retaining the transverse grids, ice releasing shoes slidable on the bar, a channel-shaped member slidable over the bar and having pin and slot connection with the longitudinal grid plate, means on the channel-shaped member having successive engagement with the respective shoes for effecting successive release of the blocks of ice engaged by the respective shoes, and means for actuating said channel-shaped member including means for initially releasing the grid including the blocks of ice from the tray.

2,345,800
ILLUMINATED GLOBE MOUNTING
Raymond R. Dupler, Toledo, Ohio
Application November 5, 1942, Serial No. 464,616
5 Claims. (Cl. 240—2)



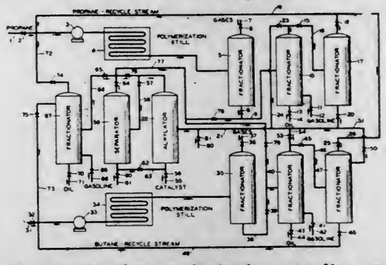
1. An illuminated globe comprising a support, a post on said support, an elongate electric lamp on said post, an elongate apertured member fitting over said lamp and having close sliding engagement with said post, said elongate member having an annular series of longitudinally elongate apertures, a flange at the lower end of said member, a translucent globe in the form of two hemispheres, one hemisphere having an opening fitting said member and abutting against said flange, and a shank projecting from the opposite end of said member and projecting through an opening in the other hemisphere, and means engaging said shank on the outer side of the adjacent hemisphere and cooperating with said flange for holding said hemispheres together, the rays from said lamp passing through the apertures in said elongate member for illuminating the globe from the inside.

2,345,801
DAY AND NIGHT SIGHT FOR FIREARMS
Clyde B. Ferrel, San Francisco, Calif.
Application July 6, 1942, Serial No. 449,856
3 Claims. (Cl. 33—55)



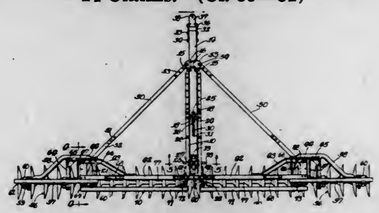
1. In a sight of the character described, a rear sight comprising an elongated base plate, means pivotally securing one end of the plate to a gun barrel, said pivot permitting the opposite free end of the plate to swing laterally of the gun barrel, means frictionally retaining the plate against pivotal movement, a rear sight hingedly secured to the free end of the plate and adapted to be swung from a position parallel to the base plate to an upright position at right angles to the same, there being a slot formed in the rear sight through which the front sight of a gun barrel may be viewed, graduations formed on the rear sight on opposite sides of the slot to indicate different ranges, a coating of radio active salts applied to the graduations, and means operating to gather and project ultraviolet rays against said coating to activate the radio active salts so as to render the graduations visible.

2,345,802
GASOLINE MANUFACTURE
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 14, 1940, Serial No. 361,138
5 Claims. (Cl. 260—683.4)



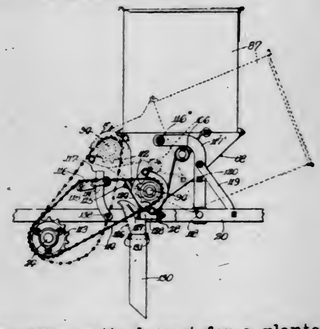
1. A process of manufacturing gasoline, which comprises subjecting a feed stock comprising propane to a first thermal conversion to produce hydrocarbons boiling in the gasoline-range, simultaneously subjecting a feed stock comprising isobutane to a second thermal conversion to produce hydrocarbons boiling in the gasoline-range, passing hydrocarbons effluent from the said two thermal conversions and having three carbon atoms per molecule to the first thermal conversion, recycling normal butane effluent from the second thermal conversion back to the said second thermal conversion, passing hydrocarbons effluent from the first thermal conversion and having four carbon atoms per molecule and hydrocarbons effluent from the second thermal conversion and having four carbon atoms per molecule and substantially freed from normal butane to a catalytic alkylation to effect olefin-paraffin union forming paraffinic hydrocarbons boiling in the gasoline range, separating and removing gasoline-range and higher-boiling products thus formed, passing residual hydrocarbons having three carbon atoms per molecule to the said first thermal conversion, and passing residual hydrocarbons having four carbon atoms per molecule to the second thermal conversion.

2,345,803
DISK HARROW
Cameron H. Gemberling, South Bend, Ind., assignor to Oliver Farm Equipment Company, a corporation of Delaware
Application January 1, 1942, Serial No. 425,267
14 Claims. (Cl. 55—81)



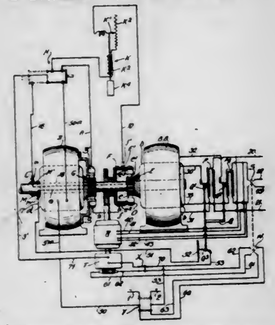
1. A disk harrow comprising a main frame, a relatively movable supplemental frame carried by said main frame, inner disk gangs having their outer ends pivoted to said supplemental frame, and their inner ends flexibly connected to said main frame, and outer disk gangs pivotally connected to said main frame in substantial coaxial alignment with and independent of said inner disk gangs.

2,345,804
FERTILIZER ATTACHMENT
Cameron H. Gemberling and Rudolph J. Altgelt, South Bend, Ind., assignors to Oliver Farm Equipment Company, a corporation of Delaware
Original application April 17, 1940, Serial No. 330,042. Divided and this application August 24, 1942, Serial No. 456,098
20 Claims. (Cl. 221—120)



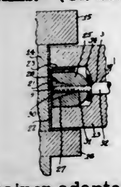
1. A fertilizer attachment for a planter comprising a housing having a fertilizer discharge opening therein, a roller journaled in said housing adjacent said opening, and relatively movable means carried by said roller for crushing and feeding said fertilizer through said opening.

2,345,805
VARIABLE SPEED ELECTRICAL DRIVE
George H. Gibson, Montclair, N. J.; Anna Gibson and George Gibson, executors of said George H. Gibson, deceased
Application June 12, 1942, Serial No. 446,756
5 Claims. (Cl. 172—239)



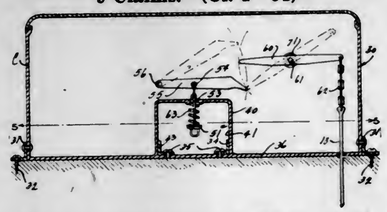
1. An electrical drive mechanism comprising a driven shaft, an electric motor having a direct current armature element and a field element subjecting the motor armature to a magnetic field tending to induce rotation of the shaft in the desired direction, an electric current generator having an armature element and a field element including a field winding excited by multi-phase currents and subjecting the generator armature to a rotating magnetic field revolving about the axis of and tending to propel said shaft in the direction of its desired rotation, said motor and generator each having one of its elements stationary and having its other element secured to said shaft, and means for passing unidirectional current induced in the generator armature through the motor armature.

2,345,806
WEATHER STRIP GROOVE ADJUSTER AND SASH RETAINER
Joseph P. Glaser and Leon E. Willett, Detroit, Mich., assignors to Chamberlin Metal Weather Strip Company, Detroit, Mich., a corporation of Michigan
Application April 23, 1940, Serial No. 331,198
15 Claims. (Cl. 292—70)



1. In a sash retainer adapted to be received in a longitudinal recess and adjustably press against and move longitudinally with respect to a weatherstrip extending into said recess, thereby adjusting the friction between the moving parts of a weatherstripped sliding sash and window frame structure, the combination of an adjuster element mounted in said recess, and means for urging said adjuster transversely into engagement with said weatherstrip portion in a direction transverse to the window pane having its outer edge substantially flush with the outer edges of the longitudinal recess engageable with another portion of said weatherstrip.

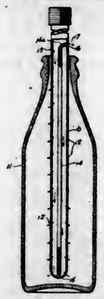
2,345,807
TOILET FLUSHING MECHANISM
Vicente Martinez Gonzalez and José Almeida Morales, Habana, Cuba
Application December 17, 1942, Serial No. 469,326
9 Claims. (Cl. 4—64)



1. In trip mechanism for water closet flush tanks and the like, the combination of a casing, means for attaching the casing to a flush tank, a pivoted flush valve attaching lever in the casing, a pivoted trip lever upon the casing adapted upon movement to trip the position of the first mentioned lever, a third lever, means pivotally mounting said third lever upon the casing for operation in a plane normal to the action of the first two mentioned levers, means connecting one end of the third lever to an intermediate portion of the trip lever, and spring means for urging one end of the third lever into a predetermined position.

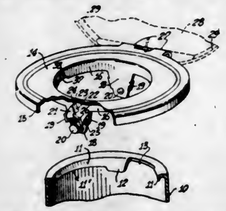
2,345,808
COOLING NOZZLE FOR HOLLOW GLASSWARE
Thomas D. Green, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application June 5, 1942, Serial No. 445,912
4 Claims. (Cl. 49—45)

1. A cooling nozzle suitable for use in tempering articles of hollow glassware, said nozzle comprising an elongate hollow body closed at its free end and provided with jet holes in the wall thereof, and an eductor tube extending within said hollow body of the nozzle and having an intake



opening located in direct communication with the space within the closed free end portion of the nozzle body and an outlet to the exterior of the nozzle body.

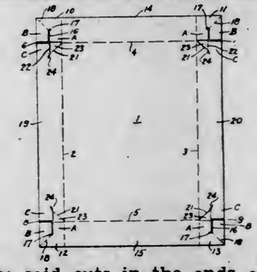
2,345,809
GAS TANK LOCK
Samuel Greenberg, Chicago, Ill.
Application March 8, 1941, Serial No. 382,318
5 Claims. (Cl. 220—86)



1. In a closure member for receptacles having a tubular neck including an inwardly extending rim with a downwardly disposed flange, said flange having notched out portions and a shoulder extension formed adjacent thereto with the lower edge of said flange increasing in depth from the notched portion to the opposite shoulder, in combination a closure ring including oppositely disposed depending lugs, a locking member pivotally arranged on said lugs, pivot means mounting the locking member on said lug, said locking member having its free end portion disposed to be engaged by the lower edge of said flange when the closure ring is rotated in one direction on said neck, and spring means between said depending lug and said locking member and urging said locking member into engagement with said lower edge of said flange to prevent rotative movement of the closure ring in a direction opposite to said first named direction.

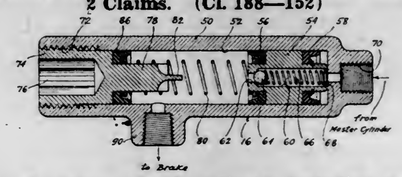
2,345,810
FOLDING BOX
Raoul J. Gruenberg, San Francisco, and Edgar L. Stern, Pasadena, Calif.
Application April 11, 1941, Serial No. 388,132
6 Claims. (Cl. 229—35)

1. A prefolded box composed of a blank having longitudinal creases extending from end to end thereof and transverse creases extending between said longitudinal creases and defining the bottom, sides and ends of the box; the sides and ends being severed from each other in substantial alinement with said transverse creases and forming flaps on said ends foldable on said longitudinal creases; said flaps and the contiguous sides each having cuts extending thereinto from said lines of severance between said sides and ends, respectively, said cuts being substantially parallel with said longitudinal creases and forming tabs on



said flaps; said cuts in the ends of said sides forming triangular notches therein with the hypotenuses of said triangles extending outwardly from the approximate corners of said bottom toward the inner ends of said cuts in said sides, respectively; said flaps having creases therein directed from the corners of said blank toward the respective corners of said bottom.

2,345,811
HYDRAULIC BRAKE AUTOMATIC ADJUSTER
Dallas S. Harp, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application August 11, 1942, Serial No. 454,368
2 Claims. (Cl. 188—152)

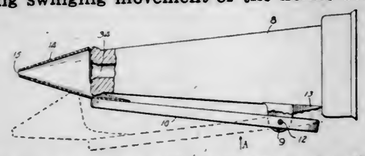


1. A hydraulic brake adjuster including a cylinder having an opening at one end adapted to receive a conduit extending to the master cylinder, the other end of the cylinder having an opening associated therewith and adapted to receive a conduit extending to a hydraulic brake, a piston slidably received in the cylinder in fluid tight relation therewith, means resiliently urging the piston towards the master cylinder end of the cylinder, a resiliently closed ball check valve carried by the piston and adapted when open to pass fluid through the piston, and a pin adjustably carried in sealed relation with the brake end of the cylinder and adapted to move the ball valve off its seat when the piston has moved almost completely towards the brake end of the cylinder, whereby proper clearance can be provided between the braking surfaces in the hydraulic brake upon the adjustment of the position of the pin, said pin being adjustable from the outside of the cylinder.

2,345,812
NOZZLE
William R. Harriman and Henry Foster, Hondo, Calif.
Application April 25, 1942, Serial No. 440,424
2 Claims. (Cl. 299—129)

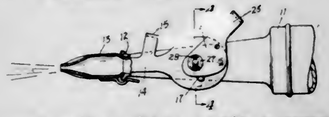
1. In a device for a liquid conduit having a discharge opening for liquid, a nozzle having sides converging toward an outlet, a lever to pivotally support the nozzle relative to the conduit, clamp-

ing means including resilient, non-metallic means gripping the conduit and pivotally supporting the lever, and stop means on the clamping means limiting swinging movement of the nozzle out of



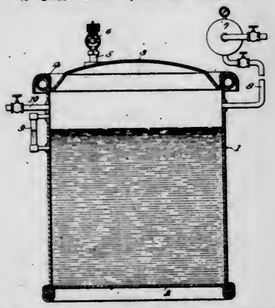
the path of the liquid, the converging sides of the nozzle being arranged for the pressure of liquid thereon to tend to maintain the nozzle in the path of the liquid.

2,345,813
NOZZLE
William R. Harriman, Hondo, Calif.
Application August 15, 1942, Serial No. 454,959
7 Claims. (Cl. 299—135)



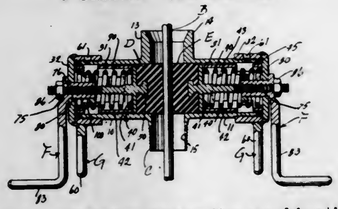
1. In combination with a nozzle, a spray head therefor which, in its active position, seats in connection with the discharge end of the nozzle, a support for said head having side members at opposite sides of the nozzle, provided with inclined arcuate slots, pivot members extending diametrically from the nozzle through said slots, a bail handle having its side members pivotally swingable on said pivot members, and in frictional contact with the slotted portions of said support, and pivotal connections between said side members of the handle and the side members of the support at points spaced from the said pivot members.

2,345,814
METHOD OF PRODUCING AND STORING SAUERKRAUT
William H. Harrison, Wilmette, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 27, 1942, Serial No. 440,691
2 Claims. (Cl. 99—154)



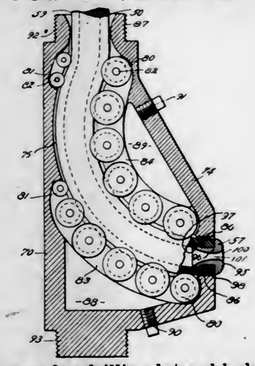
1. The method of producing and storing sauerkraut consisting in placing shredded cabbage thoroughly mixed with approximately two percent of salt by weight in a tank leaving a relatively large head space, sealing the tank with a closure member having a valve opening outward so as to prevent air from entering the tank while permitting the gas formed during fermentation to force the air out of the head space and escape, maintaining said tank in sealed condition for storing the kraut after treatment and supplying carbon dioxide gas to the head space within the tank so as to maintain a slight pressure thereon and prevent air from entering the head space whereby the kraut is at all times during fermentation and during storage maintained free from contact with air.

2,345,815
OIL SAVER AND ROD STRIPPER
Byron A. Harroun, Henderson, Tex.
Application May 1, 1941, Serial No. 391,432
9 Claims. (Cl. 166—15)



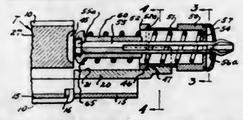
1. In an oil saving device the combination of a housing provided with means for attachment to a well casing and having a sucker rod passageway therethrough, oil wiping means including opposed wipers, means to radially move the oil wipers to surround a sucker rod for stripping oil therefrom, and means for both rotatably and radially moving said wipers to close off the entire passageway of said housing after removal of the sucker rod from the passageway.

2,345,816
HYDRAULIC DRILLING APPARATUS
Russell R. Hays, Lawrence, Kans.
Application December 24, 1940, Serial No. 371,471
5 Claims. (Cl. 255—1.6)



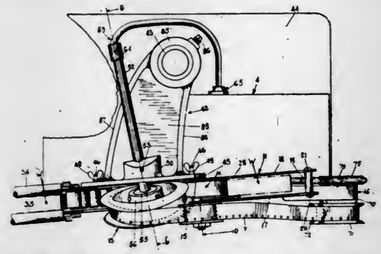
1. Apparatus for drilling lateral holes in a deep well, comprising a rigid pipe extending into the well, a slip joint secured at its one end to the lower end of said pipe, an elbow having two diametrically opposed series of rotatably mounted rollers secured to the other end of said slip joint and supported in said well against downward movement, and a flexible tube extended into said well with its lower portion extended through said slip joint and said elbow and secured against longitudinal movement relative to said pipe whereby when said pipe is moved downwardly said flexible tube will contact said opposed series of rollers and be forced transversely of said well hole.

2,345,817
CLAMP DEVICE
Herman H. Helbush, Los Angeles, and Elmer L. Lipp, Glendale, Calif., assignors, by mesne assignments, to said Helbush
Application August 23, 1941, Serial No. 408,100
1 Claim. (Cl. 85—5)



A skin clamp adapted for use in conjunction with a clamp-operating tool, comprising a cylindrical body, a retaining pin reciprocally mounted in the body for protraction and retraction through the outer end thereof, a spring opposing protractive movement of the pin, and an annular shoulder on the body, said shoulder presenting an annular undercut opening towards the outer end of the body whereby to inter-engage with a part of the clamp-operating tool during protraction of the pin.

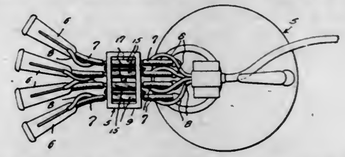
2,345,818
MOTION PICTURE PROJECTION APPARATUS
Russell R. Kelley, Jackson Heights, N. Y., assignor to International Mutoscope Reel Co. Inc., Long Island City, N. Y., a corporation of New York
Application July 11, 1941, Serial No. 401,926
18 Claims. (Cl. 88—18.7)



1. A self-winding film reel for a motion-picture projector, comprising a stationary holder for a film winding, said holder having a central axial opening through which the innermost convolution of the film winding is progressively withdrawn, a film take-off roller, means for supporting said take-off roller for rotation in said opening of the film holder substantially centrally thereof, said supporting means comprising a bracket having a tubular part on which said take-off roller is mounted for rotation, said tubular part being adjustable axially of said opening, means for releasably securing said tubular part in said bracket, and means in said tubular part operatively connected to said take-off roller for rotating said roller.

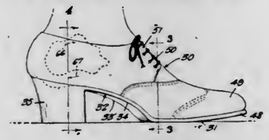
2,345,819
MILKING APPARATUS
Thomas H. Kirk, Lake Worth, and William B. Kirk, Lantana, Fla.
Application September 13, 1943, Serial No. 502,178
1 Claim. (Cl. 31—58)

In an attachment for a milking apparatus, a box-like structure having one side open and provided with openings in opposite walls thereof, nipples fitted in said openings and adapted to have tubes leading from teat cups to a milking machine attached thereto, seats formed in the openings of the box-like structure, and sight tubes fitted in said seats, said box-like structure



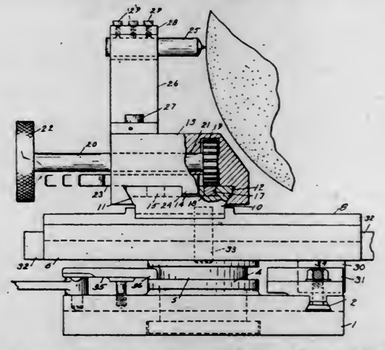
including companion sections, dowel pins connecting said sections, and tie bolts extending through said sections.

2,345,820
FOOT CORRECTION
Jules J. Kohn, Jacksonville, Fla.
Application December 16, 1940, Serial No. 370,403
5 Claims. (Cl. 36—8.5)



1. In a shoe, a heel structure having a heel seat provided with a depression vertically aligned with the heel bone of the foot to which the shoe is fitted, the longitudinal axis of said shoe extending through the apex of said depression and axially of the second toe of the foot, a sole having lateral and medial ball areas, and the lateral ball area being positioned posteriorly to the medial ball area in an amount which positions a line drawn through the centers of the two ball areas at an angle of approximately 80 to 85° to said longitudinal axis.

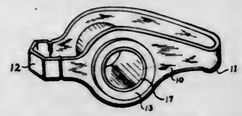
2,345,821
RADIUS AND TANGENTIAL SURFACE GRINDING WHEEL DRESSER
Stanley J. Kopec, Erie, Pa.
Application September 14, 1942, Serial No. 458,312
3 Claims. (Cl. 125—11)



1. In a radius and tangential surface grinding wheel dresser, in combination, a rotatable longitudinally slotted member, a depending sine bar and stop members for stopping said member at a predetermined angular position, a longitudinally movable member in said slotted portion, means for locking said longitudinally movable member

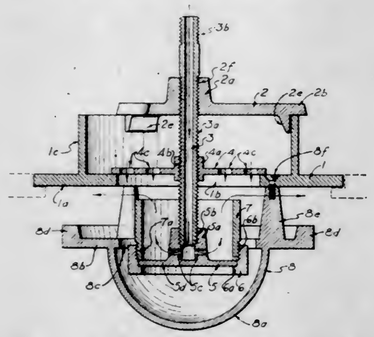
in said slotted portion of said rotatable member, a transversely disposed table on the said movable member having off-set longitudinal guiding slots, a transverse slot connecting said off-set slots, a movable head on said table, and a locking and guiding key adapted to engage said guiding and transverse slots.

2,345,822
ROCKER ARM
James M. Leake, Monroe, Mich.
Application August 21, 1941, Serial No. 407,750
8 Claims. (Cl. 74—519)



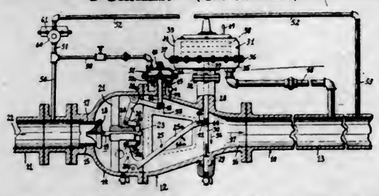
1. A stamped metal rocker arm having a substantially U-shaped cross-section, a hub intermediate its ends comprising a plurality of tubular members extending through the side walls of said rocker arm, the inner ends of said tubular members being abutted and fastened so that said plurality of tubular members are in axial alignment, the outer ends of said tubular members having annular flanges extending radially adjacent the outer surfaces of said side walls, a contacting bearing at the proximity of either end of said rocker arm, an oil reservoir in said rocker arm, an oil passageway in said hub for feeding oil to said oil reservoir, a plurality of oil ducts for feeding oil from said oil reservoir to contacting bearings and a means for metering the flow of oil to said contacting bearings.

2,345,823
OIL BURNER
William H. Link, San Diego, Calif.
Application December 27, 1941, Serial No. 424,659
4 Claims. (Cl. 158—66)



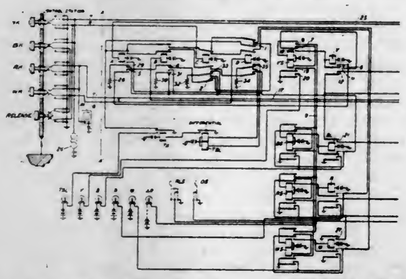
1. In an oil burner of the class described, the combination of a supporting housing open at its upper side and provided with a limited opening at its lower side, a spider resting on the upper open side of said housing, a tubular fuel inlet conductor adjustably mounted in said spider, a cup-like vaporizer member secured on the lower end of said fuel inlet conductor and communicating with said fuel inlet conductor, and a damper member provided with a plurality of openings therethrough adjustably mounted on said fuel inlet conductor over said limited opening in said supporting housing.

2,345,824
SINGLE PORT PRESSURE BALANCED GAS REGULATOR
George T. Macbeth, Bronxville, N. Y.
Application October 22, 1941, Serial No. 416,023
5 Claims. (Cl. 50—16)



1. In a reducing valve adapted to be inserted between a high pressure and a low pressure fluid pipe line, having a closure member for the high pressure fluid line, a first resilient membrane regulator exposed to the high pressure on one side and to the low pressure on the other, a first link mechanism between said first membrane and said closure member whereby normally high pressures on said membrane and said member, respectively, normally will counter-act one another and keep said closure member in a balanced floating condition, a second resilient membrane regulator exposed to said low pressure on one side and to an adjustable pressure on the other, a second link mechanism between said closure member and said second membrane, normally having a tendency to open the said closure member by the action of said adjustable pressure of said second membrane, said two resilient membrane regulators, and said two link mechanisms, being in the form of two separate structures, independent of one another, and independently acting on said closure member.

2,345,825
SIGNALING SYSTEM
Charles G. Miller, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 29, 1942, Serial No. 452,724
6 Claims. (Cl. 177—353)



1. In a signaling system, a control station and a switching station, four transmission channels connecting said control and switching stations, means at the control station for selectively and simultaneously energizing different combinations of two of said four channels, a relay at the switching station individual to each channel and operated by the energization thereof, a signal station comprising two characteristically different alternating current signal devices, translating means selectively controlled by the simultaneous operation of different combinations of said channel relays for selectively operating either of said station signals in either of two

different manners and other means controlled by said translating means for transmitting a signal to said control station over an idle one of said channels of the same characteristic as, and simultaneous with, the signal being transmitted to the signal station.

2,345,826
RECOVERY OF ALKALI METAL CYANATES
Hans R. Neumark, Forest Hills, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application April 29, 1941, Serial No. 390,909
4 Claims. (Cl. 23—75)

1. A method for the purification of a crude alkali metal cyanate produced by the oxidation of a molten alkali metal cyanide by contact with an oxygen-containing gas at a temperature below about 700° C., the oxidation being terminated while the reaction mass still contains not less than 2% of the cyanide, which comprises crystallizing the crude cyanate from an aqueous medium containing between about 0.6 and about 0.7 mol of an alkali metal hydroxide per liter.

2,345,827
PURIFICATION OF WATER
Hubert L. Olin, Iowa City, Iowa
No Drawing. Application October 11, 1937, Serial No. 168,440
1 Claim. (Cl. 210—23)

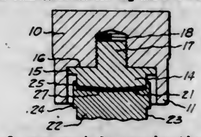
The process of clarifying natural raw water which comprises separately dispersing therein a slurry of unflocculated sodium bentonite and ionizable material and permitting the bentonite to react with ionizable substances present in the raw water, and with the added ionizable material, to form hydrous flocs, waiting for the flocs to entrain negative dispersoids and to undergo gravity settling, and separating the supernatant water therefrom.

2,345,828
SEWAGE TREATMENT
Hubert L. Olin, Iowa City, Iowa
No Drawing. Application November 5, 1937, Serial No. 172,956
1 Claim. (Cl. 210—2)

The process of treating sewage which comprises separately adding thereto, and dispersing therein, ionizable material and a slurry of sodium bentonite, thereby causing the bentonite to react with ionizable substances present in said sewage, and with the ionizable material added thereto, to form hydrous flocs and to entrain sewage dispersoids, waiting for the flocs and entrained material to settle, and separating the supernatant liquid therefrom.

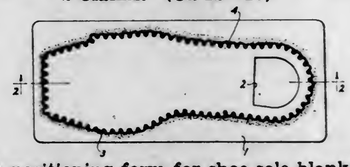
2,345,829
MEANS FOR MARKING RECORD ELEMENTS
Willard J. Opocensky, Glendale, Calif., assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., a corporation of Delaware, and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif., a corporation of California
Application January 30, 1942, Serial No. 428,875
10 Claims. (Cl. 33—27)

1. A marking device for forming concentric lines on a record including, a body having a depending annular skirt, a circular marking block removably mounted within the skirt and having its outer wall spaced from the inner wall of the skirt to form an annular space therebetween, and



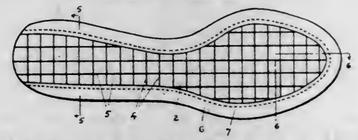
a plurality of concentric projections on the lower surface of the block.

2,345,830
POSITIONING MEANS
Harold L. Pierson, Rochester, N. Y., assignor to E. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application November 20, 1942, Serial No. 466,384
2 Claims. (Cl. 12—17)



1. A positioning form for shoe sole blanks and the like including a supporting plate and a transversely corrugated flexible strip arranged perpendicularly thereon with one edge abutting and attached to the supporting plate, said strip being of a shape and height to extend around and engage the periphery of a shoe sole blank.

2,345,831
SHOE SOLE AND METHOD OF MAKING THE SAME
Harold L. Pierson, Rochester, N. Y., assignor to E. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application March 1, 1943, Serial No. 477,548
12 Claims. (Cl. 12—146)

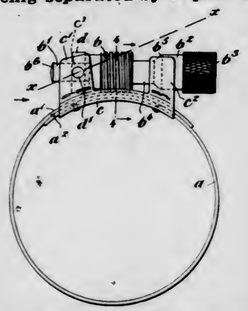


1. The method of making a shoe sole which includes cementing a wood layer to a flexible supporting layer with the fibers of the wood extending perpendicularly to the plane of the layer, and cutting the wood layer in different directions to produce a multiplicity of separate, substantially equal-sided relatively small wood units that are independently movable both lengthwise and transversely of the sole.

2,345,832
HOSE OR BAND CLIP
Eric Thomas Pritchard, Liveredge Hill, Henley-in-Arden, England
Application April 10, 1943, Serial No. 482,560
In Great Britain April 1, 1942
2 Claims. (Cl. 24—19)

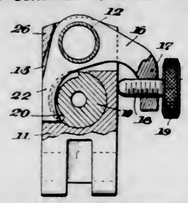
2. A band clamp comprising, in combination, a split band having a bracket on one end, the other end of the band overlapping the first end and being provided with teeth on its periphery, a screw for engagement with said teeth mounted at one end on the bracket to move longitudi-

nally and to pivot about an axis substantially parallel to the axis of the band, an enlarged head on the other end of the screw, a pair of members extending from the sides of the bracket adjacent the base of said enlarged head, said members being separated by a space wide enough



to permit the body of the screw to pass between them when the screw is pivoted into engagement with said teeth, but overhanging the enlarged head to lock the screw against pivoting when the screw is moved longitudinally into a position to apply tension to the band.

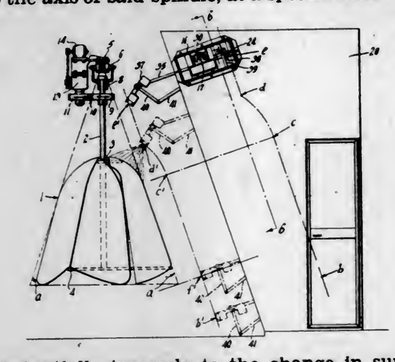
2,345,833
GUN BARREL LOCK
Henry Schirokauer, New York, N. Y., assignor to Schirgun Corporation, a corporation of Delaware
Application March 24, 1942, Serial No. 436,032
15 Claims. (Cl. 42—75)



13. In a gun, a frame, a barrel in the frame, a stop for the barrel, a transverse slot in the barrel, a transversely moving locking member narrower than the slot mounted on the frame, an aperture in the frame wider than the locking member and in register with the slot, and means for forcing the locking member into the slot and aperture and into contact with the forward wall of the aperture and into wedging contact with the rear wall of the slot and arranged and adapted to draw the frame against the stop.

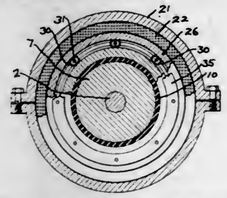
2,345,834
PAINTING MACHINE
Howard V. Schweitzer, Shaker Heights, Ohio
Application October 1, 1941, Serial No. 413,173
19 Claims. (Cl. 91—45)

1. In a machine of the class described, a conveyor system, spaced article carrying spindles on said conveyor system, means in said conveyor system to advance said spindles in alternate stationary and advancing periods, means to rotate successive spindles during stationary periods, a spray gun, means to support said spray gun at an angle having a component normal to the curved surface generated by an article carried by a rotating spindle during the stationary period of the spindle, and means to move said spray gun along a linear path having a component parallel to the axis of said spindle, at a speed which varies



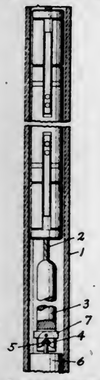
substantially inversely to the change in surface area of the article carried by the spindle.

2,345,835
DEVICE FOR COLLECTING ELECTRIC CURRENT
James T. Serduke, Berkeley, Calif.
Application March 30, 1942, Serial No. 436,918
13 Claims. (Cl. 171—322)



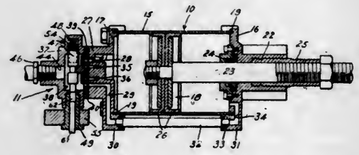
1. Means for transferring electrical current between spaced relatively moving parts comprising an intermediate member having a resilient periphery in contact with both of said parts, and means for mounting said member to roll during the relative movement of said parts.

2,345,836
TRIP TUBE
John F. Shaw, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application July 24, 1942, Serial No. 452,166
2 Claims. (Cl. 294—86)



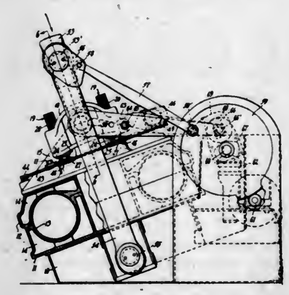
1. An overshot release comprising a tube having a slot therein to receive a cable-like element on which the tube is to be mounted, sleeve means rotatively mounted on the tube and having a slot to register with the slot in the tube to enable mounting of the tube on the cable-like element and movable to a position wherein the slot in the sleeve means is out of register with that in the tube to retain the tube on the cable-like element, and spring actuated means for entering the slot in the sleeve means to latch the latter in retaining position.

2,345,837
VALVE MECHANISM
Neil V. Smith, Los Angeles, Calif., assignor, by mesne assignments, to Senacon Service Company, Cleveland, Ohio, a partnership
Application October 7, 1942, Serial No. 461,111
3 Claims. (Cl. 121—38)



1. In a power unit, a cylinder and piston mechanism, means with two pairs of ports one pair for each end of the cylinder and each pair including a port leading to one end of the cylinder and an exhaust port, a plate attached to the mechanism and having cavities connecting the two ports of each pair together, a base plate at a point remote from the cylinder and piston mechanism having cylinder ports and having an exhaust port spaced from each cylinder port, conduits connecting the cylinder ports with the exhaust ports of the cylinder and piston mechanism, a source of actuating fluid pressure, a valve chest mounted on the base plate and having communication with said source of pressure, and a valve movable in the chest operable to put either one of said cylinder ports in communication with its respective exhaust port while placing the other cylinder port in communication with said chest and source.

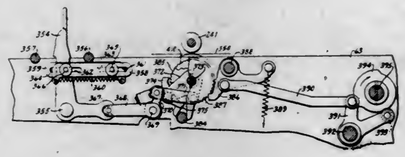
2,345,838
VULCANIZING PRESS AND THE LIKE
Leslie E. Soderquist and Thomas H. Williams, Akron, Ohio, assignors to The McNeil Machine & Engineering Company, Akron, Ohio, a corporation of Ohio
Application February 5, 1942, Serial No. 429,666
10 Claims. (Cl. 18—17)



3. In a vulcanizing press of the character described having an upper and a lower mold section with at least the upper section being movable to open and close the press, an upper platen secured to said upper mold section and being movable therewith, a movable press head for supporting said platen and upper mold section, means for relatively spacing said press head and said platen comprising a plurality of spaced rotatable screws each having a tool gripping portion and connected at one end to said platen and at their other end to said press head, a sprocket arranged to be inoperatively mounted on each screw adjacent said tool gripping portion and having a projection, a coupling member operatively mounted on the tool gripping portion of each screw and having a plurality of openings any one of which is adapted to receive the projection on an adjacent sprocket to render the latter operative to rotate one of the screws, and drive means for rotating the sprockets simultaneously.

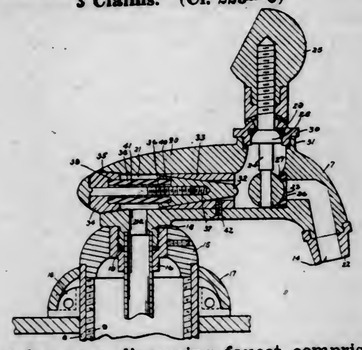
9. In means for simultaneously rotating a plurality of screws each having a tool gripping portion, the combination of a sprocket arranged to be inoperatively mounted on each screw adjacent said tool gripping portion and having a projection, a coupling member adapted to be operatively mounted on the tool gripping portion of each screw and having an opening which is adapted to receive the projection on an adjacent sprocket to render the latter operative to rotate one of the screws, and a driven chain for rotating the sprockets in unison.

2,345,839
ACCOUNTING MACHINE
Pascal Spurlino, Mayo A. Goodbar, and Marvin D. Frost, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application March 6, 1941, Serial No. 381,962
7 Claims. (Cl. 197—127)



7. In a machine of the class described adapted to print on record material, the combination of feeding means for moving said record material in either of two directions to various line space positions for receiving impressions thereon; a pair of oppositely disposed ratchets connected to said feeding means; an arm movable in either of two directions from a normal position; a member pivoted on said arm and having two pawls, one cooperating with each of said ratchets; yieldable means engageable with said member to hold the pawls out of engagement with their respective ratchets when the arm is in its normal position, and operable to rock the member about its pivot to engage one or the other of the pawls with its associated ratchet upon initial movement of the arm from its normal position in either of said directions; and means to rock the arm in either of said two directions to cause one or the other of the pawls first to be engaged with its related ratchet and thereafter to operate that ratchet to feed the record material from one to another line space position, whereby the record material may be line spaced in either of said two directions.

2,345,840
BEVERAGE DISPENSING APPARATUS
Charles W. Strong, Portland, Oreg., assignor to Strong Manufacturing Company, Portland, Oreg., a corporation of Oregon
Application June 6, 1941, Serial No. 396,886
3 Claims. (Cl. 225—6)



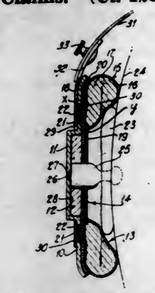
1. A beverage dispensing faucet comprising a cylindrical body, a base therefor, said faucet having a discharge outlet formed therein, a continuous passageway extending longitudinally therethru from said base to said discharge outlet, a control valve arranged longitudinally of said passageway, an adjusting screw operatively engaging said control valve and extending along said passageway, and a compressible tubular sealing member enveloping said adjusting screw where it extends thru said passageway, said sealing member being provided with a non-compressible tubular spacer arranged in the bore thereof, proportioned to define the effective limit of operation of said feed screw.

2,345,841
SLIP
Edna Summers, Los Angeles, Calif.
Application November 4, 1940, Serial No. 364,181
2 Claims. (Cl. 2—73)



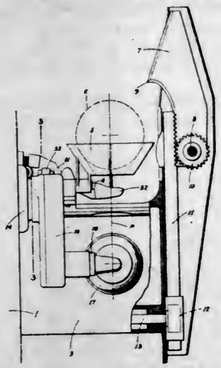
1. A slip comprising a plurality of straight cut front, rear and side panels stitched together to form the skirt of the slip, the side panels terminating at the waist line of the slip, the side panels being pleated from their tops to provide the skirt with a fitted waist, and straight cut front and rear sections stitched to the waist of the skirt and stitched together to form the bodice of the slip, said front sections being shaped and darted to conform generally to the breasts.

2,345,842
NOISE ELIMINATOR
Joseph E. Valentine, Plainfield, N. J., assignor to Oxxyn Company, a corporation of New Jersey
Application October 14, 1943, Serial No. 506,234
4 Claims. (Cl. 128—151)



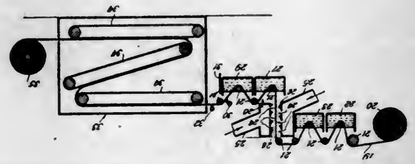
1. A device for protecting the user from noise and the effects of noise which comprise a disk-like carrier having a centrally disposed offset portion forming a cup-like recess, and a member, having a circular web-like portion and an annular envelope of yieldable material, the maximum diameter of which is substantially the same as the maximum diameter of said carrier, extending radially from the outer periphery of said web-like portion, and having a filling of soft resilient material adapted to expand said envelope into a bearing surface extending laterally from the plane of said web-like portion, and disposed relatively to the carrier so that said web-like portion is substantially concentric with and overlying the cup-like recess of said carrier, and means for attaching said member to said carrier positioned a substantial distance from the outer periphery of the envelope portion of said member to permit the outer portion of said envelope to have a substantially swinging action in a plane normal to the plane of the carrier.

2,345,843
FRUIT JUICING MACHINE
Harold F. Watkins, Oakland, Calif.
Application March 28, 1942, Serial No. 436,557
12 Claims. (Cl. 146—3)



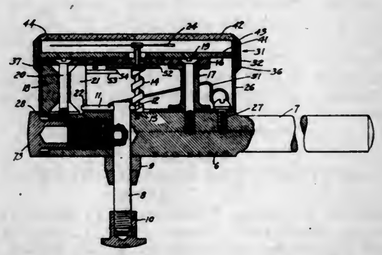
1. In a fruit juicing machine, an inverted truncated cone unit to initially support a fruit to be severed, said unit comprising a pair of separate cone elements and means mounting the elements for outward and downward movement, a knife to sever a supported fruit vertically in a plane between the cone elements, cups to engage the severed fruit on opposite sides when the cone elements are lowered, juicing burrs, means mounting the cups for movement from adjacent the cone elements to adjacent the burrs, means to actuate the cone mounting means including a pivoted lever having a cam engaging element thereon, means to actuate the knife including another pivoted lever having a cam engaging element thereon, means to actuate the cup mounting means including a third pivoted lever having a cam engaging element thereon, a rotary cam disc and separate cam tracks for the respective lever elements mounted on said disc.

2,345,844
RESILIENT MESH MATERIAL
Howard F. Weiss, deceased, late of Madison, Wis., by Nelle E. Weiss, executrix, Madison, Wis., assignor, by mesne assignments, to Research Products Corporation, Madison, Wis., a corporation of Wisconsin
Application May 6, 1941, Serial No. 392,108
17 Claims. (Cl. 117—98)



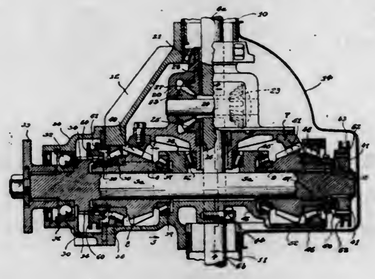
11. The method of making a resilient sheet-form product, which comprises coating slitted and expanded sheet material from the group consisting of fibrous and cellulose base materials with an aqueous dispersion of rubber, blowing gas through said coated sheet material to open apertures thereof which may have been filled by said dispersion, contacting said coating with a rubber coagulating agent, and subsequently water washing and drying said coated sheet material.

2,345,845
DIAL TEST INDICATOR
Earl J. Wells, Comptche, Calif.
Application March 20, 1943, Serial No. 479,893
2 Claims. (Cl. 33—172)



1. In a dial test indicator of the class described, the improvement consisting in a casing having a base, a plate, spacers supporting said plate above said base and in said casing, screws extending through said spacers from said plate into said base to secure said plate and base together with said casing, a dial and cover glass unit mounted and supported for rotation on said casing and on said plate.

2,345,846
DRIVING AXLE
Ernest E. Wemp, Detroit, Mich.
Application January 23, 1943, Serial No. 473,338
1 Claim. (Cl. 74—311)

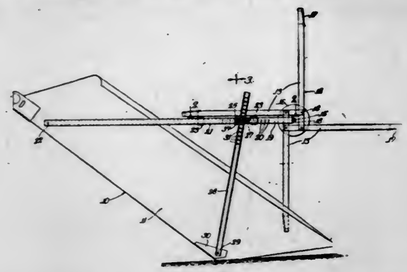


A driving axle for an automotive vehicle comprising, an axle housing having two tubular housing parts and an intermediate enlarged housing part, the intermediate enlarged part having a forward opening, aligned axle shafts in the two tubular housing parts, a sub-assembly comprising a carrier member, a unit including a ring gear of the hypoid type and a differential gear set journalled in the carrier member, a pinion journalled in the carrier member having teeth meshing with those of the ring gear, a second pinion journalled in the carrier having teeth meshing with those of the ring gear, said pinions being positioned to engage the ring gear on opposite sides of its axis, said pinions being disposed on the same axis and being of the hypoid type so that the projection of their axes is disaligned relative to the axes of the two axle shafts, a drive shaft rotatably mounted in the carrier member and extending rotatably through the two pinions on their axes and crossing the line of axis of the axle shafts, clutch means associated with each pinion and the drive shaft, control means mounted on the carrier member and operable on the clutch means to selectively connect one pinion to the drive shaft and disconnect the other pinion from the drive shaft, said sub-assembly adapted to be passed into the forward opening of the enlarged housing part and the carrier member adapted to be secured to the enlarged housing part to close the forward opening and to position the axis of the ring gear on the axis of the two axle shafts and means connecting the two axle shafts to the differential gear set, one of the axle shafts crossing the driving shaft.

2,345,847
REEL LOCKING DEVICE
Edward C. Wink, Battle Creek, Mich., assignor to Oliver Farm Equipment Company, a corporation of Delaware
Application August 31, 1942, Serial No. 456,841
1 Claim. (Cl. 56—221)

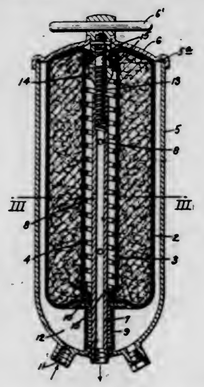
A locking device for a harvester reel comprising in combination, a frame, a reel, a substantially horizontally extending member pivoted at one end to said frame, an extensible reel supporting bar carried by said first named member, a substantially vertically extending member pivoted at one end to said frame, there being perforations in said members and bar, a bracket secured to said first named member and slidably receiving said second named member

and a single locking pin carried by said bracket and adapted to engage the apertures in said



members and bar for locking said reel in various positions of adjustment.

2,345,848
OIL CONDITIONER
Charles A. Winslow and Laurence L. Moore, Oakland, Calif., assignors to Winslow Engineering Co., Oakland, Calif., a partnership consisting of Charles A. Winslow, Catherine B. Winslow, Laurence L. Moore, and William G. Nostrand
Application May 26, 1941, Serial No. 395,224
5 Claims. (Cl. 210—140)



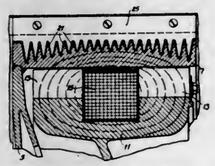
1. The combination in an oil conditioning apparatus, of a cylindrical casing with a removable cover, a central perforated outlet tube in the casing and extending upwardly and centrally therein, said tube closed at one end, a hollow, tubular purifying cartridge surrounding the tube and out of contact therewith except at the lower end where it is in sealing contact with the tube to prevent oil from by-passing the cartridge, said cartridge being of substantially less diameter than the casing so as to leave an annular oil space entirely around the cartridge, an oil inlet into said annular oil space, a coil spring surrounding the outlet pipe and seated on the bottom of the casing, a washer resting on said spring and the cartridge seating on said washer and against the cover to prevent by-passage of the cartridge at its upper end, said spring being on compression when the cover is in place on the casing, means for holding the cover in place on the casing, and means carried by said last named means engaging the cartridge thereby coupling the cartridge and the cover so that the cover and the cartridge may be removed from the casing as a unit.

2,345,849
LUBRICANT PURIFIER
Charles A. Winslow and Laurence L. Moore, Oakland, Calif., assignors to Winslow Engineering Co., Oakland, Calif., a partnership consisting of Charles A. Winslow, Catherine B. Winslow, Laurence L. Moore, and William G. Nostrand
Application February 13, 1942, Serial No. 430,749
3 Claims. (Cl. 210—148)



1. An oil conditioner element comprising a cylindrical body with a central, cylindrical, hollow, rigid, perforate core, a tubular fabric casing having its ends secured to corresponding ends of the core, the ends of the fabric casing passing over the respective ends of the core, the means for securing said ends of the tubular fabric comprising plugs for frictionally holding the fabric against the interior of the core, and a compacted mass of filtering material within the space enclosed between the casing and core, at least one of said plugs being hollow to afford communication with the interior of the core.

2,345,850
COOLING APPARATUS
Martin P. Winther, Waukegan, Ill., assignor to Martin P. Winther, as trustee
Application April 13, 1942, Serial No. 438,797
5 Claims. (Cl. 172—284)

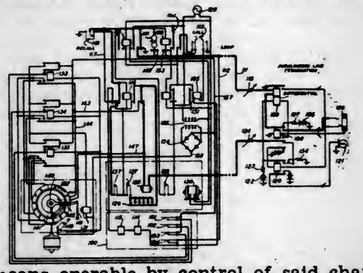


1. In an eddy-current machine, a rotary field member, a rotary armature drum cooperating therewith, at least one field coil on the field member providing flux interlinking the field member and the drum according to a certain pattern, said drum having spaced peripheral grooves of depths to provide spaced teeth which reach practically down to the pattern engendered by said flux to dissipate eddy-current heat from said pattern, and at least one comb having spaced teeth complementary to said grooves and extending therein for wiping out warm air from the grooves in the drum.

2,345,851
TELETYPEWRITER SWITCHING SYSTEM PAY STATION
Wilmarth Y. Lang, Towaco, N. J., and Fred J. Singer, Rockville Centre, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 9, 1941, Serial No. 392,682
25 Claims. (Cl. 178—2)

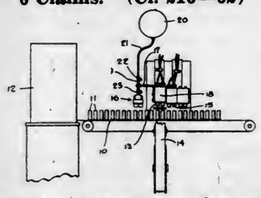
2. In a teletypewriter switching system, a local telegraph station, a central switching station, a telegraph path connecting said stations and means connected to said path responsive to the depositing of a coin in a coin collection device at said local station for recording the denomination of said coin at said central station.

23. A permutation code transmitter in combination with a coin controlled circuit changer



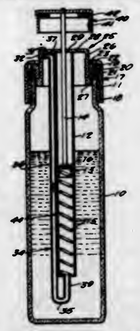
and means operable by control of said changer by a coin to cause said transmitter to send a permutation code.

2,345,852
SHOT SHELL SEALING
Carl M. Langkammerer, Wilmington, Del., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 10, 1942, Serial No. 438,423
6 Claims. (Cl. 216—62)



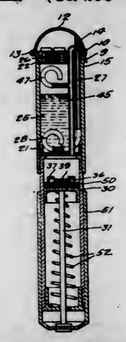
1. The method of securing a thermoplastic adhesive seal to a wax-impregnated paper body comprising the steps of applying a solvent for the adhesive of said seal to said body, pressing said seal into contact with the solvent coated surface of said body to preliminarily secure the seal thereto and subsequently applying a heated plunger to said seal to permanently affix said seal by heat to said wax-impregnated paper body.

2,345,853
POCKET SPRAY DEVICE
Samuel L. Margolies, Brooklyn, N. Y.
Application September 9, 1940, Serial No. 355,920
4 Claims. (Cl. 299—89)



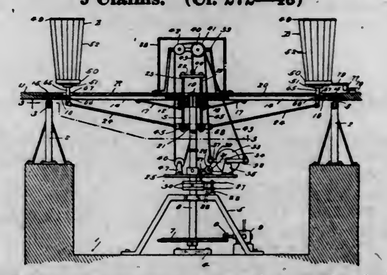
1. A pocket device for producing a liquid spray including a liquid container comprising a tube interiorly threaded at the top thereof and closed at the bottom, an air chamber in said container having a piston and plunger, a cap over the top of said tube comprising an exteriorly threaded cylindrical portion which cooperates with said interiorly threaded top of said tube, an inwardly extending portion forming an annular shelf, an upwardly extending cylindrical portion and a horizontal portion through which extends said plunger, and means for forcing a fine spray of liquid from said container by operation of said piston, said means extending through said horizontal portion of said cap.

2,345,854
POCKET SPRAY DEVICE
Samuel L. Margolies, Brooklyn, N. Y.
Application September 10, 1940, Serial No. 356,151
1 Claim. (Cl. 299—89)



A pocket atomizer comprising a pair of members separably connected end to end, the first of said members having storage means for storage of liquid, the second of said members having air compressing means including a piston, a plunger to operate said piston, said plunger having a cap, said cap comprising a cylindrical member snugly slidable over said second member to actuate said piston, means in said first member to conduct air compressed by said air compressing means under high velocity to the end of said first member remote from the connective end of said member, a tube in communication with the lower portion of said storage means and mounted in atomizing relation to said air conducting means at the end of said first member remote from its connected end, said air conducting means having communication with said liquid storage means in the upper part thereof.

2,345,855
AMUSEMENT APPARATUS
Edmondo Mecchi, Brooklyn, N. Y.
Application December 12, 1941, Serial No. 422,749
9 Claims. (Cl. 272—48)



1. In an amusement apparatus, a fixed platform, a rotor supported for rotation with respect

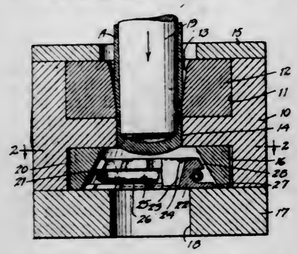
to the platform and in a substantially horizontal plane, a passenger basket, means for mounting the basket on the rotor for travel, with the rotor, in an orbit, and for rotation about an individual, upright axis, a wiper, and means for mounting the wiper on the platform, for adjustment at the will of an operator, out of engagement with the periphery of the basket, and into engagement therewith thereby to impart rotation to the basket about said individual axis.

2,345,856
TIMBER CONNECTOR
James E. Myer and Harry G. Uhl, Washington, D. C., assignors to Timber Engineering Company, Washington, D. C., a corporation of Delaware
Application May 5, 1942, Serial No. 441,856
4 Claims. (Cl. 20—92)



1. A ring dowel comprising a series of relatively thick laminations of wood separated by thinner laminations of wood and a binder of phenolic condensation adhesive between said laminations.

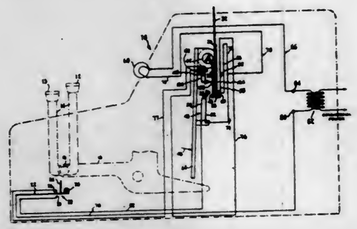
2,345,857
STRIPPER FOR SHELL DRAWING DIES
Lester S. Newell, Boulder, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application March 6, 1943, Serial No. 478,249
11 Claims. (Cl. 205—4)



1. In a drawing punch and die apparatus, stripper means comprising a plurality of separable circumferentially arranged stripper members assembled as a unitary element adapted to engage about the punch adjacent the mouth edge of the drawn article, said members being axially movable relatively to each other in conformity with the mouth edge of the drawn article.

2,345,858
APPARATUS FOR VERIFYING PUNCHINGS OR NOTCHINGS IN SHEETS
Donald A. Nevin, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio
Original application September 12, 1940, Serial No. 356,556. Divided and this application April 3, 1941, Serial No. 386,674
8 Claims. (Cl. 73—54)

1. A vertifier for a notched card comprising a support for the card, a pair of circuit closers arranged on opposite sides of the card for cooperation when a notch in the card is presented between them, a signal device in circuit with said circuit closers, a selecting switch cooperating with each of the pair of circuit closers, an operating key for actuating the selecting switch, said selecting switch normally connecting one of said circuit closers to a source of current, operation of said key serving to actuate said selecting switch to



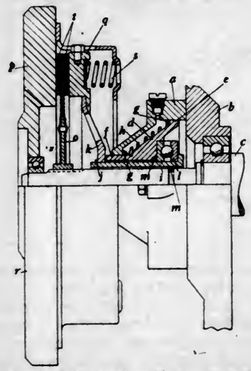
disconnect the normally connected circuit closer from the current source and connect the other of said circuit closers to the source of current, one of said circuit closers being relatively movable towards said card whereby contact with the material of the card will close the relatively movable closer and registration with an opening in the card will close the opposed circuit closer.

2,345,859
AIR SCRUBBER
Frank M. Randolph, Ajo, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 350,030
10 Claims. (Cl. 183—21)



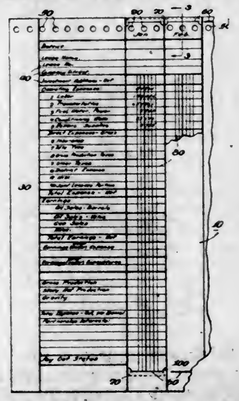
1. Apparatus for separating particulate matter from gas streams, said apparatus comprising an inlet duct, a series of diverging chambers disposed in substantially vertical alinement below said duct for receiving gas from said duct, said chambers having openings therebetween, the respective chambers being terminated by baffle means at progressively decreasing angles to the horizontal for providing progressively increasing resistance to the downward passage of said gas to assist in directing gas upwardly to said openings, each of said baffle means having an orifice of an area at least as great as that of said duct.

2,345,860
MEANS FOR ACTUATING THE CLUTCHES OF MECHANICALLY PROPELLED VEHICLES
Poul Arne Scott-Iversen, Chesford Grange, near Kenilworth, England, assignor to The Rover Company Limited, Chesford Grange, near Kenilworth, Warwickshire, England
Application November 12, 1942, Serial No. 465,342
In Great Britain September 27, 1941
3 Claims. (Cl. 192—85)



1. Vehicle clutch actuating means comprising the combination of a cylinder adapted to be mounted concentrically with the axis of the clutch, a piston slidable within and wholly enclosed by the cylinder and operable by liquid under pressure applied to one side of said piston, the opposite side of said piston having a recess therein, a rotatable and slidable bush adapted to transmit motion from the piston to the clutch releasing means, and a thrust bearing accommodated in the piston recess and situated between one end of the bush and the piston and in a region which can be amply supplied with lubricating oil.

2,345,861
TABULAR COLUMN LEAF
Ward Shaver, Tulsa, Okla., assignor to Skelly Oil Company, Tulsa, Okla.
Application January 30, 1943, Serial No. 474,138
2 Claims. (Cl. 283—66)

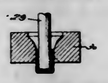


1. In an article of the character described, a main sheet provided near one edge thereof with a permanent record column of the names of a multiplicity of items, said sheet having a series of holes adjacent another edge thereof which is perpendicular to the first mentioned edge, the sheet also being provided with a plurality of additional appropriately designated column spaces arranged side by side and in parallel relation to the permanent record column, the main sheet having slits therethrough arranged adjacent to an edge of the sheet that is parallel to the edge where the holes are arranged, strips associated with said column spaces and each having an end thereof extending through one of the slits, the opposite ends of the strips having holes registering with holes in the main sheet, each strip being adapted to receive data relating to the items one the record column of the main sheet.

2,345,862
FREE-FLOWING SULPHUR
Fairleigh E. Smith, Harlingen, Tex.
No Drawing. Application March 14, 1941, Serial No. 383,451
1 Claim. (Cl. 23—224)

A dry pulverulent composition of matter having the tenacious and weather resisting surface coating characteristics of pure sulphur dust, with the free flowing property of sulphur dust enhanced, comprising a mixture of finely divided sulphur and finely divided fuller's earth mineral oil foots, in which the proportion by weight of the foots is within a range of from 1% to 10% of the sulphur.

2,345,863
PROJECTILE
Ernest G. Whipple, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Original application March 4, 1939, Serial No. 259,842. Divided and this application April 8, 1941, Serial No. 387,405
2 Claims. (Cl. 29—1.23)



1. In making a metallic cup bullet jacket having an interior side wall portion adjacent to the base which is of greater diameter than an interior side wall portion removed from the base, the method which comprises providing a flat blank of a thickness substantially equal to the desired thickness of the major portion of the finished cup; indenting and weakening a portion of the blank which will form the interior side wall of said cup adjacent the base by using a punch with a sharp shoulder; and then forming said blank into a cup, by passing through a die and punch having a clearance substantially the same as the wall thickness of the major portion of the cup, by stretching and thinning said weakened portion adjacent said base only and maintaining the major part of said wall a thickness substantially the same as that of the blank.

2,345,864
CONDUCTOR CORE FOR WIRE ROPES AND METHOD OF MANUFACTURE
James C. Arnold, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application June 6, 1942, Serial No. 446,038
5 Claims. (Cl. 174—123)

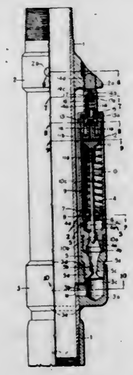
1. A conductor core for wire ropes subjected to extreme conditions of pressure and tempera-

ture, comprising; a conductor; a molded rubber covering for said conductor having high insulation properties; inner and outer sheaths of semi-insulating rubberlike synthetic material substantially insoluble in heated petroleum products covering said molded rubber; and helically wound reinforcing cords impregnated by the ma-



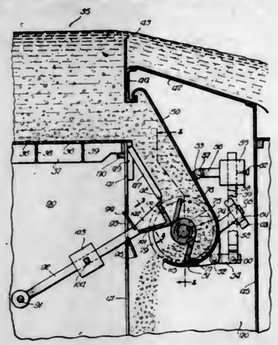
terial of said sheaths and completely embedded in their respective sheaths, the cords in one sheath wound helically in the opposite direction to the cords of the other sheath whereby, in crossing, said cords form a gridwork restraining flowing or creeping of the material comprising said sheaths.

2,345,865
DIFFERENTIAL STAGE LIFT FLOW DEVICE
Alexander Boynton, San Antonio, Tex.
Application December 8, 1939, Serial No. 308,317
8 Claims. (Cl. 137—153)



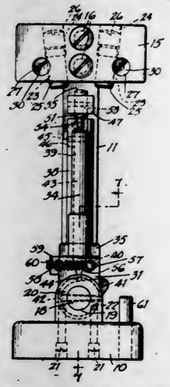
5. A well flowing device comprising a valv body having a through passageway, a shell attached to said valve body and having a metering chamber with spaced inlet and outlet openings communicating with the exterior and interior of the valve body, a piston chamber in the shell communicating with said metering chamber, a valve and piston assembly within said chambers, said assembly including a piston in said piston chamber and a valve in said metering chamber intermidate the inlet and outlet openings, connecting means between said valve and piston, there being an opening in the piston chamber beyond the piston relative to said valve, a valve seat facing the valve in the metering chamber, and resilient means normally holding the valve and piston assembly in a position with the valve member in spaced relation to the valve seat.

2,345,866
SEPARATOR AND GATE THEREFOR
Harry W. Brentz, Millstadt, Ill.
Application December 2, 1941, Serial No. 421,329
18 Claims. (Cl. 209—495)



1. In a separator having a compartment wherein material is treated to separate it according to the specific gravities of its component parts, a gate for moving said material relative to said compartment comprising two members disposed substantially in parallel to but spaced from each other and forming a downwardly extending inclined material passage, one of said passage-forming members being pivotally mounted at the upper end thereof, shield means pivotally secured at the lower end of said pivotally mounted member forming a laterally extending tray at the lower end of said passage, and operating means in said passage above said tray for moving said material onto said tray and for discharging it downwardly over the edge thereof.

2,345,867
GAUGING DEVICE
Francis G. du Pont and Luther V. Barker, Denver, Colo., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 31, 1942, Serial No. 464,046
12 Claims. (Cl. 33—143)



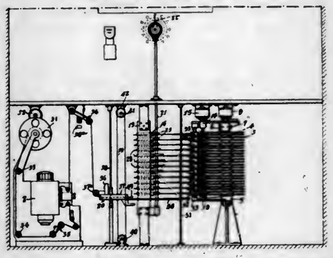
1. In a thickness gauge, a support, an article supporting anvil member rotatably mounted at one end upon said support for swinging movement, an arm member rotatably mounted upon said support coaxially with said anvil member for swinging movement therewith, a second anvil member disposed radially relative to said first anvil member and movably carried by said arm member for relative radial movement thereto, and gauge means carried by said support in contiguous relation to the path of swinging movement of said second anvil member.

2,345,868
AMMUNITION PRIMING COMPOSITION
Philip H. Burdett, Bridgeport, and Gordon M. Calhoun, Fairfield, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application May 10, 1941, Serial No. 392,944
3 Claims. (Cl. 52—4)

1. An ignition mixture containing approximately:

	Per cent
Normal lead 3:5-di-nitro-benzoate	8
Lead styphnate	40
Tetrazene	2
Lead nitrate	30
Glass	20

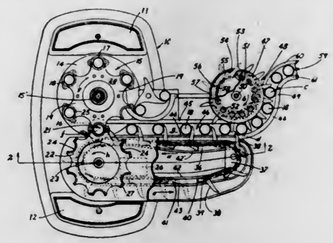
2,345,869
APPARATUS FOR EXHIBITING MOTION PICTURE FILM
William C. Edwards, Los Angeles, Calif., assignor to Albert L. Rockett, Los Angeles, Calif.
Application June 18, 1941, Serial No. 398,588
15 Claims. (Cl. 88—17)



1. A motion picture projection apparatus, including a projector having a gate through which the film to be exhibited is to pass, means for automatically opening and closing said gate, a take-up means, a threading tape connected at one end of said take-up means and movable through said gate and provided at its other end with means for making detachable connection with the selected film to be exhibited, a plurality of separate film-holding members, means for selecting a film from said holding means to be connected to said threading member, means for automatically moving said threading member for establishing said connection, and means for subsequently moving the threading member film through said gate to effect exhibition of said film, said means including means for operating said automatic gate opening means for maintaining the gate of said projector in open position while said threading member passes therethrough and for subsequently closing said gate during passage of the film through said projector.

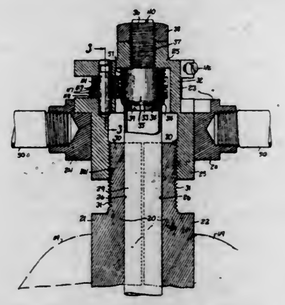
2,345,870
VARIABLE SPEED CAN FEED
Henry L. Guenther, Los Angeles, Calif.
Application January 5, 1942, Serial No. 425,623
3 Claims. (Cl. 198—22)

1. An accelerating can feed, comprising a table over which cans may travel in an upright position from a flow of cans to a can receiving station, a sprocket disposed adjacent to said can receiving station and lying in a horizontal plane, a chain cam disposed in said horizontal plane adjacent to the flow of cans, a feed chain led around said sprocket and said cam whereby a run of the chain will be in a lineal path of travel, thereafter passing along a path of travel concentric with the axis of the sprocket at one end and along a



non-circular path around the cam at its opposite end, can engaging fingers pivotally mounted upon the chain and carried therewith and being disposed in a horizontal plane, cam levers connected with said fingers, each carrying a cam roller, and a cam track along the path of travel of said rollers, whereby the free ends of the can engaging fingers will move at accelerated rates of speed from the cam to the sprocket.

2,345,871
TUBE-EXPANDING AND THREAD-ROLLING APPARATUS
August W. Hallberg, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application July 29, 1942, Serial No. 452,720
2 Claims. (Cl. 29—33)



1. Combined tube-expanding and thread-rolling apparatus, comprising: a tube-holder adapted to hold a tube in position to have an end-portion of the tube expanded and threaded; a tube-expanding-and-threading head having tube-expanding means and thread-rolling means and constructed and arranged to be movable helically endwise relatively to said tube-holder and said end-portion of the tube and cause said tube-expanding means to expand said end-portion of the tube and cause said thread-rolling means to roll threads thereon; and means for moving said head in said helically endwise direction.

2,345,872
BRIDGING PLUG DEVICE
Merida L. Hart, Chickasha, Okla., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application January 10, 1941, Serial No. 373,901
4 Claims. (Cl. 166—13)



1. A bridging plug so constructed and arranged as to be operative with either end uppermost, comprising a tubular sleeve and a tubular mandrel in telescoping relationship to said sleeve, a frusto-conical member secured to and surrounding said sleeve, slips surrounding said mandrel and arranged to be expanded into contact with a surrounding casing by said frusto-conical member upon relative telescoping movement of said sleeve and mandrel, a packing sleeve surrounding said mandrel longitudinally spaced from said slips and adapted to be axially compressed and radially expanded upon relative telescoping of said tubular sleeve and mandrel, one end of said bridging plug being provided with a threaded opening, and the opposite end of said bridging plug being provided with a threaded opening, said threaded openings in the opposite ends of said bridging plugs being of the same size and configuration whereby said bridging plug may have its respective ends reversed, and an anchor plug arranged to be received in the threaded opening in the lower end of said bridging plug.

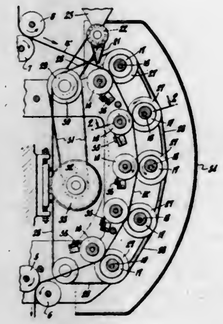
2,345,873
BRIDGING PLUG
Merida L. Hart, Chickasha, Okla., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application January 10, 1941, Serial No. 373,903
7 Claims. (Cl. 166—13)

1. A bridging plug comprising: a body member; tubular members telescoping into the ends of said body member; slip-spreading collars slidable on said tubular members and telescoping over the ends of said body member; each of said slip-spreading collars and said body member having frusto-conical slip camming surfaces, means on said tubular members adapted, when said tubular members are telescoped into said body member, to engage and cause telescoping of said slip-spreading collars; and wedge-shaped segmental slips initially secured in retracted position to said



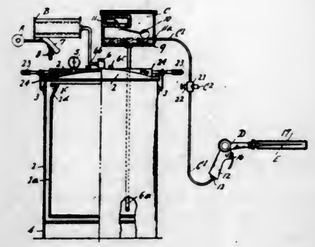
slip camming surfaces of said slip-spreading collars.

2,345,874
MECHANISM FOR TREATING FRESHLY PRINTED WEBS
Chester Holsinger, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application November 1, 1939, Serial No. 302,283
4 Claims. (Cl. 91—43)



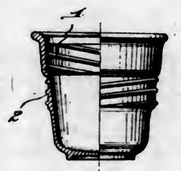
1. A mechanism for treating freshly-printed running webs, including in combination, means for positively feeding a running, freshly-printed web under tension in a generally downward direction, a plurality of freely rotating rollers located along and engaging the inner surface of said web and supporting and guiding the web in a convex path with its freshly printed side outermost, means for depositing powdered absorbent material on an outer freshly-printed surface of the running web, a plurality of buffing rollers engaging the outer powdered side of the printed web and arranged in pairs with said guiding rollers, to press the web between them, means for rotating said buffing rollers at a high speed relative to the web, and means for regulating the pressure between each buffing roller and its guide roller.

2,345,875
APPARATUS FOR REGIONAL ANALGESIA
Norman Reynolds James, Twickenham, and Henry Alfred Talley, Stanmore, England, assignors of one-fourth to Cedric Gordon Blaker, North Finchley, England, and one-fourth to Harriet Maude James, Twickenham, England
Application October 7, 1943, Serial No. 505,510
In Great Britain May 5, 1943
7 Claims. (Cl. 128—216)



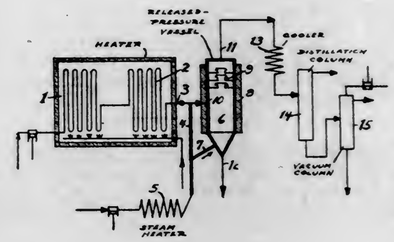
1. Apparatus for regional analgesia comprising a reservoir to contain solution, a detachable cover hermetically closing said reservoir, means for supplying compressed air to said reservoir, filter means therefor, means by which the solution is conveyed to an air trap and delivered therefrom to a valve-controlled gun associated with a hollow surgical needle.

2,345,876
CUP TO BE USED AS CAP FOR THERMOS BOTTLES
Gustaf Adolf Fredrik Kohrtz, Stockholm, Sweden
Application July 9, 1940, Serial No. 344,595
In Sweden July 15, 1939
1 Claim. (Cl. 65—13)



A cup of the type adapted to be placed in a nested relationship with a similar cup including a cup body having interlocking screw-threaded portions on the inner and on the outer side of the cup, the screw-threaded portion on the inner side of the cup being situated below the rim and the screw-threaded portion on the outer side of the cup being situated at a distance from said rim which is greater than the length of said screw-threaded portion on the inner side of said cup, the screw-threaded portions on both sides of the cup having a cylindrical form and such dimensions and shape that the screw-threaded portion on the outer side of the cup fit the screw-threaded portion on the inner side of a similar cup, the wall having a substantial thickness over 1 mm. (0.03937 inch) and being provided with an offset between the two screw threads, said offset being substantially equal to the main thickness of the wall.

2,345,877
MANUFACTURE OF LIQUID HYDROCARBONS
Walter Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignor to Standard Catalytic Company, a corporation of Delaware
Application February 14, 1940, Serial No. 318,831
In Germany January 23, 1939
9 Claims. (Cl. 196—62)



1. The process for the conversion of a hydrocarbon oil containing asphalt into pitch and a normally liquid hydrocarbon product which comprises heating the initial material to a temperature between about 400 and 470° C. under a pressure ranging from 2 to 50 atmospheres at such a rate that the time of heating from about 350° C. to the desired maximum temperature amounts to about 1½ to 3 minutes; releasing the pressure; passing the heated material upon pressure release into a vessel; introducing a hot scavenging gas into the release zone thereby maintaining the temperature of the material at not substantially lower temperature than said maximum temperature and separating the material into pitch and vaporous products; controlling the total heating time in such a manner as to cause cracking of a substantial part of the constituents boiling above 325° C. in vacuo to products boiling between 325° C. under atmospheric pressure and 325° C. in vacuo without substantial increase in constituents boiling below 325° C. under atmospheric pressure; and separately withdrawing the pitch and vaporous products from said vessel.

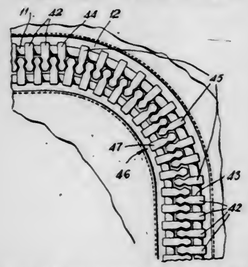
2,345,878
METHOD OF PREPARING INSULATING MATERIAL
Lewis B. Miller, Ambler, Pa., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
No Drawing. Application March 25, 1939, Serial No. 264,257
4 Claims. (Cl. 106—243)

1. The process of producing molded insulation comprising forming a mixture in water of particles of raw moldable heat-insulating material, adding to said water mix a small amount of soluble soap in the order of 1% or less of the weight of the solids in the total mixture of raw materials, adding a setting agent to the mixture to give a resultant insoluble soap, introducing a wet mixture of said ingredients into a mold and molding said mixture into desired form with said insoluble soap on the particles of insulating material in the mixture so as to reduce the drying shrinkage and the density of the molded composition as a whole.

2,345,879
TEXTILE PRINTING PASTE
Malcolm C. Moore, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 30, 1940, Serial No. 348,595
5 Claims. (Cl. 260—13)

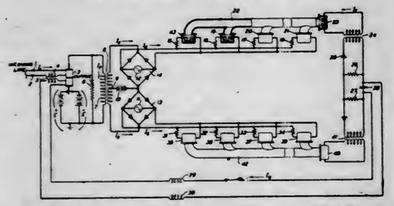
1. A textile printing paste comprising an inert water-insoluble pigment dispersed in an aqueous oil-in-water type emulsion of solids content from about 2% to about 20% by weight, the said emulsion comprising a solution of ethyl cellulose in a volatile water-immiscible organic solvent, the amount of pigment being sufficient to give the desired color and the total solids content of the said textile printing paste being not in excess of about 45% by weight.

2,345,880
CONTOUR SEPARABLE FASTENER
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application October 1, 1942, Serial No. 460,364
4 Claims. (Cl. 24—205)



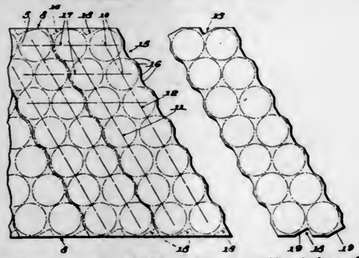
4. In separable fastener stringers having scoops of common construction, the combination with one stringer having scoops thereon with a minimum or normal spacing therebetween, of a section having scoops thereon with a wider spacing therebetween to form of that portion of coupled stringers where the section having the wider spacing of scoops is arranged, a predetermined curvature in the resulting fastener.

2,345,881
CORRECTION OF DISTORTED TELEGRAPH SIGNALS
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1942, Serial No. 442,650
10 Claims. (Cl. 178—70)



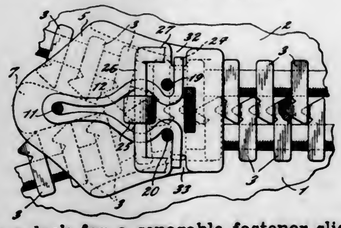
1. In a telegraph system, the method of correcting a received telegraph signal, to restore said signal to its shape as originally transmitted which comprises: impressing the output of an oscillator on a delay network in response to said received signal thereby developing a complementary signal wave and adding said complementary wave to the received signal to correct distortion in said signal.

2,345,882
SCROLL STRIP AND METHOD OF FORMING SAME
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 27, 1941, Serial No. 412,635
5 Claims. (Cl. 164—17)



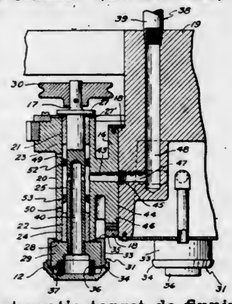
4. The method of forming scroll strips from which can ends may be cut and die-shaped, which consists in cutting successive scroll strips from a coil strip or sheet metal web by making parallel scroll line cuts thereacross at an acute angle to a longitudinal edge of said coil strip or web, which angle is determined by a line passing through the centers of the can ends to be cut from the individual scroll strips in row relation, each said scroll line cut constituting a wavy line composed of a multiple of connected straight edges and conforming generally to the outline to be defined by an adjacent row of can end punch holes to be formed in the respective scroll strip in individual closely spaced relation, certain of said connected straight edges being disposed to bear right angular relation to a longitudinal edge of said coil strip or web thereby to form gauge stop opposing edges and other of said straight edges at opposite side edges of each formed scroll strip bearing parallel relation to each other and to the longitudinal center of said formed scroll strip so as to provide straight edge scroll strip edge guide portions.

2,345,883
AUTOMATIC LOCK SLIDER
Richard G. Plumley, Glenbrook, Conn., assignor to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware
Application February 12, 1942, Serial No. 430,523
9 Claims. (Cl. 24—205.5)



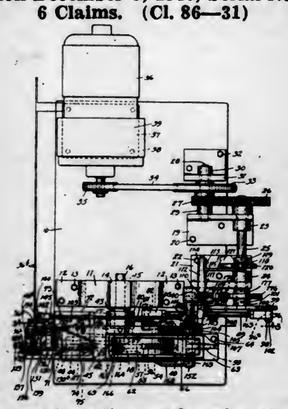
5. In a lock for a separable fastener slider, a modified V-shaped wire spring secured on top of one wing of said slider with its free ends disposed near the edges of said slider and adapted to engage the fastener elements and thus lock said slider and fastener elements together, a double cam surface formed on each arm of said V-shaped spring intermediate the ends thereof, a cam positioned between said arms and adapted to cooperate with said double cam surfaces so that upon movement thereof in either direction said arms will be forced apart to release said slider from engagement with said fastener elements, and a pull tab attached to said cam.

2,345,884
TURRET CONVEYER
William J. Powers, Jr., Ilion, N. Y., and Ford H. McBerty, Newark, Del., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 13, 1943, Serial No. 472,212
2 Claims. (Cl. 198—209)



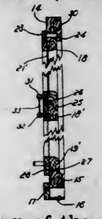
1. In an automatic target de-finning machine, a frame; a turret head supported on said frame; a sleeve carried by said turret head, said sleeve having radial apertures at opposite ends thereof open to the atmosphere; a substantially hollow spindle; spindle bearings in said sleeve adjacent said apertures for rotatably supporting said spindle, said bearings being constructed and arranged to form an annular passage in said sleeve intermediate the ends of said spindle; packing means on said spindle for sealing said passage from said bearings and said apertures whereby atmospheric pressure is positively maintained on both sides of said bearings; and suction means carried by said turret head for securing reduced pressure within said annular passage and said hollow spindle to hold a target on one end of said spindle.

2,345,885
AMMUNITION
Warren S. Reynolds, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application December 5, 1940, Serial No. 368,639
6 Claims. (Cl. 86—31)



1. In an automatic powder charger for cartridge shells, a rotatable conveyer member having a series of powder receiving pockets, drive means arranged to rotate said conveyer member intermittently through equal increments of movement corresponding to the spacing of said pockets, a powder containing hopper disposed above said conveyer member having an opening in communication with said pockets as they are moved into relation to said hopper, reciprocating plunger means constituting bases for said pockets and adapted through projecting movement to eject said powder from said pockets, a second reciprocating plunger means arranged radially of said rotatable conveyer to engage in said pockets at a point between said hopper and said ejection point to detect the amount of powder therein, and stop means for stopping the conveyer member arranged to be actuated by said second plunger means.

2,345,886
SCREEN AND STORM WINDOW
Charles Rick, Highland Park, Mich.
Application February 19, 1943, Serial No. 476,477
2 Claims. (Cl. 160—182)

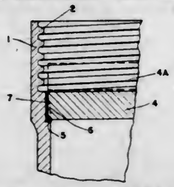


1. A construction of the class described, comprising: a supporting frame adapted for mounting in a window casing and embodying oppositely disposed side rails and oppositely disposed end rails; a pair of window frames slidably mounted in said supporting frame, one above the other, the upper window frame engaging at its lower side the upper side of the lower window frame; overlapping tongues on said engaging side of said window frames; an overlapping tongue on the upper rail of said supporting frame overlying the upper rail of the upper window frame; an upwardly projecting tongue on the upper of said window frames overlying the upper rail of said supporting frame; an upwardly projecting tongue on the lower rail of said supporting frame; a tongue on the lower rail of the lower of said window frames for engaging behind said last named tongue; a downwardly projecting tongue on the lower rail of said lower window frame overlying the upper edge of the lower rail of said supporting frame; and resilient means engageable with the upper side of the upper window frame for normally resisting upward movement of said window frames relatively to said supporting frames.

2,345,887
METHOD OF SEALING CONTAINERS
John E. Rothrock, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application April 5, 1940, Serial No. 327,991
1 Claim. (Cl. 102—24)

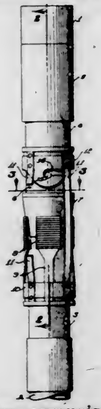
The method of producing a filled, waterproof, plastic explosive cartridge comprising a container having a shoulder at one end for receiving a plastic closure member, which method comprises positioning a mastic material on said shoulder in such a manner as to eliminate the obstructing effect of said shoulder while the container is being filled with an explosive, filling that portion of said container below said shoulder

with an explosive, and forcing a closure member, which is at a temperature substantially below that of the container onto said mastic-filled



shoulder, and permitting said closure member to expand into sealing relationship with said container.

2,345,888
LINER HANGER
Beverly H. Scott, Maywood, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application December 29, 1941, Serial No. 424,805
6 Claims. (Cl. 166—1)
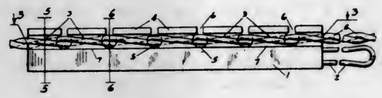


1. A liner hanger comprising: a swivel joint, one part thereof connected with a tubing string and the other part suspending a liner; a sleeve connected to said one part and extending downwardly over said other part; a slip expander carried by said sleeve; and slips for coaction with said slip expander.

2,345,889
SIGHT GLASS
Frank A. Talbot, Baltimore, Md., assignor of one-half to Robert E. Barry, Washington, D. C.
Application January 5, 1944, Serial No. 517,143
7 Claims. (Cl. 73—331)



1. A sight glass of the bull's-eye type comprising a substantially cylindrical transparent disk having a substantially diametrical groove of materially greater length than width, extending into the disk from one face thereof, the groove being of arc-shape from end to end, and an opaque surface backing said face of the disk and arranged alongside of said groove.

2,345,890
DROP WIRE TIE
Wesley A. Daniels, Wesley A. Daniels, Jr., and Leslie E. Daniels, Chaumont, N. Y.
Application December 31, 1942, Serial No. 470,874
2 Claims. (Cl. 24—129)



2. A wire connector device of the class described, comprising a flat, elongated body having a series of apertures provided therein adjacent to one long edge thereof, said apertures being equidistantly spaced apart and uniformly spaced from the edge of the body, said body also being transversely slotted along its edge to provide a corresponding series of slots leading from the long edge aforesaid into the respective apertures, thereby defining between each pair of apertures and slots a laterally extended snubbing member, said snubbing members being longitudinally aligned with each other so that a wire may be interlaced thereabout by passing the same through the slots into the apertures between the snubbing members, and the snubbing members each being provided with a recess on opposite sides thereof, with the recesses on the corresponding sides arranged in alignment with the apertures and extending longitudinally of the body so as to form a wire-receiving channel or groove along opposite sides of the body to receive the wire, with the wire extending longitudinally of the body and lying at opposite sides of alternate snubbing members, and means disposed at one end of the body for attaching the same to a support to which the wire is to be connected.

2,345,891
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application September 30, 1941, Serial No. 412,960
5 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising ortho-dichlorobenzene and lauric acid.

2,345,892
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his sucoessors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,359
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising ortho-dichlorobenzene and an agent chosen from the group consisting of diglycol laurate, propylene glycol oleate, propylene glycol laurate, sorbitol laurate, and monoglycol laurate.

2,345,893
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,360
3 Claims. (Cl. 167—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising ortho-dichlorobenzene and spermaceti.

2,345,894
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,361
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising oleic acid and an agent chosen from the group consisting of methyl chloroacetate, ethyl dichloroacetate, beta-chloroethyl chlorocarbonate, and beta-chloroethylacetate.

2,345,895
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,362
3 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising ortho-dichlorobenzene and salicylic acid.

2,345,896
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,363
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosal form comprising 3-chloroacenaphthene and an agent chosen from the group consisting of diglycol laurate, propylene glycol oleate, propylene glycol laurate, sorbitol laurate, and monoglycol laurate.

2,345,897
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,364
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising 3-chloroacenaphthene and myristic acid.

2,345,898
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,365
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising 2-chlorofluorene and an agent chosen from the group consisting of diglycol laurate, propylene glycol oleate, propylene glycol laurate, sorbitol laurate, and monoglycol laurate.

2,345,899
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,366
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising carbazole and an agent chosen from the group consisting of diglycol laurate, propylene glycol oleate, propylene glycol laurate, sorbitol laurate, and monoglycol laurate.

2,345,900
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,367
3 Claims. (Cl. 167—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising carbazole and spermaceti.

2,345,901
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,368
3 Claims. (Cl. 167—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising carbazole and salicylic acid.

2,345,902
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,369
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising thiocresol and myristic acid.

2,345,903
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,370
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising thiocresol and an agent chosen from the group consisting of diglycol laurate, propylene glycol oleate, propylene glycol laurate, sorbitol laurate, and monoglycol laurate.

2,345,904
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,371
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising 3-chlorodibenzofuran and an agent chosen from the group consisting of diglycol laurate, propylene glycol oleate, propylene glycol laurate, sorbitol laurate, and monoglycol laurate.

2,345,905
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,372
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising oleic acid and thiocresol.

2,345,906
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,373
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising lauric acid and an agent chosen from the group consisting of methyl chloroacetate, ethyl dichloroacetate, beta-chloroethyl chlorocarbonate, and beta-chloroethylacetate.

2,345,907
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,374
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising an agent chosen from the group consisting of diglycol laurate, propylene glycol oleate, propylene glycol laurate, sorbitol laurate, and monoglycol laurate and another agent chosen from the group consisting of methyl chloroacetate, ethyl dichloroacetate, beta-chloroethyl chlorocarbonate, and beta-chloroethylacetate.

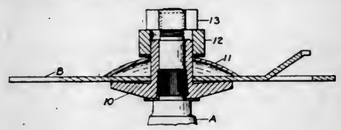
2,345,908
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,375
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide in aerosol form comprising oleic acid and 3-chloroacenaphthene.

2,345,909
SYNERGISTS TO AEROSOL INSECTICIDES
William N. Sullivan, Washington, D. C., and Lyle D. Goodhue, Berwyn, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Original application September 30, 1941, Serial No. 412,960. Divided and this application January 7, 1944, Serial No. 517,376
3 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

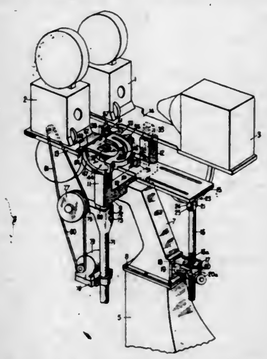
1. An insecticide in aerosol form comprising lauric acid and 3-chloroacenaphthene.

2,345,910
CONNECTION FOR ELEMENTS OF ROTATABLE UNITS
Cecil C. Fawcett, Philadelphia, Pa., assignor to the United States of America, as represented by the Secretary of War
Application January 4, 1939, Serial No. 249,262
2 Claims. (Cl. 161—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



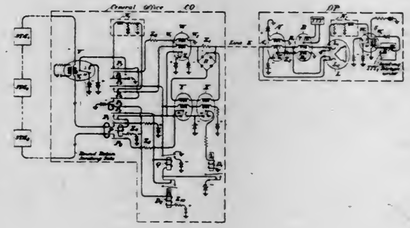
1. In a clockwork time fuse, a shaft having a shoulder and a tapered collar with its maximum diameter adjacent to and spaced from the shoulder, said collar provided with serrations, a bushing having an internal diameter less than the diameter of the serrated collar, said bushing moved into position against the shoulder whereby the serrations cut into the bushing, an annular flange on the bushing, a disk mounted on the bushing and supported by the flange, a resilient washer engaging the disk, and means on the shaft for holding and exerting pressure on the washer.

2,345,911
DOUBLE-HEADED MOTION PICTURE PROJECTOR SUPPORTING MEANS
Joseph Adorno, Columbus, Ohio
Application November 3, 1942, Serial No. 464,358
2 Claims. (Cl. 248—11)



1. Apparatus of the type described comprising a single supporting base, means for supporting a pair of moving picture projecting machines on said single base in side by side relationship, means for supporting lamp housings in axial alignment with said machines, said supporting means including a platform for supporting one of said machines and one of said lamp housings in substantially fixed relationship and a platform for supporting the other of said machines and the other of said lamp housings, said platform comprising a machine supporting section and a lamp housing supporting section, said latter section being mounted to resist lateral movement, said machine supporting section being mounted for swinging movement relative to said other section, said section having a rearwardly extending portion, a U-shaped member rigidly held by the lamp housing section, means for holding the rearwardly extending portion in the U-shaped member so as to permit it to swing in an arcuate path to a position at right angles to its normal position.

2,345,912
TELETYPEWRITER SWITCHING SYSTEM
Russell Jacob Anspach, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 6, 1941, Serial No. 409,768
7 Claims. (Cl. 178—2)

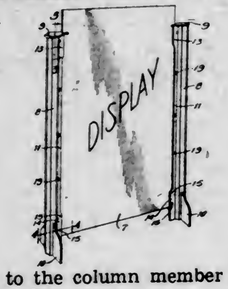


1. In a teletypewriter system, the combination of a plurality of distant stations, a central office connected in a complete unidirectional loop with said distant stations to comprise a round robin system, an outlying station, a single line conductor connecting the central office with the outlying station, a teletypewriter at the outlying station, means for receiving over the conductor extending to the teletypewriter of the outlying station all messages reaching the central office, sending apparatus at the outlying station, a control relay, and means for operating said control relay for cutting said sending apparatus into said loop extending to said distant stations, said means including means for transmitting messages over said conductor through the central office to the distant stations.

2,345,913
TWO-WAY DISPLAY STANDARD
Robert B. Bishop, Evanston, Ill., assignor to Bishop Publishing Company, Chicago, Ill., a corporation of Illinois
Application September 21, 1942, Serial No. 459,097
6 Claims. (Cl. 40—125)

1. A display device, comprising a sign card, a tubular column member having spaced longitudinal flanges to embrace an edge of said sign

card, and a cap having a plug fitting the upper end of said column member and having a flange



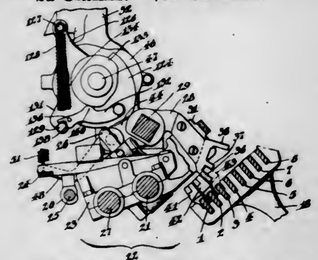
transverse to the column member slotted to fit said sign card.

2,345,914

YARN CARRIER ROD OPERATING MEANS FOR STRAIGHT KNITTING MACHINES

Gottlob Bitzer, Lincoln Park, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application March 27, 1942, Serial No. 436,414
21 Claims. (Cl. 66—127)



1. In a straight knitting machine, the combination with a plurality of yarn carrier rods, driving mechanism for said rods, and a selector mechanism comprising selector elements forming part of said driving mechanism and effective to connect the latter with the rods in determined order beginning with a selector element and a certain carrier rod, of means for rendering said driving mechanism ineffective until said selector element is in position to engage said certain carrier rod.

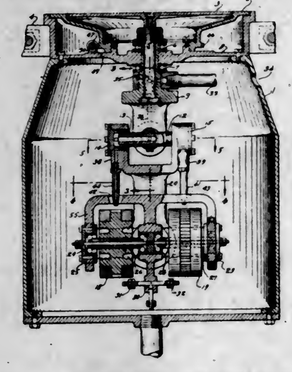
2,345,915

DIRECTIONAL GYRO INSTRUMENT

Bert G. Carlson, Erieside, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application July 28, 1942, Serial No. 452,607
4 Claims. (Cl. 33—204)

1. In a directional gyro, a housing, a support carried by said housing for pivotal movement about a normally vertical axis, a frame, bearing means pendulously suspending said frame from said support for universal movement about mutually normal, horizontal axes, a gimbal pivoted in said frame below said bearing means for pivotal movement about a normally horizontal tilt axis, two gyro rotors carried by said gimbal for spinning about a common normally horizontal axis normal to said tilt axis, jet means for spinning the respective rotors fixed to said frame, each jet means terminating adjacent its respective rotor in a vertical plane through the spin axis whereby, when the gimbal and rotors tilt relatively to the frame, the separation of the jets from the respective rotors is differentially varied, and relatively movable means carried by



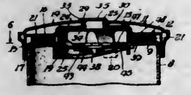
said support and housing for indicating the azimuthal position of said spin axis relatively to said housing.

2,345,916

CAP FOR GASOLINE TANK FILLER PIPE

Willard F. Clark, Oak Park, and Benjamin Jelinek, La Grange, Ill., assignors to Monarch Tool & Machinery Co., Chicago, Ill., a corporation of Illinois

Application February 25, 1942, Serial No. 432,294
2 Claims. (Cl. 70—172)



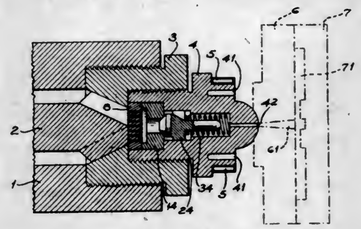
1. A locking device for use with a cap for a filler pipe having at the inlet end thereof an inwardly extending flange with diametrically opposite notches therein, the cap comprising a cup-shaped body adapted to fit over, and be turned relatively to, the inlet end of the pipe, said locking device comprising an attaching member fixedly secured within the central portion of the interior of the body and provided with a pair of oppositely disposed spaced apart depending side walls and in addition a pair of oppositely disposed outwardly extending fingers disposed respectively in the spaces between the ends of the side walls and adapted, when the body is fitted onto the inlet end of the pipe and then turned, to pass first through the notches in the inwardly extending flange and then swing under the flange into an operative position wherein they serve to secure the body in place, a supporting strip extending between, and having the ends thereof secured to, the side walls of the attaching member, and a key controlled lock bolt disposed in parallel relation with, and slidably mounted on the upper face of, the supporting strip, provided at the sides thereof with depending opposed L-shaped ears in straddled and underlying relation with the side margins of said strip, and adapted when the body is held in place by the fingers of the attaching member to be shifted by the key back and forth between a locked position wherein one end thereof projects through a hole in the adjacent side wall into interlocked relation with one of the notches and an unlocked position wherein said one end is out of interlocking relation with said one notch.

2,345,917

INJECTION MOLDING OF PLASTICS

Raphael T. Coffman, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 4, 1941, Serial No. 413,659
2 Claims. (Cl. 18—30)



1. An injection molding machine comprising a heating cylinder from which heated plastic to be injected into a mold is forced, a nozzle block in communication with the exit end of said heating cylinder, and a valve mounted in said nozzle block, said valve comprising a valve seat, a valve plug movable in a direction parallel to the direction of flow of plastic through said nozzle block and positioned on the side of said valve seat adjacent the exit end of said nozzle block, and spring means applying a seating thrust on said plug opposite in direction to the flow of plastic through said nozzle block, said seating thrust being less than the thrust of plastic forced from said heating cylinder.

2,345,918

METHOD OF MAKING SHROUD STRUCTURES

Hans P. Dahlstrand, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application May 14, 1941, Serial No. 393,317
2 Claims. (Cl. 29—156.8)



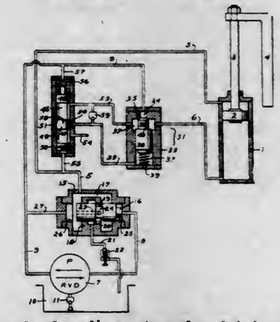
1. A method of shrouding a turbine blade shaped to present a single surfaced end which comprises providing a shroud strip having a substantially plain fluid confining surface, forming therein an elongated opening which is nearly as long as the distance between the inlet and outlet edges of the blade at the single surfaced end thereof depressing the opposite side edges of said opening a distance approximately equal to the thickness of the shroud strip to form spaced opposed portions projecting inward from the plain surface thereof and shaped to conform with the configuration of an intermediate and major portion of said single surfaced end of the blade as it appears in a plan view thereof, placing the shroud strip on the single surfaced end of the blade so that portions of the under side of said strip adjacent the ends of said opening engage portions of said end of the blade adjacent the inlet and outlet edges thereof with the major portion of said end extending between and terminating substantially flush with the proximate surface portions of said depressed side edges thereby forming an elongated recess having as its bottom surface the major portion of the said end of the blade, and uniting the shroud to the blade by depositing weld metal in said recess to substantially fill the same.

2,345,919

HYDRAULIC DRIVE

Richard E. Davis, Wauwatosa, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 4, 1940, Serial No. 322,099
12 Claims. (Cl. 60—52)



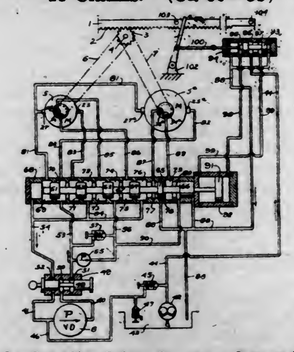
10. In a hydraulic system for driving in opposite directions a load which is constantly urged in one of said directions, the combination of a hydraulic motor connected to said load and having a first port and a second port interchangeable for the admission and discharge of liquid to and from said motor, said load exerting upon said motor a force tending to operate it in a direction to cause it to discharge liquid through said second port, a pump, means for directing liquid from said pump to said ports selectively to cause said motor to drive said load in opposite directions selectively, a valve connected to said second port and adapted when closed to prevent the discharge of liquid therefrom and thereby cause said load to create pressure at said second port, a piston operable by said pressure to hold said valve closed to thereby prevent said load from operating said motor, and means operable in response to said pump delivering liquid to said first port for causing said piston to fully open said valve.

2,345,920

HYDRAULIC DRIVE

James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application December 29, 1939, Serial No. 311,479
15 Claims. (Cl. 60—53)



1. A hydraulic drive for an element, comprising a first and a second rotary hydraulic motor mechanically connected to said element to drive the same and each having two ports, a pump for supplying liquid to said motors to energize the same, means for connecting one port of each

motor to said pump to cause the liquid discharged thereby to energize both motors simultaneously and enable them to drive said element in one direction at a predetermined speed, means for connecting the other port of said first motor to said pump to cause the liquid discharged thereby to reverse said first motor and enable it to drive said element in the opposite direction at a higher speed and to also drive said second motor, and means operable simultaneously with said last named means for rendering said second motor incapable of pumping liquid.

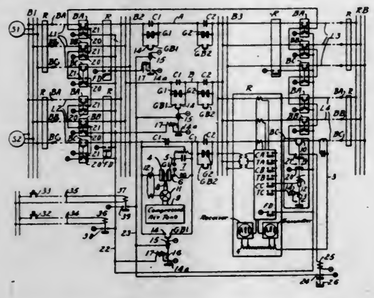
2,345,921
THERMOHYDROMETER.
Leo Edelmann, Chicago, Ill.
Application June 30, 1941, Serial No. 400,470
5 Claims. (Cl. 265—46)



1. A thermohydrometer adapted for use in testing a plurality of liquid solutions having different specific gravity characteristics comprising a liquid and float receiving barrel, a float element in said barrel, a suction bulb at the upper end of said barrel, an extension housing at the lower end of said barrel of greater diametral extent than said barrel having a liquid chamber therein and provided with a liquid inlet thereto, a polygonally shaped head on the upper portion of said extension housing, said extension housing having an opening through the top thereof into the liquid chamber at a point medially of one of the flat sides of said polygonal head, a thermometer mounted in said opening with temperature influenced portion exposed within the liquid chamber and an indicating portion extending up alongside of the barrel, a second polygonal head around said barrel spaced upwardly from the first-mentioned head, said polygonal heads having marginal grooves in the opposed faces thereof, scale carrying panels fitted in said grooves and between the two heads with one of said panels disposed adjacent to the indicating portion of the thermometer, and bolts drawing said heads together to retain said panels in place.

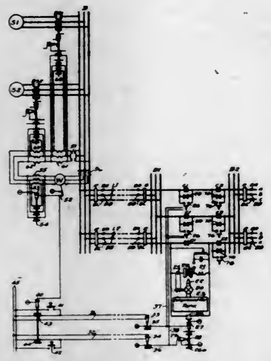
2,345,922
VARIABLE SERIES CAPACITOR FOR STABILITY
Robert D. Evans, Swissvale, and Alexander C. Monteith, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 6, 1942, Serial No. 446,078
22 Claims. (Cl. 172—237)

6. A multi-circuit polyphase transmission-system including a series-capacitor station having a pair of polyphase buses, a plurality of controlled series-capacitor elements, one for each phase of the transmission-system, connected between the corresponding phases of the two buses, a plurality of line-sectionalizing breakers for connecting the ends of a plurality of line-sections to at least one of the aforesaid buses, a capacitor-shunting breaker associated with each of the aforesaid series-capacitor elements, fault-



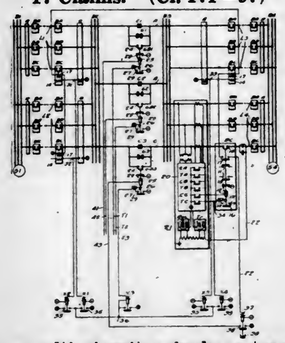
detector means associated with said transmission-system for effecting an opening-operation of all of the aforesaid capacitor-shunting breakers, and time-delay means responsive within a predetermined time-interval to a closing operation of the last one of a plurality of line-sectionalizing breakers for effecting a closing-operation of all of the aforesaid capacitor-shunting breakers.

2,345,923
SERIES-CAPACITOR CONTROL TO AVOID HUNTING
Robert D. Evans, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 6, 1942, Serial No. 446,079
13 Claims. (Cl. 172—238)



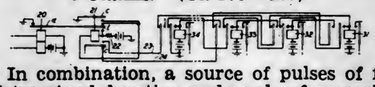
1. An alternating-current system including a transmission-line, series-capacitance normally in circuit therewith, and means approximately responsive to the loading-conditions of the system for by-passing some or all of the series-capacitance during light-load system-conditions and for removing said light-load by-pass under system-conditions accompanied by heavier loading-conditions.

2,345,924
SERIES-CAPACITOR SINGLE-POLE SWITCHING
Robert D. Evans, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1943, Serial No. 484,161
17 Claims. (Cl. 171—97)



17. In a multi-circuit polyphase transmission-line having a plurality of parallel-connected line-conductors of each phase, single-phase means for at times disconnecting a selected line-conductor of a selected phase, and means for subsequently reconnecting the disconnected line-conductor, the stability-increasing improvement comprising a series-capacitor station comprising capacitor-controlling circuit-interrupters in series with the several phase-conductors of the line, said capacitor-controlling interrupters being normally closed in the normal operating-condition of the line, one or more normally disconnected capacitors, phase-selective means, responsive to said conductor-disconnecting means, for first connecting a capacitor across a capacitor-controlling circuit-interrupter in another parallel-connected line-conductor of the same phase, and then opening said capacitor-shunted interrupter, and means responsive to said conductor-reconnecting means, for first reclosing the opened interrupter, and then disconnecting the connected capacitor.

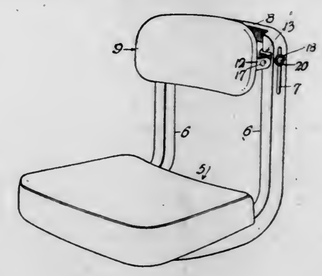
2,345,925
PULSE-COUNTING CIRCUIT
Enoch B. Ferrell, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1941, Serial No. 417,322
5 Claims. (Cl. 175—320)



1. In combination, a source of pulses of fixed predetermined duration and a relay for receiving said pulses, said relay having a locking contact and a timed transfer contact, the time of travel of said transfer contact adjusted to overlap an operating pulse and cause the closure of the alternate contact after the termination of said operating pulse.

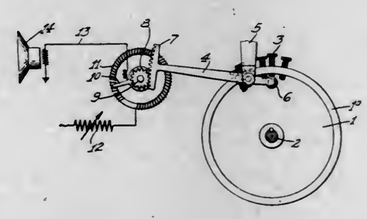
2,345,926
BACK REST FOR CHAIRS
Frank D. Fields and Glenn D. Wood, Elkhart, Ind., assignors to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Application June 3, 1942, Serial No. 445,568
2 Claims. (Cl. 155—157)

1. A back rest for chairs embodying therein laterally spaced, substantially upright supporting members each having a relatively wide front face, a link associated with each supporting member and including an intermediate transverse portion and substantially right angled oppositely extending front and rear arms at the ends of said intermediate portion, the rear arm of each link being disposed adjacent one side of the associated supporting member with the intermediate portion of said link extending transversely of and in close proximity to said relatively wide



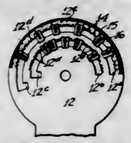
front face of said supporting member, a member operatively engaged with the rear arm of each link and mounted on an associated supporting member for adjustment longitudinally thereof, a back rest disposed to the front of said supporting members, and means providing a horizontal pivotal connection between the back rest at points spaced inwardly from the ends thereof and the front arms of both links and about which the back rest is capable of a limited rocking action.

2,345,927
VOLUME CONTROL APPARATUS FOR RADIO RECEIVERS
Robert B. Foster, Los Angeles, Calif., assignor to John B. Smiley, New York, N. Y.
Original application May 28, 1938, Serial No. 210,664. Divided and this application October 26, 1940, Serial No. 362,949
4 Claims. (Cl. 250—20)



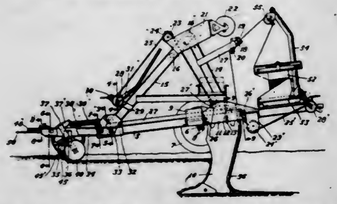
1. A device for controlling the volume of sound from a radio receiver which is adapted to receive signals of varying strength, comprising tuning means, a signal receiver, a volume control for controlling the signal receiver, an adjustable rotatable cam synchronized with the tuning means and comprising staggered radial screws carrying cam elements at their ends, the alternate screws being arranged in staggered relation to each other with respect to the axis of rotation of the cam, and means adapted to ride upon the ends of the screws and connected to the volume control for shifting the latter in proportion to the positions of the cam elements.

2,345,928
CONTROL MECHANISM
Robert B. Foster, Los Angeles, Calif., assignor to John B. Smiley, New York, N. Y.
Original application December 6, 1937, Serial No. 178,220, now Patent No. 2,238,894, dated April 22, 1941. Divided and this application April 21, 1941, Serial No. 389,678
16 Claims. (Cl. 200—6)



1. In a control mechanism, a selecting switch comprising a pair of relatively movable switch members, a support for holding the same in relatively movable positions, the one switch member having shiftable switch elements adjustable relative to each other, the other switch-member having means capable of successively engaging said elements, and means for automatically and positively latching each switch element into one of its shifted positions to its supporting switch member.

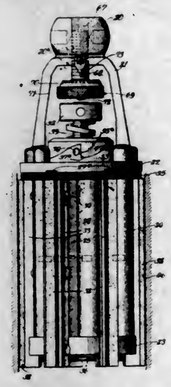
2,345,929
CONDUCTOR LAYING MACHINE
Albert Edward Freeman, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 6, 1940, Serial No. 368,807
3 Claims. (Cl. 97—82)



1. An apparatus for forming furrows, including a frame, a plow beam pivotally mounted on said frame and being provided with a plowshare, a coulter frame pivotally connected to said plow frame at the pivot point of said plow beam, a coulter blade, supporting means for said blade pivotally associated with said coulter frame, means for adjusting said plow beam to cause said plowshare to plow at selected depths, means for adjusting the height of said first mentioned pivot point to position the bottom of said plowshare at a desired angle with respect to the ground line at selected plowing depths, and spring means associated with said blade supporting means and tending to exert a rotary force thereon to automatically maintain said blade at a selected cutting depth regardless of the depth of plowing.

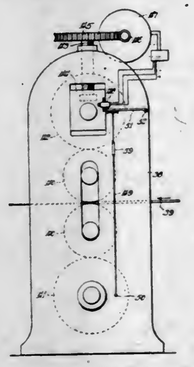
2,345,930
CYLINDER GRINDING TOOL
Charles A. Fulmer, Waukegan, Ill., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application February 18, 1942, Serial No. 431,348
17 Claims. (Cl. 51—184.3)

1. A cylinder grinding tool comprising a body, abrasive carriers mounted in said body for movement toward and from a cylinder wall to be ground, means for moving said abrasive carriers toward the cylinder wall including a member shiftable in a direction to so move said carriers, a spring compressible for shifting said member, an element carried by said member and adjustable therealong in one axial direction to initially compress said spring and shift said member to cause said carriers to initially engage the cylin-



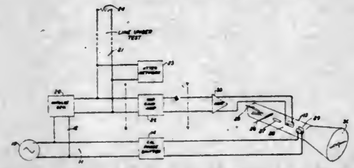
der wall, another element on said member adjustable independently of said first element to compress and hold compressed said spring to different selected extents after said carriers are initially engaged with the cylinder wall for effecting movement of said carriers toward the cylinder wall under different selected pressures during the grinding operation.

2,345,931
CONTROLLING APPARATUS
Major E. Gates, Crystal Lake, Ill.
Application December 11, 1941, Serial No. 422,477
2 Claims. (Cl. 80—56)



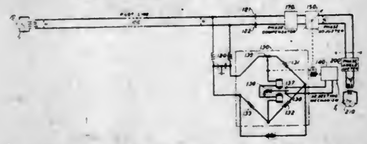
1. In apparatus for rolling sheets or the like, the combination with rolls and roll frame of mechanism for adjusting the roll spacing of electric switch means for controlling the operation of said mechanism, said roll frame being elastic and assuming the stresses developed in operation of said apparatus and elastically strained thereby, an extensometer connected to said roll frame and responsive to the strains therein for actuating said switch, said extensometer also being connected with said mechanism so that reduction of roll spacing counteracts the effect on said extensometer of elongation of said frame and vice versa, and means for relatively adjusting said extensometer and switch means to operate said mechanism to reduce roll spacing when elongation of said frame exceeds normal and to increase roll spacing when elongation of said frame is less than normal.

2,345,932
MEASURING APPARATUS
King E. Gould, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1941, Serial No. 385,241
12 Claims. (Cl. 175—183)



1. In combination, a transmission line whose impedance characteristic is to be ascertained, means to apply impulse waves of certain frequency to said line, means to indicate the magnitudes of the waves reflected from successive points of impedance unbalance along said line, and means comprising a source of alternating current waves which have a frequency synchronized with said certain frequency and which are applied to said indicating means to cause the magnitudes of the waves reflected from said line to constitute substantially a standing wave pattern that simultaneously represents the relative magnitudes of the impedance unbalance at the successive points along said line.

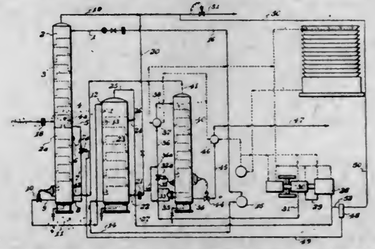
2,345,933
PHASE CONTROL IN ELECTRICAL TRANSMISSION
Estill Ibbotson Green, Millburn, N. J., and Newton Monk, Darien, Conn., assignors to American Telephone and Telegraph Company, a corporation of New York
Original application January 6, 1940, Serial No. 312,792, now Patent No. 2,284,612, dated May 26, 1942. Divided and this application March 7, 1942, Serial No. 433,712
20 Claims. (Cl. 172—238)



5. In combination, a polyphase electric power transmission system, a pilot circuit automatically compensated for variations in phase change extending between two points on the power system, and means including said pilot circuit for maintaining a constant phase relationship of the voltages on the power system at the said two points.

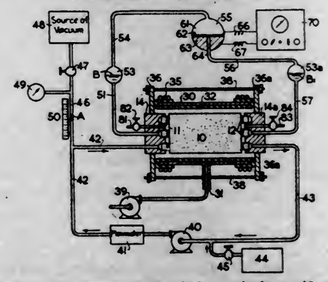
2,345,934
GASOLINE PLANT
Lon S. Gregory, Tulsa, Okla.
Application September 17, 1940, Serial No. 357,169
4 Claims. (Cl. 196—8)

1. A recycling gasoline recovery apparatus comprising a main absorber, a secondary absorber, a virgin gas line discharging into the main absorber, a pipe line connecting both of said absorbers and through which enriched oil passes to the secondary absorber, a stripper having a flash chamber therein, a pipe connecting the secondary absorber and the upper end of the stripper for passage of enriched oil to the stripper, a lean oil pipe connecting the stripper and the main absorber for discharging the lean stripped oil into the main absorber, a fractionator, a low stage compressor, a high stage compressor, a pipe connecting the stripper and the low stage compressor for conveying vaporized gasoline to the low stage compressor, a pipe connecting the compressors, a hot vapor pipe connecting the high stage compressor and the fractionator, a pipe connecting the fractionator and the sec-



ondary absorber for conveying uncondensed vapors to the absorber, a control valve in the pipe connecting the absorbers, a pressure responsive device, a pipe line connecting said control valve and the pressure responsive device, said control valve determining whether the laden oil will pass into the upper or lower end of the secondary absorber, a discharge line from the fractionator for stabilized gasoline, a stripped gas discharge line from the main absorber to the pressure responsive device, a reboiler in the fractionator, said reboiler having branch pipe connection with the hot vapor pipe connecting the high stage compressor to the fractionator, and a pipe connecting the stripped gas line to the stripper.

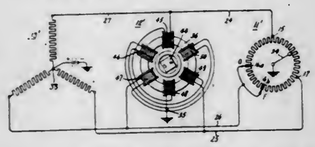
2,345,935
METHOD AND APPARATUS FOR PERMEABILITY MEASUREMENTS
Gerald L. Hassler, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 6, 1942, Serial No. 437,788
7 Claims. (Cl. 73—51)



1. In a method for determining the permeability of a porous body to fluid flow, the steps of saturating said body with said fluid to a predetermined degree of saturation, circulating said fluid through said body in a closed circuit while maintaining said degree of saturation, measuring the rate of flow of said fluid, measuring the dif-

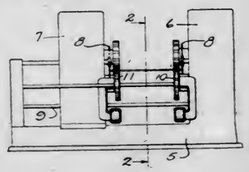
ference of pressure existing during said flow between points in said body spaced from each other in the direction of the line of flow of said fluid, changing the degree of saturation of said body, and repeating said flow and pressure measurements for said second degree of saturation.

2,345,936
TELEMETERING RECEIVER
Richard G. Jewell, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Original application January 17, 1942, Serial No. 427,081. Divided and this application April 30, 1943, Serial No. 485,238
5 Claims. (Cl. 171—95)



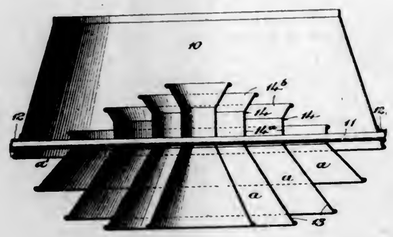
1. A receiver for a telemetering system comprising an annular core composed of permeable magnetic material, a plurality of current-conducting coils linking said core and spaced substantially symmetrically around the center of the core, said receiver being of a type in which rotary motion is reproduced in response to relative variations in the energization of the several coils about the core, and a rotor mounted within the core in inductive relation to the current conducting coils, said rotor including polarized permanent magnet material for producing a magnetic field diametrically of the core of substantially a square shaped distribution in a plane perpendicular to the axis of rotation, said rotor field being shaped to compensate for distortions in the field produced in the core by said coils thereby to improve the deflection characteristics of the receiver.

2,345,937
FEED FOR WOODWORKING MACHINES
Curt G. Joa, Sheboygan Falls, Wis., assignor to Curt G. Joa, Inc., Sheboygan Falls, Wis., a corporation of Wisconsin
Application August 1, 1940, Serial No. 349,062
13 Claims. (Cl. 144—245)



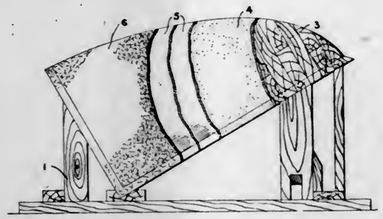
1. A machine having relatively adjustable beds and separate conveyor means mounted upon the individual beds, and a hopper comprising pairs of corner elements connected with the respective beds whereby the corner elements of the respective pairs are movable to and from each other with the respective beds to accommodate work pieces of differing length, the corner elements of each pair being also provided with means supporting them for relative adjustment with respect to each other longitudinally of the respective conveyor means upon the respective beds whereby to be adapted to accommodate work pieces of differing width.

2,345,938
AIR OUTLET DEVICE
Franz J. Kurth and Friedrich Honerkamp, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Application March 27, 1942, Serial No. 436,514
10 Claims. (Cl. 98—40)



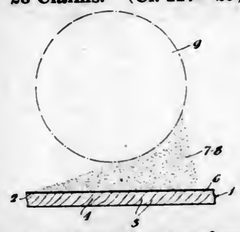
1. An air outlet device comprising an open-ended hollow flaring member for connection at its smaller or upper open end to an air supply duct, a series of successively smaller open-ended hollow flaring members spaced inwardly from said first mentioned flaring member and from each other to provide a series of flaring air passageways therebetween, pivot means having a fixed location with respect to said first mentioned member and mounting said series of flaring members for rotation to dispose either the smaller or the larger ends of said passageways upwardly in receiving relationship to air supplied to said first mentioned flaring member through the smaller or upper end thereof, and air deflecting means at the smaller ends of the flaring members of said series effective, when said series of flaring members have their smaller ends disposed downwardly, to intercept air flowing downwardly and inwardly through said passageways and to deflect it outwardly relative to its direction of flow through said passageways.

2,345,939
FLOCK-COATED DIE
Richard E. Leary, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 6, 1942, Serial No. 433,617
3 Claims. (Cl. 18—35)



1. A die for use in forming a thermoplastic sheet into articles having highly polished and smooth, three-dimensional curved surfaces, said die comprising a rigid form providing the forming surface of the die, a coating of cement on said forming surface, and a coating of flock over said coating of cement.

2,345,940
WOOD FINISHING
Edgar A. Lehman, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application December 17, 1941, Serial No. 423,322
28 Claims. (Cl. 117—29)



1. The process of treating wood surfaces which includes, coating the wood surface with an opaque paint to conceal undesirable surface discolorations, and bombarding the coated surface with fine hard granular particles coated with dry pigment powder.

2,345,941
MECHANICAL FILLING OF POROUS WOOD
Edgar A. Lehman, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application December 17, 1941, Serial No. 423,323
10 Claims. (Cl. 117—16)



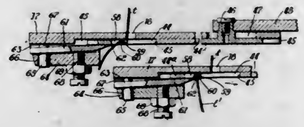
1. The method of filling the surface pores of porous wood which includes, bombarding the porous wood surface with substantially spherical shot coated or mixed with filler powder.

2,345,942
WOOD FINISHING
Edgar A. Lehman, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application January 6, 1942, Serial No. 425,729
8 Claims. (Cl. 41—39)



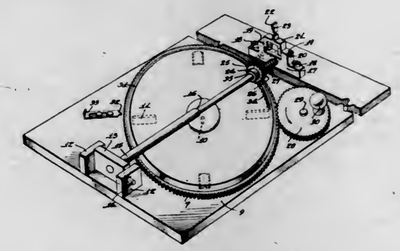
1. The process of decorating wood surfaces having differential hardness areas which includes, mixing abrasive particles with a selected pigment powder to coat the abrasive particles with the pigment powder, and centrifugally projecting the pigment coated abrasive particles against the wood surface at a low angle with respect to the surface, so as to simultaneously differentially abrade and stain the wood surface.

2,345,943
ARTICLE ATTACHING MACHINE
Michael McCann, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 3, 1942, Serial No. 457,131
10 Claims. (Cl. 112—252)



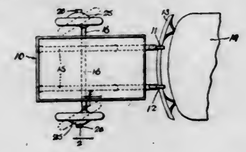
2. In a sewing machine having an endwise reciprocatory thread-carrying needle, a loop-taker cooperating with said needle in the formation of stitches and a pair of relatively movable thread-severing blades having overlapping ends affording opposed cutting edges for trimming off the beginning end of the sewing thread; the improvement which consists in the provision of a universal pivot for one of said blades and manually actuable means acting on said one of said blades, remote from said pivot, for adjusting it bodily toward the other blade and for tilting the adjusted blade about its universal pivot to effect line contact between said blades along said cutting edges.

2,345,944
CAM GEARING
Peter J. McLaren, New York, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Original application June 24, 1941, Serial No. 399,564. Divided and this application February 25, 1942, Serial No. 432,169
10 Claims. (Cl. 74—424.5)



1. In a device of the class described, the combination of a cam gear having a continuous series of gear teeth arranged in a plural turn flat spiral path, the curvature of the spiral progressively changing throughout the full length of the spiral path, said cam gear including a cam track defined jointly by the cam gear teeth and by a spaced wall portion integral with the cam gear teeth and disposed alongside the teeth, the distance between the tips of teeth of the cam gear and the top portion of said wall increasing with increase of curvature of the spiral, and a follower gear, said cam track being disposed to maintain the teeth of the follower gear in proper meshing engagement with those of the cam gear throughout the full length of the cam gear.

2,345,945
TRAILER WHEEL SUPPORTING MEANS
Floyd E. Miner, Bensenville, Ill.
Application September 10, 1942, Serial No. 457,819
9 Claims. (Cl. 280—33.4)

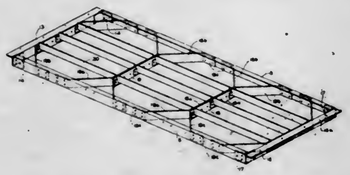


1. In a trailer wheel supporting structure, an axle, wheel spindles pivoted at each end of said axle, wheels on said spindles, means limiting the pivotal movement of said spindles, said means permitting of a wobble movement of said spindles between their limits of pivotal movement.

2,345,946
PREPARATION OF POLYVINYL ACETAL RESINS
Sidney C. Overbaugh, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 11, 1942, Serial No. 430,436
13 Claims. (Cl. 260—73)

1. Process of preparing a polyvinyl acetal resin which comprises adding, under agitation, a normally liquid saturated aliphatic aldehyde of no greater solubility in water than propionaldehyde to a water solution of polyvinyl alcohol at a temperature below 50° C. in the presence of an acid catalyst, continuing said agitation while an intermediate polyvinyl acetal resin is precipitated in finely divided form, and further continuing said agitation and heating said reaction mixture in the presence of a dispersing agent to a temperature above 50° C. until the reaction of condensation between said polyvinyl alcohol and said aldehyde has proceeded to the desired end-point.

2,345,947
SCREENING APPARATUS
Walter J. Parks, Shaker Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application March 5, 1942, Serial No. 433,415
5 Claims. (Cl. 209—408)

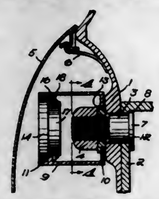


1. In a screening apparatus, a screen supporting structure comprising spaced side rails, and a plurality of longitudinally spaced beams interconnecting said side rails, each of said beams comprising a pair of elements having central portions in back-to-back relation with the backs disposed in a plane substantially perpendicular to the general plane of said structure, and diverging portions extending angularly to said central portions and connected to said side rails.

2,345,948
RESINOUS COMPOSITION
Fred G. Pellett, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 2, 1941, Serial No. 391,547
5 Claims. (Cl. 260—75)

1. A composition of matter comprising the resinous product obtained by heat-reacting a mixture of ingredients consisting of endo-methylene tetrahydro-phthalic anhydride and a polyhydric alcohol component containing an average of more than two hydroxyl groups per molecule and air-blowing the reaction mixture during at least a major portion of the resin-forming reaction period.

2,345,949
LOCKING DEVICE
Roland W. Robbins, Lincoln, Mass.
Application February 23, 1942, Serial No. 431,975
3 Claims. (Cl. 70—232)

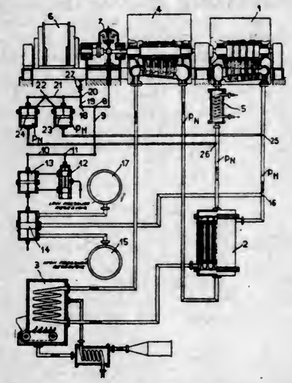


3. A locking mechanism for a wheel comprising in combination a bolt mounted in a supporting portion of the wheel, a ring member located about the bolt in spaced relation thereto, said ring member being engaged against the supporting portion of the wheel, a nut threaded about the bolt adapted to hold the ring and the bolt in fixed relation to the supporting portion, said ring having an annular flange which extends outwardly in spaced relation to the said supporting portion of the wheel, a casing enclosing the bolt, nut and ring, said casing being formed with an annular rim which is loosely supported between the said supporting portion of the wheel and the flange of the ring, the outer end of the casing having an opening formed therein, said opening being adapted to provide access to the said nut, a cylindrical block member mounted in the outer end of the casing and locking means for removably securing the cylindrical block member in the casing.

2,345,950
THERMAL POWER PLANT
Fritz Salzmann, Zurich, Switzerland, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application July 19, 1943, Serial No. 495,345
In Switzerland May 9, 1942
3 Claims. (Cl. 60—59)

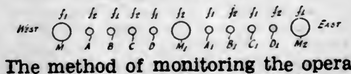
2. Thermal power plant, in which at least the greater part of a gaseous working medium describes a closed circuit, comprising a heater in which said working medium is heated by a supply of heat from an external source, at least one engine in which the heated portion of the working medium is expanded, at least one compressor in which the expanded portion of the working medium is again brought to a higher pressure, means controlled automatically in dependency on the load on the plant, which, on a change in load taking place, permit of working medium being withdrawn from or supplied to the circuit, and

means for imparting to said automatically controlled means a restoring movement in dependency on the change in the highest pressure oc-



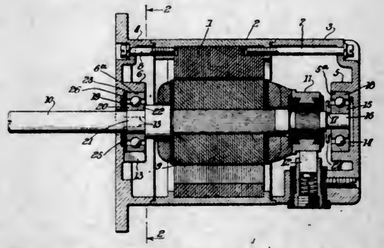
curring in the circuit and under the counter action of the change in the lowest pressure existing within the circuit.

2,345,951
RADIO RELAY CONTROL SYSTEM
J. Ernest Smith, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 19, 1942, Serial No. 435,271
7 Claims. (Cl. 250—15)



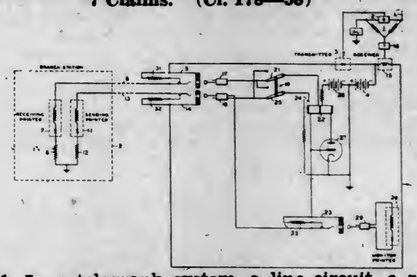
1. The method of monitoring the operation of an unattended relay station which comprises generating at said station, in response to control signals from a preceding master station, an audio frequency oscillation having a frequency proportional to the frequency of operation of a transmitter at said relay station, receiving said oscillation at a succeeding master station and measuring the frequency of said oscillations.

2,345,952
BEARING CONSTRUCTION
Floyd T. Smith, White Plains, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 16, 1942, Serial No. 469,154
6 Claims. (Cl. 308—189)



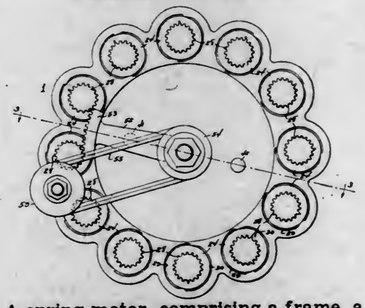
1. The combination with a rotatable shaft, and a bearing housing therefor having different coefficients of thermal expansion, of a hub formed on said housing and having a peripheral edge portion interrupted at intervals around said edge portion by means of slots longitudinally disposed therein, a bearing having an outer race-ring push-fitted within said hub, and an inner race-ring secured to said shaft.

2,345,953
TELEGRAPH REPEATER
Virgil R. Tolen, Tinley Park, Ill., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 17, 1942, Serial No. 458,611
7 Claims. (Cl. 178—58)



1. In a telegraph system, a line circuit, a repeating device to control signal transmission to said line circuit, means for relaying signals received from said line circuit, a signal transmitter, means for connecting said signal relaying means and said transmitter to similarly influence said repeating device, and potential actuated means associated with said signal relaying means and said transmitter and operable only in response to operation of said signal relaying means to render said repeating device responsive to said transmitter and unresponsive to said signal relaying means whereby signals received from said line circuit are not retransmitted to said line circuit.

2,345,954
SPRING MOTOR
Giuseppe Vigneri, Newark, N. J.
Application August 4, 1942, Serial No. 453,579
7 Claims. (Cl. 185—11)



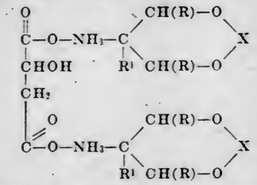
1. A spring motor, comprising a frame, a shaft rotatably mounted in the frame, a ring gear rotatably mounted in the frame around the shaft, brake shoes for locking the ring gear to the frame, a series of housings arranged around the ring gear, spring drums within the housings and provided with gears meshing with the ring gear, rewinding gears carried by the opposite ends of the spring drums, means operated by the ring gear for rotating the shaft, and an arm carried by the shaft and having a segmental rack adapted to engage the gears carried by the ends of the spring drums for rewinding the same in succession one at a time.

2,345,955
NONGELLING BRONZING LACQUER
Herbert L. Wampner, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application November 12, 1942, Serial No. 465,385
7 Claims. (Cl. 106—193)

1. A coating composition free from basic pigments and having reduced tendencies to liver or agglomerate, which comprises a bronze powder, a film-forming agent selected from the group consisting of cellulose nitrate and an oil-modified alkyd resin and a salt of malic acid selected from the group consisting of 1-(hydroxymethyl) isopropylammonium malate, 1-(hydroxymethyl) propylammonium malate, 1,1-bis(hydroxymethyl) ethylammonium malate, 1,1-bis(hydroxymethyl) propylammonium malate, and 1,1-bis-(hydroxymethyl) ethylammonium acid malate.

2,345,956
NONLIVERING COATING COMPOSITION
Herbert L. Wampner, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application November 12, 1942, Serial No. 465,386
7 Claims. (Cl. 106—193)

1. A coating composition free from basic pigments, but having reduced tendency to liver or agglomerate, which comprises a bronze powder, a film-forming agent selected from the group consisting of cellulose esters and modified ester resins formed from polyhydric alcohols and polybasic acids, and a neutral salt of malic acid of the following structural formula



in which R is a member of the class consisting of hydrogen, alkyl, aryl, and furyl; R^1 is a member of the class consisting of hydrogen, alkyl, and alphahydroxyalkyl, and X is a member of the group consisting of cycloalkylidene, alkyl-substituted cycloalkylidene, and

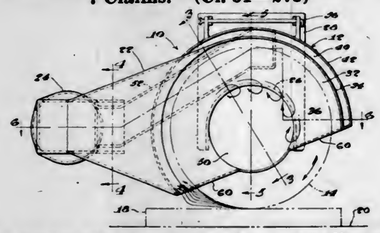


wherein R^2 and R^3 represent members of the group consisting of alkyl, aryl, and aralkyl.

2,345,957
PROCESS FOR THE PRODUCTION OF HYDROCARBONS
Gustav Wirth and Hans Laudenklos, Leuna, Germany; vested in the Alien Property Custodian
No Drawing. Application August 22, 1940, Serial No. 353,655. In Germany September 5, 1939
2 Claims. (Cl. 260—449.6)

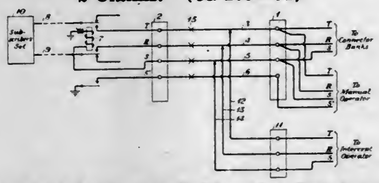
1. A process for the conversion of carbon monoxide and hydrogen into hydrocarbons containing more than one carbon atom in the molecule in which a fixed catalyst is used and the surplus heat evolved by the conversion is removed by indirect heat exchange with a cooling fluid contacting the walls of the reaction space, which comprises recycling the gas issuing from the reaction space in an amount corresponding to about five times the amount of fresh mixture of carbon monoxide and hydrogen while avoiding substantial cooling and condensation of reaction products contained therein so that the recycled gas has practically the same temperature at the outlet of the catalytic space as it has at the entrance thereof, and branching off a portion corresponding to about the amount of added fresh gas mixture for recovering the desired products therefrom.

2,345,958
EXHAUST HOOD
Stephen E. Woodbury, Beverly, Mass., assignor to Reid Brothers Company, Inc., Beverly, Mass., a corporation of Massachusetts
Application May 5, 1943, Serial No. 485,748
7 Claims. (Cl. 51—273)



1. In an exhaust system for a grinding wheel or the like, a hood enclosing the major portion of the wheel and having an opening in the bottom thereof, a main exhaust duct communicating with the hood for carrying away the dust, grit and metal particles created during the grinding operation, and means for counteracting the effect of air movement created by the rotation of the wheel comprising an auxiliary duct connected to a source of suction and communicating with openings formed in either side of said hood adjacent the center of the wheel whereby to enable said main exhausting duct to operate with increased efficiency.

2,345,959
TELEPHONE SYSTEM
Leonard M. Blessing, Alexandria, Va., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 27, 1943, Serial No. 484,681
2 Claims. (Cl. 179—91)



1. In a telephone switchboard a first terminal strip, tip, ring and sleeve conductors terminating at said terminal strip, a second terminal strip, tip, ring and sleeve cross connections between said first and second terminal strips, a subscriber's line, a cut-off relay for said line, tip and ring conductors connected to said second terminal strip and terminating at the make contacts of said cut-off relay, a third terminal strip, a pair of conductors connected across said last mentioned tip and ring conductors when said cut-off relay is unoperated, said pair of conductors being connected to the tip and ring contacts of said third terminal strip, means for connecting said sleeve cross connection when opened to the sleeve contact of said third terminal strip, and tip, ring and sleeve conductors leading from said third terminal strip to an intercept operator's position.

2,345,960
PROCESS FOR REFINING AND STABILIZING FAT-SOLUBLE VITAMIN-BEARING MATERIALS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application June 18, 1941, Serial No. 398,594
11 Claims. (Cl. 167—81)

1. A process of removing objectionable tastes and odors from fat-soluble vitamin-containing materials and for protecting said material against oxidative changes, which comprises mixing a fat-soluble vitamin-containing material selected from the group consisting of fish oils, fish liver oils and concentrates thereof with a natural antioxidant concentrate prepared by contacting a natural antioxidant-containing material selected from the group consisting of vegetable oils and vegetable oil-bearing solids, at a temperature above room temperature with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 3 to 6 carbon atoms, esters formed by the reaction of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms and aliphatic ketones containing not more than 6 carbon atoms, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed, separating the solvent layer from the insoluble residue, and removing the extracted natural antioxidant concentrate from the solvent; heating the mixture under reduced pressure at a temperature between about 60° C. and about 200° C. for a period of time sufficient to remove the objectionable tastes and odors from said vitamin-containing material.

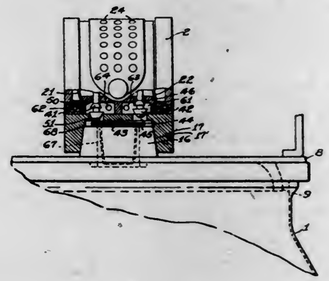
2,345,961
REFINING AND STABILIZATION OF VITAMIN-CONTAINING MATERALS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 25, 1941, Serial No. 403,996
13 Claims. (Cl. 167—81)

1. A process of removing objectionable color, odor and taste from fat-soluble vitamin-containing materials, which comprises admixing activated carbon with an organic solvent, deaerating the carbon-solvent mixture by means of agitation, adding to the deaerated carbon-solvent mixture the fat-soluble vitamin-containing material and a small amount of a natural antioxidant concentrate prepared by contacting a natural antioxidant-containing material selected from the group consisting of vegetable oils and vegetable oil-bearing solids, at a temperature above room temperature with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing 3 to 6 carbon atoms, esters formed by the reaction of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms and aliphatic ketones containing not more than 6 carbon atoms, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed, separating the solvent layer from the insoluble residues and removing the extracted natural antioxidant concentrate from the solvent, agitating the entire mass to effect adsorption of impurities on the carbon and separating the refined antioxidant containing fat-soluble vitamin-containing material and solvent from the carbon and impurities adsorbed thereon.

2,345,962
PROCESS FOR PRODUCING RESIN OF THE COUMARONE INDENE TYPE
Edwin L. Cline, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 28, 1942, Serial No. 428,547
8 Claims. (Cl. 260—81)

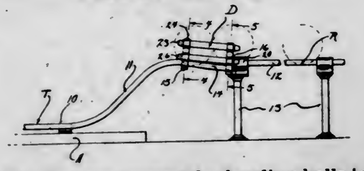
1. In a process for producing a resin from a resin crude, the polymerizable component of which consists predominantly of material selected from the group consisting of styrene, styrene homologs, indene and coumarone, the improvement which comprises treating the crude with activated clay to polymerize selectively the dark resin-forming bodies of the polymerizable component of the crude and thereafter separating the polymer thus formed from unpolymerized material and polymerizing the latter.

2,345,963
CONDENSER CUP
Lyall T. Conde, Sherrill, N. Y.
Original application March 20, 1940, Serial No. 324,951. Divided and this application January 7, 1942, Serial No. 425,917
5 Claims. (Cl. 31—58)



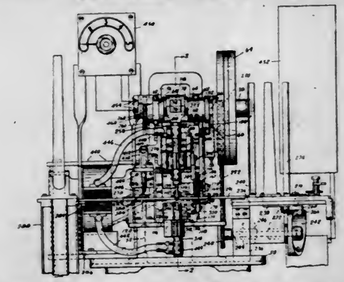
1. A milking machine comprising a pail having a cover, a pulsator on said cover having an area through which air passes from atmosphere to a vacuum source, a vertical passage in said pail cover communicating with said area, a cup-shaped member arranged in said passage with its under surface adapted to be contacted by gaseous media flowing through said passage toward said area, and its upper surface adapted to be contacted by air flowing through said area, and a flange on said member limiting downward movement thereof into said passage while permitting free upward movement thereof.

2,345,964
BOWLING BALL RETURN RUNWAY
Edward W. Discher, Milwaukee, Wis.
Application December 1, 1941, Serial No. 421,118
5 Claims. (Cl. 273—47)



1. In a return runway for bowling balls including rails having upwardly inclined portions and a receiving rack including, space parallel rails, the rails of the runway inclining downward toward the rails of the rack and terminating in front of and below the rails of the rack, spaced parallel brackets secured to the downwardly inclined portions of the runway rails, and friction rails secured to the brackets disposed above the inclined portions of the runway rails, said friction rails also inclining downwardly toward the rails of the runway and converging toward said rails or runway.

2,345,965
MACHINE FOR AND METHOD OF APPLYING INDICATING TABS TO ADDRESS-PRINTING DEVICES
Harmon P. Elliott, Watertown, Mass.
Application August 3, 1940, Serial No. 350,484
37 Claims. (Cl. 29—33)

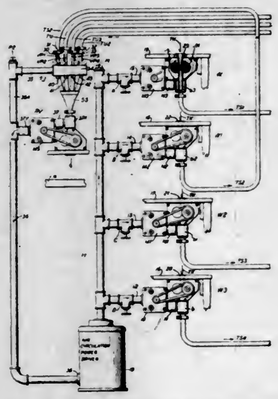


1. In a machine for applying metal tabs to address stencils, the combination of means for advancing successive stencils into tab affixing position, means for advancing a pair of superposed metal tab strips to overlie opposite faces of a stencil in such position, means for affixing together the tab strips through the interposed stencil, and means for severing the attached tabs from the respective strips.

2,345,966
PRODUCTION OF RESINS FROM FURANE DERIVATIVES
Edmond F. Fiedler, Adams, and Gustave D. Holmberg, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 26, 1940, Serial No. 326,054
16 Claims. (Cl. 260—67)

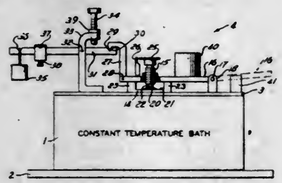
1. A liquid, polymerizable resinous composition capable of being stored for a long period of time in the absence of air without losing its fluid state and capable of relatively rapidly polymerizing to an insoluble, infusible solid state when heated in air, said composition comprising a polymerizable liquid furane derivative selected from the class consisting of furfuryl alcohol and mixtures of furfuryl alcohol and furfural and, as a polymerization catalyst therefor, a small amount of a salt selected from the class consisting of the strong mineral acid salts of amines and amides.

2,345,967
PNEUMATIC TICKET DISTRIBUTING SYSTEM
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 21, 1942, Serial No. 439,875
5 Claims. (Cl. 302—2)



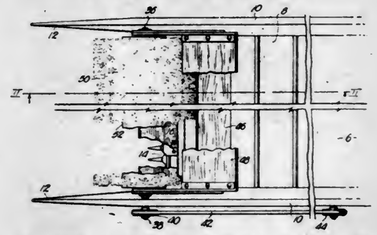
1. A pneumatic ticket distributing system comprising an air circulator, a main tubing having branches, a plurality of roller ticket-sending valves having casings connected to the branches of said tubing, a motor in each of said casings for actuating the rollers of said sending valves, an air by-pass element for each of said sending valves connecting with said casings, ticket-guiding tubes, and combined ticket-sending and receiving valves connected to the opposite ends of said ticket-guiding tubes, the streams of air passing into said casings cooling said motors.

2,345,968
METHOD OF AND APPARATUS FOR MEASURING FLOW CHARACTERISTICS IN LIQUIDS
Henry Green, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application June 29, 1940, Serial No. 343,121
6 Claims. (Cl. 265—11)



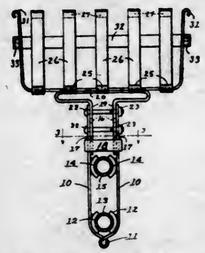
1. The method of indicating the flow characteristic of a liquid, which includes forming a relatively small quantity of the liquid into a thin film of predetermined thickness having a pair of parallel surfaces, increasing by a predetermined amount the separation between said surfaces by applying a predetermined separating force normal to said surfaces, measuring the time required for said increased separation, repeating said preceding steps with a different predetermined separating force while the other conditions named remain the same, and plotting the reciprocals of said respective time measurements against the respective predetermined forces producing said separations, to indicate the desired flow characteristic.

2,345,969
SEED GATHERING ATTACHMENT FOR FARM IMPLEMENTS
Herschell Oden Halley and Richard Bryan Thompson, Belton, Mo.
Application February 9, 1942, Serial No. 430,014
4 Claims. (Cl. 56—128)



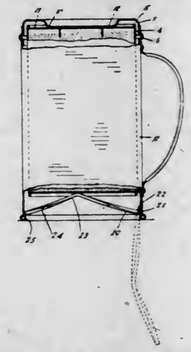
1. A unitary seed gathering attachment for farm implements having a sickle assembly, comprising a shield formed to extend around the sickle assembly to preclude its cutting action; a bracket at each end respectively of the shield; arms mounted on the brackets extending upwardly and rearwardly of the sickle assembly; a brush rotatably carried by the arms having radial bristles, the free ends whereof pass immediately above the shield when the brush is rotated; a deflector secured to the arms and extending longitudinally of the brush with one edge of said deflector adjacent to the free ends of the bristles of the brush; and means for rotating the brush.

2,345,970
SEAT
George W. Hamel, Grand Rapids, Mich.
Application January 5, 1942, Serial No. 425,581
7 Claims. (Cl. 155—5.13)



6. An auxiliary bicycle seat construction adapted to be detachably secured to the longitudinally parallel and vertically spaced bars of a bicycle frame comprising a U-shaped member whose oppositely disposed arms are provided with upper jaws adapted to embrace opposite sides of the upper bar and are provided with lower jaws adapted to embrace opposite sides of the lower bar, a collar downwardly slidable over the upper ends of said arms of the U-shaped member to effect a clamping engagement of said jaws with said bars, a springable seat support comprising an inverted generally U-shaped member having outwardly bowed portions at the upper ends of said arms, detachably secured to the upper ends of said arms, and a seat mounted on said support comprising a plurality of horizontally spaced strap metal members whose rearward ends are turned upwardly to form a back, a pair of spaced transversely disposed U-shaped strap metal members secured to the horizontally spaced strap members, and a U-shaped strap metal member secured to the back strap members and to the arms of the U-shaped members above the horizontally spaced strap members.

2,345,971
HOLDER FOR SIFTER-TOP CANS
Bertis F. Hamilton, Earl F. Hamilton, William S. Hamilton, and Clarence O. Hamilton, Columbus, Ind.
Application July 25, 1941, Serial No. 403,980
5 Claims. (Cl. 221—61)

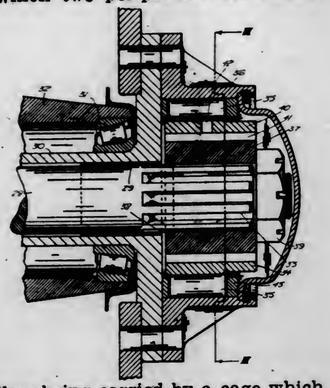


5. In a holder for sifter-top cans, such holder having an open-bottomed body adapted to receive a sifter-top can, and a top provided with a central opening to expose the sifter holes in the sifter-top can, a unitary retaining member formed throughout of resilient material for holding the can upwardly against the holder top, said retaining member extending across the open bottom of said holder-body, one end of said retaining member being pivotally connected on a horizontal axis to one side of said holder-body, the opposite side of said holder-body being provided with an upwardly presented shoulder above which the adjacent end of the retainer is engageable.

2,345,972
MOTOR VEHICLE
John Leslie Hardy, Birmingham, England, assignor to Spicer Manufacturing Corporation, Toledo, Ohio
Application May 7, 1941, Serial No. 392,259
In Great Britain April 8, 1940
1 Claim. (Cl. 192—50)

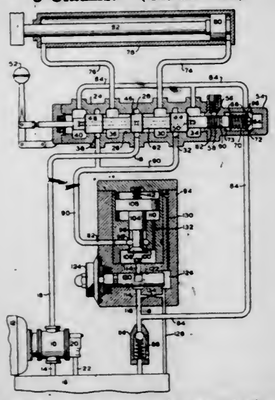
In a motor vehicle, a road wheel journalled in a hub assembly, said road wheel having a hub providing the outer part of an automatically reversible roller-type free-wheel, a sleeve device forming the inner part of said free-wheel, a drive shaft journalled in the hub of the road wheel, said sleeve device comprising an inner portion fast on the drive shaft, and a split outer portion having a loose splined engagement with said inner portion, the associated outer part having a circular inner periphery and said outer por-

tion having a circular external periphery between which two peripheries the rollers coact,



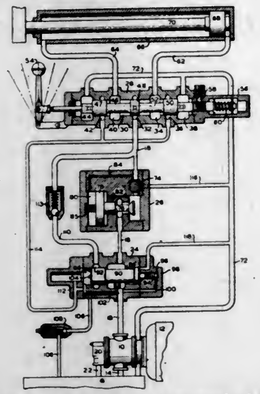
said rollers being carried by a cage which has a running fit on the inner periphery of said outer part.

2,345,973
POWER TRANSMISSION
Ferris T. Harrington, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 11, 1941, Serial No. 414,554
3 Claims. (Cl. 60—52)



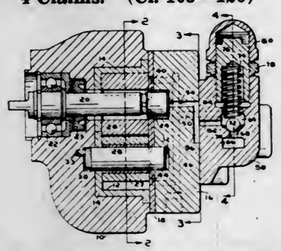
1. In a hydraulic power transmission the combination of a pressure fluid source, a fluid motor, a directional control valve for selectively directing fluid to and from the motor for either direction of operation thereof and having a neutral position in which flow from the source is bypassed around the motor, fluid supply and return conduits connecting the source to the motor with the directional control valve therebetween, a back-pressure valve interposed in the return conduit between the directional control valve and the source, a flow rate control valve interposed in the return conduit ahead of the back-pressure valve and having a compensating valve therein of the type which opens fully whenever flow through the valve is interrupted, and means for directing fluid bypassed around the motor while the latter is stopped to a point between the back-pressure valve and the outlet of the flow regulating valve whereby the compensating valve is maintained closed during periods when the motor is stopped.

2,345,974
POWER TRANSMISSION
Ferris T. Harrington, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 11, 1941, Serial No. 414,555
4 Claims. (Cl. 60—52)



1. In a hydraulic power transmission the combination of a pressure fluid source, a fluid motor, a directional control valve for selectively directing fluid to and from the motor for either direction of operation thereof and having a neutral position in which flow from the source is bypassed around the motor, fluid supply and return conduits connecting the source to the motor with the directional valve therebetween, a flow rate control valve interposed in the supply conduit for producing a governed flow rate therein and having a compensating valve therein of the type which opens fully whenever the flow through the rate control valve is interrupted, a supply pressure responsive bypass valve ahead of the rate control valve and connected when open to conduct fluid around the rate control valve, and means associated with said bypass valve for maintaining it closed while the directional valve is in neutral position whereby flow is maintained through the rate control valve and the compensating valve is prevented from moving fully open.

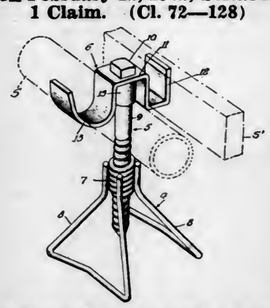
2,345,975
POWER TRANSMISSION PUMP OR MOTOR
Kenneth R. Herman, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application December 24, 1938, Serial No. 247,578
4 Claims. (Cl. 103—126)



1. A gear pump or motor comprising in combination a sectional body of light-weight alloy having a high coefficient of thermal expansion and having a gear chamber and inlet and outlet ports formed therein, a lining of bearing metal

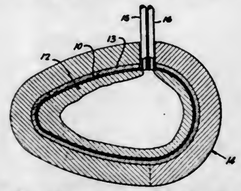
for said gear chamber intimately bonded to the body and having substantially the same expansion coefficient, and a pair of intermeshing gears in said chamber and formed of a hard ferrous alloy having an expansion coefficient substantially as great as that of the housing.

2,345,976
SCREED CHAIR
Bror Hillberg, Chicago, Ill., assignor to Superior Concrete Accessories, Chicago, Ill., a partnership
Application February 12, 1942, Serial No. 430,555
1 Claim. (Cl. 72—128)



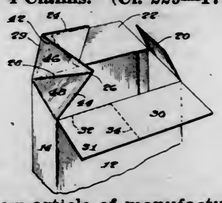
A chair designed to support a screed over a supporting surface in connection with formation of a concrete slab and comprising a base adapted to rest on the supporting surface and consisting of a vertical internally threaded socket and a pair of opposed depending U-shaped legs having the side pieces thereof upwardly convergent and secured at their upper extremities to the socket, a vertical lag screw embodying an externally threaded shank within the socket and a fixed polygonal head at the upper end of the shank and adapted when the head is gripped by a wrench or other tool and then turned to move relatively to the base, a bracket having a part for receiving and holding the screed and another part having a hole therein through which the upper end of the shank extends loosely, and a collar fixedly mounted on the upper end of the shank beneath the hole equipped part of the bracket and arranged so that it coacts with the head and causes the bracket to move vertically with the screw in connection with turning of the latter relatively to the base.

2,345,977
METHOD OF MOLDING HOLLOW BODIES
Arthur M. Howald and Leonard S. Meyer, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
Application June 24, 1942, Serial No. 448,226
1 Claim. (Cl. 18—55)



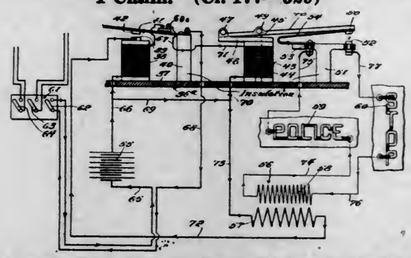
A method of making a destructible and removable shaped mandrel covered with a distendable bag upon which may be applied a material to be formed under internal pressure in an outer mold for molding hollow bodies that comprises distending a flexible bag in an outer mold to cause the bag to conform to the shape of the mold, casting in the distended bag a solid having a melting point lower than temperatures that would destroy the bag, to rigidify the bag in said shape, and removing the bag from the mold.

2,345,978
PACKAGE
Oscar H. Hultin, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application January 15, 1942. Serial No. 426,809
4 Claims. (Cl. 229—17)



1. As a new article of manufacture, a package comprising a carton having side and end wall panels provided with extensions forming the top closing flaps, said top closing flaps including an end flap, a partial side flap, an integral side and end flap member scored and folded to form a bellows-like fold at one end of the assembled carton and arranged when opened to form a V-shaped pouring spout, and a full length side flap comprising the last folded flap, said last folded flap only having weakened lines formed therein adjacent the folded pouring spout transversely and longitudinally of the top of the carton and along which the material may be readily torn to facilitate opening of the pouring spout.

2,345,979
SIGNALING SYSTEM
Jack W. Ivey and Wilbur D. Owens, Albany, Ga., assignors to American Signal Company, Albany, Ga., a corporation of Georgia
Application June 6, 1941, Serial No. 396,924
1 Claim. (Cl. 177—329)



A signaling system for vehicles including a high voltage operated visual signal, a transformer having a primary and a high voltage secondary, a first relay having a coil and a pair of normally open contacts, a second relay having a coil, a pair of normally open contacts and a pair of normally closed contacts, a manually operated switch, a source of low tension direct current, a circuit including the coil of the first relay in parallel with a series circuit including the coil of the second relay and the normally closed contacts of said second relay, said parallel circuit being in series with said source of low tension current and said manually operated switch, a

circuit including the primary of said transformer, the normally open contacts of said second relay and said source of low tension direct current, a circuit including the secondary of said transformer, the said visual signal and the contacts of said first relay, said relays being so constructed that the contacts of said first mentioned relay close before and open after the contacts of said second mentioned relay whereby arcing at said first mentioned contacts will be prevented.

2,345,980

PRODUCTION OF TITANIUM PIGMENTS

John Lewis Keats, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 22, 1939, Serial No. 296,069
7 Claims. (Cl. 23—202)

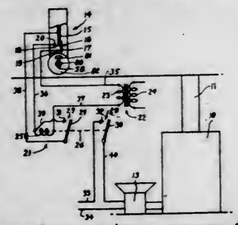
1. A process for producing an uncalcined, anhydrous titanium oxide product of substantially fully-developed pigment properties including tinting strength, comprising subjecting an aqueous relatively pure solution of a hydrolyzable titanium salt solution having an acid concentration of from .5 to 6.0 gram mols of acid per liter, to hydrolysis in a closed vessel while maintaining the same at a temperature ranging from 350 to 450° C. and under the pressure generated by said solution at the temperature employed, the heat and pressure treatment of said solution being conducted for a period of time sufficient to produce a substantial yield of anhydrous crystalline TiO2 with substantially fully-developed pigment properties, and then purifying and recovering the resulting pigment grade product.

2,345,981

CONDITION CONTROL MEANS

Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 15, 1942, Serial No. 439,062
17 Claims. (Cl. 236—46)



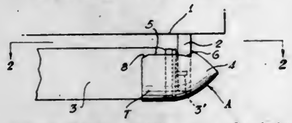
1. In a heating system, means for heating a space, an element movable in response to variations in the temperature of said space, switch means actuable thereby, circuit connections controlled by said switch means when closed to initiate operation of said heating means and when opened to terminate operation thereof, means for selectively rendering said element operable to close said switch means in response to a first range of temperature values of said space, visual means for indicating the selected value of said first range, mean for selectively rendering said element operable to close said switch means in response to a lower range of temperature values of said space, visual means for indicating a selected value of said lower range, means for rendering said element responsive to said lower range of values for a predetermined period of time and responsive to said first range of values at the expiration of said period of time, means operable independently of said element and independently of variations in the temperature of said space for opening said switch means in a sequence of predetermined intervals extending over a second predetermined period of time following the expiration of said first period, and visual means for indicating the total duration of said first and second periods.

2,345,982

CAPPING MEMBER

Louis Manchan, North Hollywood, Calif., assignor of one-half to Dick Dickson, Los Angeles, Calif.

Application July 7, 1941, Serial No. 401,338
4 Claims. (Cl. 173—328)



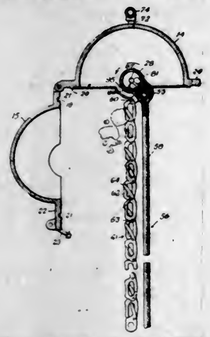
1. In combination with an electric lighting structure including a tubular lighting element and holding means therefor, an end capping member having a closed end and a cylindrical and inherently resilient skirt portion extending therefrom, and in which said resilient skirt portion is provided with a slot to receive the holding means and to pass over the holding means for the tubular lighting element, and a portion of the lighting element, the width of said slot being such that when the skirt member is slipped over the holding means into assembled relation, the skirt portion securely retains the capping member in position by frictional and resilient grip of the edges of the slot against the holding means and by the frictional and resilient grip of the cylindrical skirt on the tubular lighting element.

2,345,983

INSTANT UNLOADING PRESS AND DEHYDRATOR

John P. McGlaughlin, Sr., Peekskill, N. Y.

Application February 15, 1941, Serial No. 379,058
12 Claims. (Cl. 210—182)



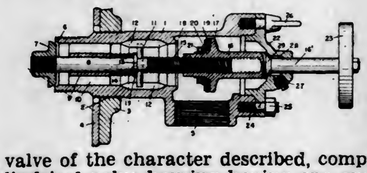
1. In a filter press, a pressure tight casing, a filter structure adapted to be wound and unwound arranged within said casing, a spacing member to engage the filter structure, means extending horizontally of the casing and connected with the filter structure and spacing member to spirally wind the same so that when completely wound the filter structure will coact with the casing to exert pressure, power means exteriorly of the casing and connected with said first means to rotate the latter, to wind said filter structure and spacing member on said first means or to unwind the same therefrom, while said first means extends as aforesaid, said casing having a movable section which may be moved to an open position so as to enable the winding and unwinding operations aforesaid, charging means for forcing the matter to be filtered into said casing and through said spacing member into contact with said filter structure, and means extending into said casing for directing the filtrate to a discharge point outside of said casing.

2,345,984

VALVE

William H. McGunagle, Cleveland, Ohio, assignor to The Johnston & Jennings Company, Cleveland, Ohio, a corporation of Ohio

Application May 15, 1941, Serial No. 393,577
1 Claim. (Cl. 277—33)



A valve of the character described, comprising a cylindrical valve housing having one end terminating in an inlet opening and having an outlet opening in its side wall, a cover closing the opposite end of said housing, a valve adapted to close said inlet opening, a second valve and a seat for said second valve located in the interior of said housing at a point intermediate said inlet and said outlet openings, a stem for said inlet valve projecting into the interior of said housing, a guide bushing for said inlet valve stem carried by said housing and located between said inlet opening and said second valve seat, a transversely extending pin carried by said valve stem, a spring mounted between said bushing and said pin for urging said inlet valve to closed position, an abutment on said housing adapted to be contacted by said pin for limiting rotary movement of said inlet valve stem, a second valve stem for said second valve slidably and rotatably mounted in said cover, said inlet valve stem threadably engaging said second valve stem, whereby initial unthreading rotation of said valve stems with respect to each other operates to open said second valve while said inlet valve remains closed under pressure of said spring..

2,345,985

PRODUCTION OF TITANIUM OXIDE PIGMENTS

Robert M. McKinney, Roselle, and Henry M. Stark, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 29, 1938, Serial No. 242,922
14 Claims. (Cl. 23—202)

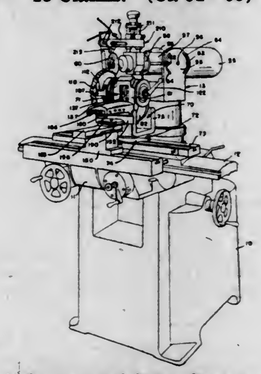
1. A process for the preparation of rutile titanium oxide pigments from polybasic mineral acid solutions obtained from titanium-bearing materials and which solutions produce anatase titanium oxide normally on hyrolysis, comprising precipitating at a temperature not in excess of substantially 30° C. orthotitanic acid from said solutions by mixing the same with an alkaline reagent, purifying said orthotitanic acid to render the same substantially free of salts of said mineral acid, dissolving the purified precipitated titanium compound in a monobasic halogen-containing acid, during said dissolving operation maintaining a ratio of at least 4 mols of acid per mol of titanium in the monobasic halogen-containing acid hydrolyzing the resultant solution while substantially free from polybasic acids to obtain a titanium oxide precipitate comprising rutile, during hydrolysis of said solution maintaining a TiO_2 concentration in excess of 50 g./l. and then calcining said precipitate to develop its pigment properties.

2,345,986

CUTTER MANUFACTURE

Max B. Mentley and Donald D. Austin, Detroit, Mich., assignors to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application May 9, 1941, Serial No. 392,790
18 Claims. (Cl. 51—95)



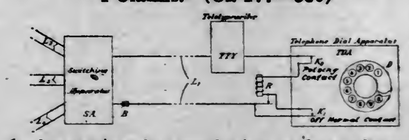
1. A grinder comprising a base, a column vertically adjustable on said base, a yoke mounted on said column for adjustment about a vertical axis, and a grinding wheel and drive means therefor swiveled between the arms of said yoke for adjustment about a horizontal axis, a slide on said base adjustable toward and away from said column, a bracket mounted on said slide for adjustment about a vertical axis, a work spindle mounted on said bracket for adjustment about a horizontal axis, means for translating said slide in a direction perpendicular to its aforementioned adjustment, and means responsive to translation of said slide for rotating said spindle.

2,345,987

DIAL CONTROLLED SIGNALING SYSTEM

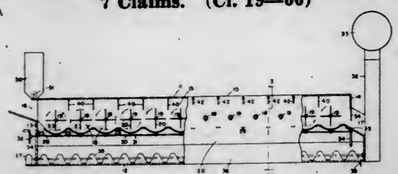
James T. Neiswinter, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application March 21, 1942, Serial No. 435,658
4 Claims. (Cl. 177—380)



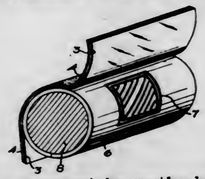
1. Apparatus for producing pulses of current comprising a dial-operated device having off-normal contacts and pulsing contacts, a normally operated relay having its winding in series with both of said contacts, the armature of said relay being connected so as to provide a path in parallel with said off-normal contacts, and means for rotating said dial device to release said relay for a period of time which is determined by the number dialed.

2,345,988
APPARATUS FOR TREATING COTTON SWEEPS
William Ockrant, Cincinnati, Ohio
Application December 30, 1940, Serial No. 372,306
7 Claims. (Cl. 19—66)



1. In a device of the class described for concurrently opening the fibers of cotton sweeps and extracting loose threads therefrom, said device comprising in combination an extended housing having an inlet port at one end, and a discharge port at the other end, a plurality of rotatable beaters disposed in an in-line relationship within said housing with the axis of rotation of the beaters disposed in spaced parallelism and extending transversely of the housing, means for imparting a rotary motion to each beater, a plurality of apertured pans, one for each beater, each pan being arcuate in shape and disposed below and spaced from the arc of rotation of its beater, for providing a support beneath the beater for the sweeps passing through the housing, and adjustable damper means for said pans, said damper means adapted to control the passage of material through the holes in the pans.

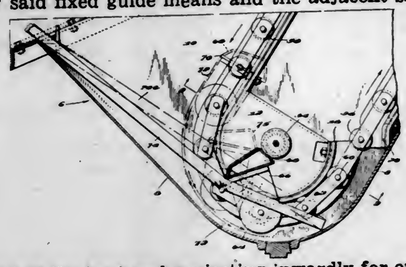
2,345,989
ETCHING PROCESS
John J. Ormond, Boston, Mass., assignor of two-thirds to Joseph D. Ramsey, Boston, Mass.
Application September 24, 1941, Serial No. 412,084
2 Claims. (Cl. 41—43)



1. That improvement in methods of etching a copper roll which comprises attaching with a permanently tacky cement a translucent sheet element upon a sheet of subject matter desired to be etched on the roll, coating the translucent sheet element with wax, tracing through the wax an outline corresponding to the outline portions of the said subject matter, removing the translucent element and wax from the sheet of subject matter, supporting on a pressure roll the translucent element and wax, and rolling the wax against the copper roll to transfer wax to the copper roll while maintaining the translucent element in contact with the pressure roll thereby to separate the translucent sheet element from the wax at the time it is applied to the copper roll.

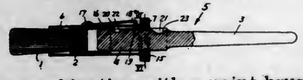
2,345,990
LOADING BOOT ASSEMBLY
Carl C. Ottoson, Port Richmond, Staten Island, N. Y.
Application October 3, 1941, Serial No. 413,523
8 Claims. (Cl. 198—53)

2. A loading boot assembly comprising, in combination with a rigidly mounted loading boot, an endless conveyor operable therein, fixed guide means, fixed to the side walls of the boot, for guiding the conveyor within the boot, pivoted flights carried by the conveyor and forming a part thereof, and abutment means, supported jointly by said fixed guide means and the adjacent side



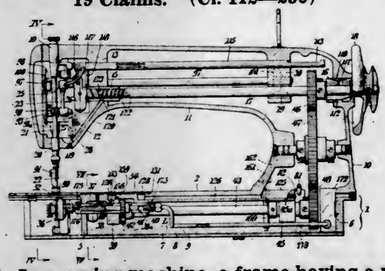
wall of the boot and projecting inwardly for only a short distance, leaving the middle of the boot clear, for limiting the pivotal movement of the flights when they are forced upwardly by refuse material in the boot.

2,345,991
PAINTBRUSH
Harry A. Rishel, Ambler, Pa.
Application September 6, 1941, Serial No. 409,793
5 Claims. (Cl. 15—169)



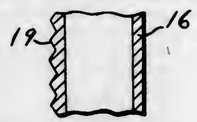
1. The combination with a paint brush having bristles, a handle, and a ferrule for holding the bristles, of a sliding girdle mounted to embrace and contact with the bristles, and a wiper to prevent the spread of paint to the handle by the sliding girdle.

2,345,992
SEWING MACHINE
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1939, Serial No. 311,722
19 Claims. (Cl. 112—256)



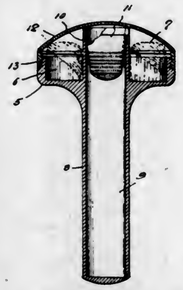
1. In a sewing machine, a frame having a work supporting base and an overhanging arm both of which are hollow and inter-communicating, a hollow head at the free end of said arm, and a partition separating the hollow of the arm from that of the head; a shaft within the arm and extending through a bearing in the partition into the head; needle operating mechanism within the head actuated from the shaft; means for carrying oil from a supply within the base to the needle operating mechanism, and pump means formed between the contacting surfaces of the shaft and its bearing within the confines of the latter for drawing excess oil released by the needle operating mechanism within the head and accumulating in the bottom of the latter and discharging it into the hollow of the frame arm for gravitation back into the machine base.

2,345,993
MANUFACTURE OF WHEELS
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 2, 1942, Serial No. 425,473
2 Claims. (Cl. 29—159.1)



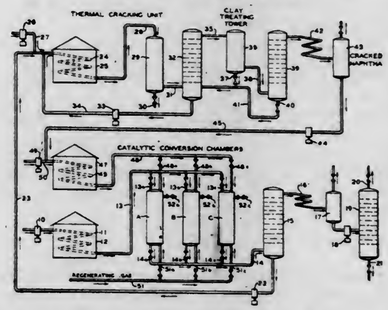
1. In the method of forming a tire carrying rim, the forming of a sheet metal annular blank having an annular bead seat forming part, a second part extending generally radially outwardly from the first mentioned part, and an annular third part extending substantially axially from the second part over the first mentioned part, the transverse knurling of the radially outer surface of the third part while supporting the same, and then the bending radially inwardly of the knurled third part about the second part and over the first mentioned part to form a tire retaining bead on the rim with the knurled surface on the tire engaging side of the bead.

2,345,994
SEWING KIT
Harold Stern, Yonkers, N. Y.
Application November 24, 1941, Serial No. 420,300
1 Claim. (Cl. 223—100)



A sewing kit and darning last comprising a disk-like hollow head, and a straight handle centrally depending from the bottom of the head, said head including a lower section having a marginal flange and an upper slightly convexed section having a marginal flange detachably engaged with the flange of said lower section, said handle being hollow to afford a needle chamber and having a tubular extension at its upper end disposed centrally of and projecting upwardly in proximity to the top of said upper section of the head so that the latter may engage and clamp the flange of a thimble between the same and the upper end of the extension when said thimble is set in an inverted position within said extension, the space between the flange of the lower head section and said extension affording an annular chamber to receive a circular series of balls of yarn or thread.

2,345,995
CONVERSION OF HYDROCARBONS
Halsted Rogers Warrick, West Englewood, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 22, 1941, Serial No. 420,054
5 Claims. (Cl. 196—49)



1. In the conversion of hydrocarbon oils the process that comprises subjecting hydrocarbon oil to catalytic cracking in the presence of a cracking catalyst to effect conversion into lower boiling hydrocarbons, separating higher boiling constituents from the resultant products of the catalytic cracking, subjecting such higher boiling constituents to thermal cracking to effect conversion into lower boiling hydrocarbons, fractionating the resultant products of the thermal cracking to separate a lighter fraction thereof and subjecting said lighter fraction to isomerization in the presence of partially spent catalytic material previously used in catalytic cracking.

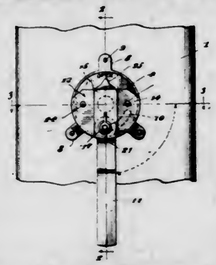
2,345,996
SIGNAL TRANSLATING APPARATUS
Leslie J. Anderson and Alfred H. Kettler, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 7, 1940, Serial No. 368,968
5 Claims. (Cl. 179—116)



1. A throat microphone adapted to be worn on the throat of the user for actuation by the larynx, said microphone comprising a casing, a pair of diaphragms vibratively mounted within said casing in spaced relation to each other and confining a volume of air therebetween, said volume of air constituting a coupling between said diaphragms, actuating means coupled to one of said diaphragms and extending outwardly of said casing for engagement with the throat of the wearer, an electromechanical translating device in said casing including an active element, and means coupling the second of said diaphragms to said element, said second diaphragm being provided with at least one opening therein affording communication between said volume of air

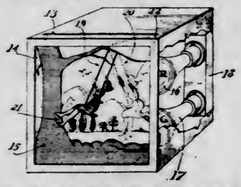
and the air external thereto, said opening and said volume being of such size that the mass of air in said opening resonates with said air volume at substantially the lowest signal frequency it is desired to have the microphone translate without substantial attenuation.

2,345,997
DIAL DAMPER REGULATOR
Evald Anderson, North Quincy, Mass.
Application September 3, 1942, Serial No. 457,184
2 Claims. (Cl. 74—531)



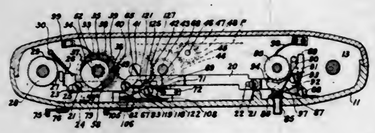
1. A device of the class described comprising a bearing plate adapted to be mounted on a housing having a shaft extending there through and having an arcuate slot formed therein, a handle, a connection between the handle and shaft comprising inner and outer plates, the outer plate having an open ended socket formed therein for receiving an end of the handle, a bolt having its shank movable in said slot and passing through both plates and the handle, and a wing nut engaged on the bolt and engageable with the outer plate to hold said plates and handle in adjusted relationship upon the bearing plate.

2,345,998
COMBINATION ANIMATED DAY AND NIGHT SIGN
Michael Apuzzo, Brooklyn, N. Y.
Application July 11, 1941, Serial No. 401,912
1 Claim. (Cl. 40—132)



A device including a display apparatus adapted to exhibit a clear still picture by external reflected light during the daytime and to exhibit during the nighttime by transmitted light of different colors an animated picture complemental to the still picture, comprising a sheet member, sources of light of different colors confined to the rear face of the sheet member, the latter having at the front face thereof a representation principally in black and white serving as the said still picture, the said sheet member having at the rear face thereof representations in different colors like those of said light sources of an object in different positions complemental to the said still picture, said sheet member being a white opal translucent means having solely a light diffusing and light absorbing capacity and having sufficient opacity to exclude extraneous light from affecting the colors of said representations when illuminated by transmitted light in the daytime and at night and to render said representations invisible when the said member is illuminated only by daylight at the front thereof and being sufficiently translucent to permit the representations to be seen at the front when illuminated by transmitted light from said sources at the rear of said member, said colors of the representations having such relation to each other and to the colors of the transmitted light as to cause the different colored representations to be rendered alternately visible or substantially invisible as the sources of light go alternately on and off, with the said still picture being continuously visible during operation of said sources of light, and means for alternately energizing the differently colored sources of light, certain portions of the said still picture comprising minor sections on the front face of said screen in a color having a wave length like that of the color of one of the representations at the rear face of said screen, and overlapping one of said color representations.

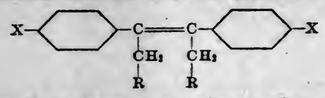
2,345,999
CONTROL DEVICE FOR PHOTOGRAPHIC CAMERAS
David L. Babcock, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 28, 1941, Serial No. 416,823
20 Claims. (Cl. 95—31)



3. In a roll film camera, the combination with a camera body, film winding means for moving a film strip across said body, means for automatically engaging said winding means to lock the latter against further actuation when a predetermined length of film has been wound, a shutter actuating mechanism, of a member controlled by said locking means and movable into a holding position to retain positively said locking means in locking position, means controlled by said shutter actuating mechanism for releasing said member from said holding position to permit movement of said locking means, and means for moving said locking means out of locking relation to free said winding means.

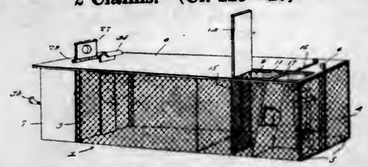
2,346,000
STILBENE DERIVATIVES
Harry James Barber, Gidea Park, Romford, England, assignor to May & Baker Limited, Dagenham, Essex, England, a British company
No Drawing. Application March 12, 1942, Serial No. 434,395. In Great Britain January 1, 1941
7 Claims. (Cl. 260—649)

1. Stilbene derivatives of the general formula:



wherein X represents a halogen atom and R represents an alkyl radical.

2,346,001
ANIMAL PEN
Edward Guy Bate, Winnipeg, Manitoba, Canada
Application December 27, 1941, Serial No. 424,629
2 Claims. (Cl. 119—17)



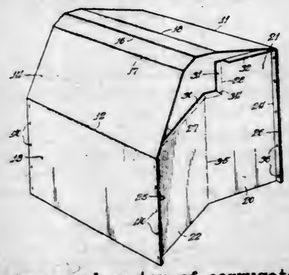
1. An animal pen of the character described comprising an enclosure, an upright member in said enclosure, said member having a circular opening therein, and a tapered, inclined feed receptacle of tubular cross section removably mounted in the opening, said receptacle being closed at its lower end and open at its upper end.

2,346,002
OPTICAL INSTRUMENT AND PROCESS OF MAKING SAME
Alva H. Bennett, Kenmore, and Roger S. Estey, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 14, 1940, Serial No. 352,589
5 Claims. (Cl. 88—57)



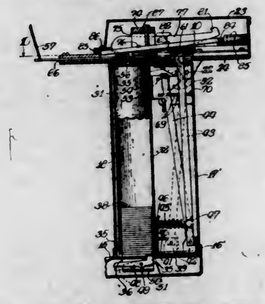
1. An optical instrument having spaced lens elements to produce an optical system, said lens elements having edge and side surfaces and being of a material having a given index of refraction, and a single long and slender bar-like body portion of a moldable plastic material having a different index of refraction and a diameter greater than said lens elements moldably uniting the spaced elements of the optical system, at least one side surface of each of said elements being in substantially intimate engagement with the plastic material throughout substantially the entire surface engaging the moldable material with said material having a portion surrounding and overlying a major portion of the edge surfaces of said spaced lens elements.

2,346,003
COLLAPSIBLE CARTON
Charles B. Bishop, Davenport, Iowa, assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application July 2, 1942, Serial No. 449,465
3 Claims. (Cl. 229—23)



1. An improved carton of corrugated or solid fiber paperboard or the like for protecting an article of upholstered furniture secured to a leg crate providing nailing strips around the outer edges thereof, said carton comprising front, back and intermediate top panels formed from a single blank and defined by a pair of parallel score lines, said front and back panels having a length substantially equal to the height of the arms and back of said furniture, respectively, and said top panel having a plurality of fold lines therein parallel to said score lines, two of said fold lines defining horizontal forward vertical riser and horizontal rear portions thereof, when the carton is set up and another of said fold lines bisecting said blank whereby said top panel may be extended upwardly to allow said front and back panels to be juxtaposed, and a pair of end wall blanks having outwardly folded flanges on their forward and rear edges secured to said front and back panels, respectively, each of said end wall blanks being provided with a fold line equidistant from said edges to enable said blank to be infolded when the carton is collapsed and having its upper edge arranged to be secured to said portions of said top panel, said carton being adapted to be secured adjacent its lower edges to said strips by nails or the like.

2,346,004
SLUG VENDING MACHINE
John B. Bocanegra, Chicago, Ill.
Application March 18, 1939, Serial No. 262,593
2 Claims. (Cl. 194—93)

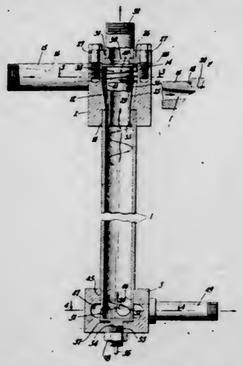


1. A slug vending machine comprising a casing, a coin magazine mounted in said casing, a slug magazine mounted in said casing, an ejecting mechanism mounted in said casing below each magazine, a pivoted door mounted on said casing to permit access to said magazines, an upwardly swinging cover pivoted to said casing above said door and said magazines, a coin slide mechanism mounted in said cover and positioned over said coin magazine for depositing a coin into said coin magazine, operative connections between said coin slide and one of said ejecting mechanisms for ejecting a slug from said slug magazine, a slug slide mechanism mounted in said cover and positioned over said slug magazine for depositing a slug into said slug magazine, operative connections between said slug slide and the other of said ejecting mechanism for ejecting a coin from said coin magazine, and means whereby said cover and said coin and slug slides may be swung upwardly and said door opened so that access to said magazines may be had.

2,346,005
VORTEX SEPARATOR
Tandy A. Bryson, Troy, N. Y.
Application August 15, 1940, Serial No. 352,698
23 Claims. (Cl. 210—51)

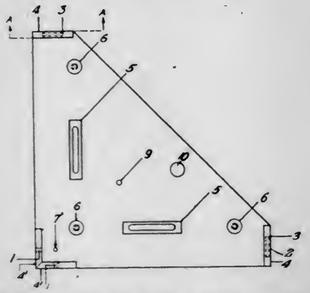
1. In a vortex separator, in combination, a hollow cylinder of small diameter compared to its

length, a conduit for delivering fluid under pressure head, a nozzle connected to the conduit and tangentially disposed with relation to the inner wall of said cylinder near one end thereof for converting said pressure head substantially entirely to velocity head and for injecting said high velocity stream of fluid normal to the axis of the cylinder, a helical conduit mounted coaxially within the cylinder and communicating with the delivery end of the nozzle for preforming said



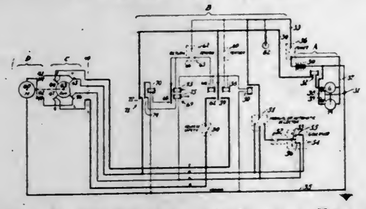
velocity stream into a compact, rapidly whirling annulus at the inlet portion of the cylinder, the other end of said helical conduit communicating with the inner wall of the cylinder to cause said annulus to travel along said inner wall throughout the length of the cylinder, an outlet for the fluid at one end of the cylinder after said annulus has travelled the length thereof and another outlet for particles centrifugally separated from the annulus during its travel within the cylinder.

2,346,006
SURVEYING INSTRUMENT
Henry C. Burt, Laingsburg, Mich.
Application February 15, 1943, Serial No. 475,977
2 Claims. (Cl. 33—73)



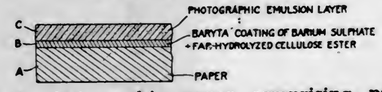
1. An instrument of the character described comprising a substantially right triangular base having thereupon fixed pairs of co-acting sights, each pair defining a sight line parallel to a respective side of the triangle, said lines being at right angles to and intersecting each other at the vertex and in a common plane parallel to said base, a plumb-line located at the point of intersection of said sight lines, a pair of levels fixed to said base at right angles to each other, and leveling screws engaging threaded openings in said base and adapted to rest upon any convenient support.

2,346,007
PROPELLER REVERSING PITCH CONTROL
Charles W. Chillson, Packanack Lake, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 9, 1941, Serial No. 387,624
12 Claims. (Cl. 170—163)



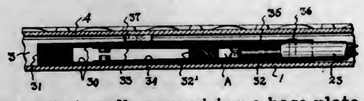
1. In a controllable pitch propeller whose blades are capable of movement to a reversed pitch position, means comprising a motor for effecting blade pitch changes, limit stops for normal high and low pitch, a limit stop for reverse pitch, means selectively operable to set up the reverse pitch limit stop for operation and at the same time cancelling the effect of the low pitch limit stop, whereby the blade pitch may pass the normal low pitch limit and move to the reverse pitch position, and means to change the blade pitch at greater than normal speed during pitch reversing movement.

2,346,008
MANUFACTURE OF PAPER FOR PHOTOGRAPHIC PURPOSES
Halford Rogers Clark, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 27, 1940, Serial No. 348,014
15 Claims. (Cl. 95—8)



1. A photographic paper comprising paper having thereon a coating of barium sulfate mixed with a water-susceptible lower fatty acid ester of cellulose having an acyl content of 19–30% and an overcoating thereover of a photographic silver halide emulsion.

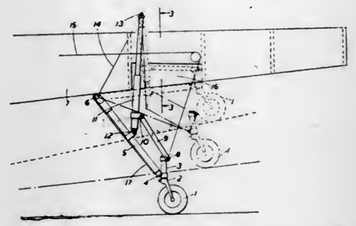
2,346,009
ELECTRIC TREADLE
Roscoe D. Conklin, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application August 6, 1942, Serial No. 453,840
1 Claim. (Cl. 200—86)



An electric treadle comprising a base plate having a depending flange along one edge, side members secured to said plate along three edges to form a shallow pan, the rigid treading plate forming with said pan a rectangular housing and having a depending flange at its front edge, flexible strips connecting the end and rear edges of said treading plate with the corresponding side members, a flexible strip connecting the depending flanges of said base plate and treading plate whereby a sealed housing is formed, the cover of

which formed by said treading plate being vertically movable, means for limiting the downward movement of said treading plate, means for normally holding said treading plate in raised position, a switch mounted in said housing and positioned to be closed when said treading plate is depressed, and means limiting transverse movement of said treading plate, said switch also being enclosed in a flexible watertight housing.

2,346,010
AIRCRAFT LANDING GEAR
Leonard Eugene Cowey, Kew Gardens, England
Application May 18, 1942, Serial No. 443,358
In Great Britain May 8, 1941
1 Claim. (Cl. 244—100)



A trainer type aircraft for use in instructing pupils in landing in a "tail down" position or in a "horizontal tail up" position as assumed in the case of an aircraft fitted with landing gear of the kind referred to, and including a tail wheel unit comprising a castoring wheel fork, a radius rod pivotally attached to said aircraft and to said wheel fork, a telescopic oleo-pneumatic shock absorber strut pivotally connected at its upper end to said aircraft and pivotally connected at its lower end to said radius rod at a point intermediate its length, said strut having a stroke sufficiently long to permit of the tail wheel being raised into a position in which the aircraft can be landed in a "tail down" position or lowered into a position in which the aircraft can be landed in a "tail up" position approximating to that assumed during normal level flight, a link pivotally connected to the upper end of said wheel fork and to said shock absorber strut and lying substantially parallel to the latter, the arrangement of radius rod, shock absorber strut, link and wheel fork providing a substantially parallel link motion and serving to maintain said wheel fork at substantially the same angle to the ground irrespective of the extent to which the tail which is raised or lowered and means for raising and lowering said tail wheel into either of its terminal positions or into an intermediate position to facilitate "take off."

2,346,011
PROCESS FOR CULTIVATION OF FAT-FORMING MOLDS
Helmut Damm, Duesseldorf, Germany, assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application August 24, 1940, Serial No. 354,076
In Germany August 31, 1939
9 Claims. (Cl. 195—79)

5. A process for producing increased yields of fats which comprises submersing a fat-forming mold of genus Mucor that develops chlamydospores in an acidic nutrient solution, inducing fermentation of said solution and growing said mold in submersion therein while aerating the



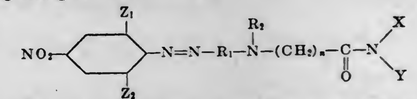
solution, thereby increasing the yield of fats as compared to surface growths.

2,346,012
MANUFACTURE OF CATALYSTS
Joseph D. Danforth, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 9, 1942, Serial No. 442,369
21 Claims. (Cl. 252—228.7)

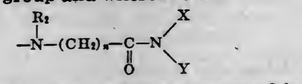
1. A catalyst suitable for use in hydrocarbon conversion reactions comprising zirconium oxide and a heteropoly fluorine acid.

2,346,013
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1940, Serial No. 349,008
7 Claims. (Cl. 260—205)

1. The non-sulfonated azo dye compounds having the general formula:

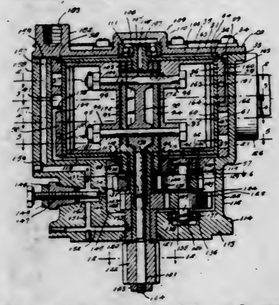


wherein Z_1 represents a member selected from the group consisting of hydrogen, a nitro group, a chlorine atom, a bromine atom, a low carbon alkyl group, a low carbon alkoxy group, an alkyl sulfone group, and a hydroxy group, Z_2 represents a member selected from the group consisting of hydrogen, a chlorine atom and a bromine atom, R_1 represents a member selected from the group consisting of a benzene and a naphthalene nucleus, R_2 represents a member selected from the group consisting of hydrogen and a low carbon aliphatic group, n stands for a small whole positive number, X and Y each represents a member selected from the group consisting of hydrogen, and a low carbon aliphatic group and wherein the



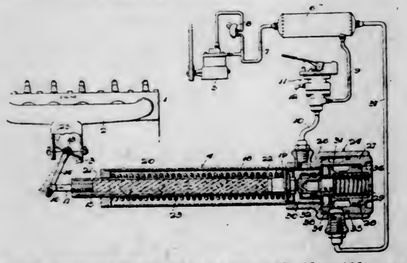
group is joined to the nucleus represented by R_1 in para position to the azo bond.

2,346,014
FLUID PUMP
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application April 2, 1941, Serial No. 386,542
11 Claims. (Cl. 103—129)



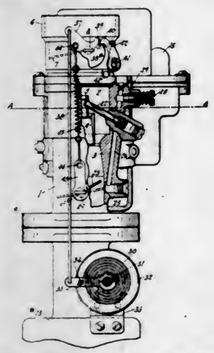
2. In a pump having inlet and outlet ports, pairs of relatively movable rotary pumping elements correlated with said ports and having communication therewith, means operatively connected with said elements for effecting operation thereof to thereby provide an accelerated pumping cycle for said elements and a retarded pumping cycle for said elements during each revolution of said elements, and a ported stationary cylindrical member about said elements, said member having series of elongated fluid passages the passages of each series being spaced longitudinally of said liner with respect to the passages of each other series, one passage of each series being substantially longer than the other passage of the same series to thereby provide communication between said ports and said elements during the retarded cycle, and the shorter passage of each series providing communication between said ports and said elements during the accelerated cycle.

2,346,015
THROTTLE CONTROLLING MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application October 27, 1941, Serial No. 416,718
8 Claims. (Cl. 137—139)



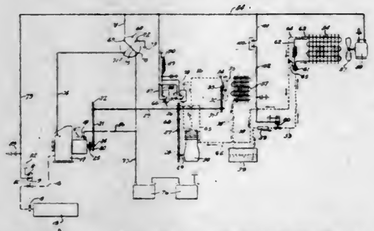
7. A compressed air operated throttle valve control system having a throttle valve actuating mechanism including a pressure-responsive member movable to open and close a throttle valve and a second pressure-responsive member adapted for engagement with said first member and movable to open the throttle valve, means for subjecting said members to pressure from a source of compressed air for moving said first named member in one direction to open the throttle valve and for moving said second named member in the opposite direction, and means operable for moving said second named member in said one direction and into engagement with said first named member for moving the latter to open the throttle valve when the pressure to which said members are subjected decreases to a pressure below a predetermined value.

2,346,016
CARBURETOR
George R. Ericson, Maplewood, Mo., and Charles E. Markham, East St. Louis, Ill., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 7, 1932, Serial No. 609,820
27 Claims. (Cl. 261—39)



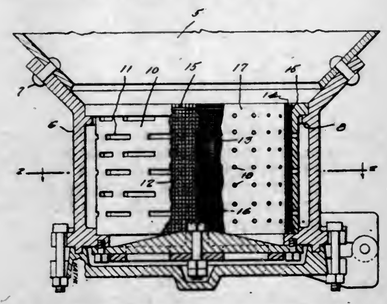
1. In a carburetor, a suction operable choke valve, a heat responsive member for controlling said choke valve, and a detent for yieldably resisting the opening of said choke valve once it has been moved to substantially closed position.

2,346,017
REFRIGERATING SYSTEM
Edward O. Errath, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 20, 1941, Serial No. 423,752
9 Claims. (Cl. 62—2)



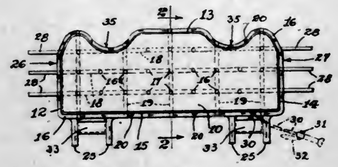
1. In a refrigerating system having a compressor and having a refrigerant suction line leading to said compressor, a prime mover normally operable continuously either at idling speed or at a higher speed, a drive between said prime mover and compressor, an electric pressure switch connected to said suction line and responsive to a predetermined pressure in said suction line, a magnetically operated throttle in the electric circuit to said pressure switch cooperable with the prime mover to cause operation of the latter at idling speed when said pressure switch is closed in response to a reduced pressure in said suction line, and means included in the compressor drive operable each time said pressure switch is closed for disconnecting the compressor drive.

2,346,018
OIL FILTER
Luther D. Fulton, deceased, late of Titusville, Pa., by Katherine Cox Fulton, executrix, Titusville, Pa., assignor of one-half to Hammond Iron Works, Warren, Pa., a corporation of Pennsylvania
Application July 9, 1942, Serial No. 450,328
2 Claims. (Cl. 210—154)



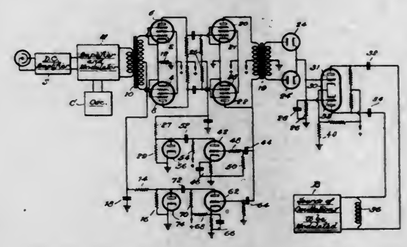
1. A filter comprising a casing open at one end for receiving the material to be filtered and also having an outlet leading from the casing, means supporting a foraminous filtering member in spaced relation to the walls of the casing, a longitudinally split perforated cylinder, flanges on the cylinder adjacent the split edges of the cylinder, screw means engaging the flanges for expanding the cylinder against the inner surface of the filtering member, a cover plate overlapping the split edges of the cylinder and means engaging the screw means for retaining the cover plate in position.

2,346,019
EVER-READY AIR JACKET
Valentine Gerich, New York, N. Y.
Application January 5, 1942, Serial No. 425,681
4 Claims. (Cl. 9—20)



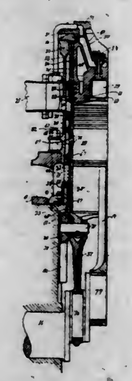
1. An air jacket of the character described, comprising an inflatable body formed of two separable thin layers of india rubber secured together at their outer edges and throughout the body by intermediate tufted portions, said outer edges having secured thereto a binding strip of cloth, said tufted portions being secured and reinforced by horizontal and vertical tapes, said air-jacket having end portions whereat said horizontal strips extend beyond to provide lacing tapes, said air jacket being adapted to be fitted around the body of the wearer, whereby said extended strips of said end portions secure said air-jacket to said body, said air-jacket being adapted to be either partially inflated when used as an article of clothing or fully inflated when used as a life preserver.

2,346,020
MODULATION AMPLIFIER AND MODULATOR
Charles N. Gillespie, Jr., Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 5, 1942, Serial No. 429,610
13 Claims. (Cl. 179—171)



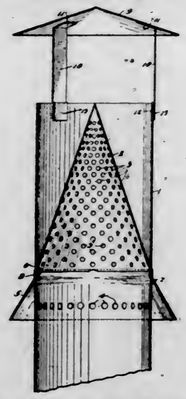
1. In an amplitude modulated wave relaying system, an amplifier of controllable gain having an input and an output, a circuit for impressing said amplitude modulated wave on the input of said amplifier, a utilization circuit coupled to the output of said amplifier, and means actuated by the modulated wave for raising the gain of said amplifier when the trough of the modulation on the amplified wave falls below a first selected minimum value and for lowering the gain of said amplifier when the modulation peaks exceed a selected maximum value separated from said first selected value by a range substantially equal to the modulation range.

2,346,021
INTERNAL COMBUSTION ENGINE
Edwin H. Godfrey, Wenonah, N. J., assignor to Atlantic Diesel Corporation, a corporation of New Jersey
Application November 8, 1938, Serial No. 239,429
8 Claims. (Cl. 123—75)



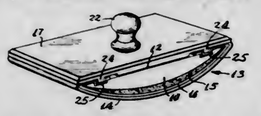
1. An engine comprising a cylinder, scraper rings, a piston in said cylinder, a sleeve valve surrounding the piston in the cylinder and circumferentially engaged by said rings, a crank shaft operatively connected to said piston and said sleeve, a cooling jacket surrounding and supporting said cylinder near opposite ends, said cylinder being interiorly spacedly grooved in order to accommodate said rings and in order to permit bellows-like play between its supported ends.

2,346,022
SPARK ARRESTER
Henry W. Gonia, Buena Park, Calif.
Application October 16, 1943, Serial No. 506,568
4 Claims. (Cl. 110—119)



1. A device of the class described, comprising a stack, a perforate member disposed within the stack below the upper extremity thereof, and said stack having a plurality of openings therein arranged below the perforate member, in combination with a skirt extending about the stack over the openings in the latter and in laterally spaced relation thereto, the space beneath the skirt and surrounding the openings being open to the atmosphere.

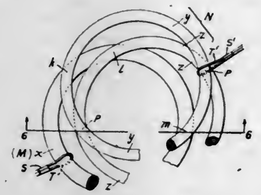
2,346,023
MIMEOGRAPHER
Benjamin Gold, New York, N. Y.
Application November 12, 1942, Serial No. 465,367
6 Claims. (Cl. 101—125)



1. In a postal card size Mimeographer having a platen provided with a curved bottom face for the pad and stencil and a relatively flat top face the end portions of which are for supporting the ends of said stencil, a top plate extending across said platen and having end portions for engaging against the ends of said stencil, screw means for clamping said top plate down on said platen, and transverse ribs on the bottom faces of the end portions of said top plate and engaging complementary grooves in the end portions of the top face of said platen for gripping the end portions of said stencil, serrated bars for gripping the ends of said stencil and extended between said top plate and platen and having projecting ends, and means for holding said bars in several longitudinal positions on said platen while said top plate is being clamped down by said screw means.

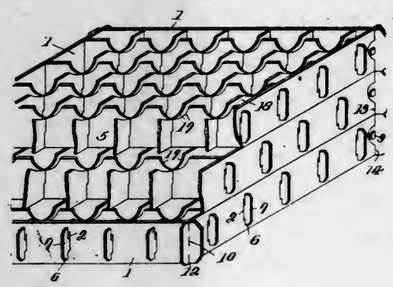
2,346,024
SLIDING CLASP FASTENER
Richard Goldner, Sydney, New South Wales, Australia
Application January 1, 1943, Serial No. 470,954
In Australia November 12, 1941
18 Claims. (Cl. 24—205)

5. In a fastener of the character described, a pair of coiled fastener members attachable to parts to be joined, and means slidably displaceable on the said members for moving the convolutions of the two fastener members to and from intermeshing relation, at least one of the said fastener members being a composite member the convolutions of which are each formed of a group of similar interlinked elements movable relative



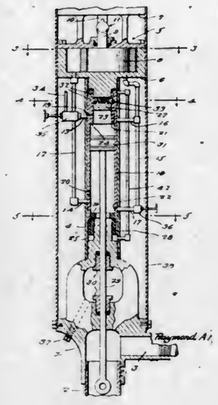
to each other transversely to the longitudinal axis of such member, each fastener member having its successive convolutions spaced from each other so as to form effective interspaces normally narrower than the thickness of a convolution of the respective companion member.

2,346,025
COLLAPSIBLE EGG CARRIER
Francisco Guszmann, Buenos Aires, Argentina
Application April 23, 1941, Serial No. 389,992
In Argentina April 30, 1940
1 Claim. (Cl. 217—31)



A collapsible egg carrier comprising interior interlocking strips having inwardly-extending slots arranged alternately on opposite edges and spaced relatively to each other to the extent of a full-sized egg compartment, said strips having U-shaped cuts at their crossing points for receiving eggs, projecting ends on said strips, end strips having slots therein for receiving said projecting ends, said end strips and said interlocking strips forming full-sized egg compartments and two of said end strips forming a corner being located closer to the adjacent interlocking strips to form approximately half-sized egg compartments which are located alternately on opposite sides in superposed carriers, said end strips each having at one end an interior semi-circular slot with a projection and at the other end spaced slots including a central slot which is in alignment with said projection so that a semi-circularly slotted end of an adjacent end strip may be interlocked by said projection entering the central slot of the other, the portions of the said other end strip adjacent said semi-circular slot being in alignment with and received in the remaining spaced slots.

2,346,026
DEEP WELL PUMP JACK
Raymond A. Henricks, Indianapolis, Ind., assignor of thirty-five per cent to Clay Bush, Indianapolis, Ind.
Application May 4, 1943, Serial No. 485,634
2 Claims. (Cl. 60—52)

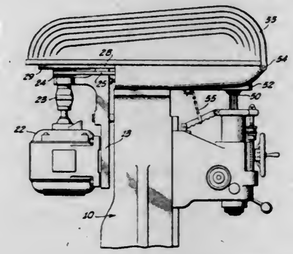


1. A pump operating means comprising a vertical cylinder, means for mounting said cylinder on a well casing, a rod operable in the cylinder and extending into the well casing, a fluid actuated piston on the rod slidable in the cylinder, a pump mounted on the cylinder, means for actuating said pump, a fluid delivery manifold connecting the discharge side of the pump to the cylinder on opposite sides of the piston, a fluid exhaust manifold connecting the intake side of the pump to the cylinder on opposite sides of the piston, a sleeve valve slidable in the cylinder, abutments in the sleeve valve engageable by the piston for actuating said sleeve valve for alternately connecting the manifolds to the cylinder on opposite sides of the piston, and means for accelerating the movement of the sleeve valve, the last named means including a boss depending from the pump into the cylinder in spaced, concentric relation thereto, one end portion of the sleeve valve being slidable on the boss, said one end portion of said sleeve valve having circumferential grooves therein, and spring pressed ball detents in the boss engageable in the grooves.

2,346,027
PROCESS FOR THE MANUFACTURE OF ARYL-ALICYCLIC FATTY ACID ESTERS
Karl Hoffmann and Leandro Panizzon, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application October 4, 1940, Serial No. 359,804. In Switzerland October 25, 1939
8 Claims. (Cl. 260—468)

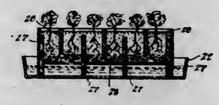
1. A process of the character described, which comprises heating a poly-(α-phenyl)-substituted acid ester of the group consisting of poly-(α-phenyl)-substituted acetic acid esters and poly-(α-phenyl)-substituted glycollic acid esters with hydrogen under pressure in the presence of a base metal catalyst selected from the group consisting of nickel, cobalt and mixtures of these metals, and separating the resultant partially-reduced product after absorption of a quantity of hydrogen sufficient for the reduction of at least one of the phenyl nuclei of the said poly-(α-phenyl)-substituted acid ester but less than required for the reduction of all the phenyl nuclei of the latter has taken place.

2,346,028
VARIABLE SPEED BELT DRIVE
Leo Benjamin Huthsing and Caradoc Mills Gregory, Los Angeles, Calif., assignors to Machinery Manufacturing Co., Los Angeles, Calif., a corporation of California
Application March 2, 1942, Serial No. 433,016
6 Claims. (Cl. 74—217)



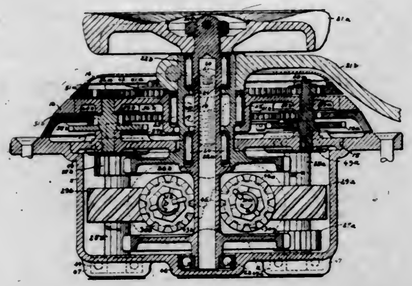
1. A belt drive for jig borers and the like comprising driving, driven, and countershafts, a loose pulley on the driving shaft, means providing a speed-reduction drive between the driving shaft and the loose pulley thereon through the countershaft, a step pulley loose on the driving shaft, a step pulley on the driven shaft, a drive between the step pulleys, and means for optionally locking the step pulley on the driving shaft against rotation relative to the driving shaft so as to be directly driven thereby or locking the step pulley on the driving shaft to the loose pulley thereon so as to be driven thereby at reduced speed, the countershaft being adjustable toward and away from the driving shaft without affecting the adjustment of the drive between the driving and driven shafts.

2,346,029
PLANT WATERING APPARATUS
Harley Y. Jennings, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application December 18, 1937, Serial No. 180,545
2 Claims. (Cl. 47—38)



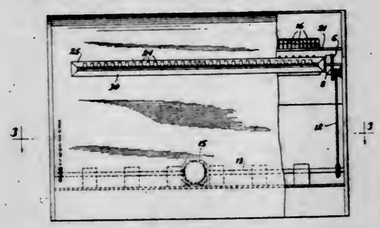
1. An apparatus for furnishing moisture and food to a growing plant comprising a soil container for a plant having one or more openings in the bottom portion thereof, a water container for receiving the lower portion of said plant container, a body of glass wool extending from said water container through said openings in said plant container to the soil receiving portion thereof, and a body of glass wool extending from the inside lower portion of said soil container to the soil level.

2,346,030
MULTIPLE CONTROL DEVICE FOR TABS AND THE LIKE
Robert D. Johnson, New Brunswick, N. J., assignor to Atlantic Diesel Corporation, a corporation of New Jersey
Application May 21, 1941, Serial No. 394,566
19 Claims. (Cl. 74—10)



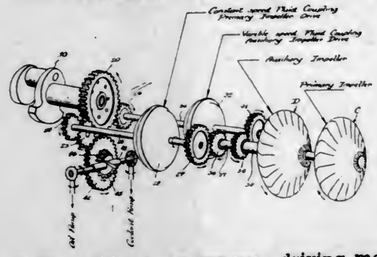
1. A multiple device for controlling tabs on an airplane and comprising a housing, a plurality of concentric, rotatable dials on said housing, manual control means superimposed upon said dials, a plurality of rotatable transmission couplings issuing from said housing, and gear units driven by said control means and each operatively connecting one of said dials with one of said couplings.

2,346,031
AREA MEASURING MACHINE
John L. Jones, Billerica, and James W. Farmer, Watertown, Mass., assignors to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts
Application July 1, 1941, Serial No. 400,682
12 Claims. (Cl. 33—123)



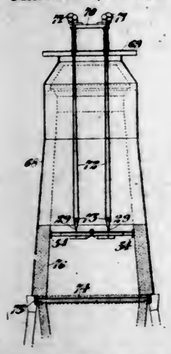
1. In an area measuring machine, the combination with a row of stationary photo-tubes arranged closely adjacent to each other, means for illuminating said tubes, said tubes and said illuminating means being spaced apart for the interposition of a work piece between them, said tubes being so positioned that they respond, respectively, to the illumination of equal units of a scanning area, said units cooperating to form a scanning strip of known length and of such a width as to extend across the entire width of the work piece, a counting circuit and a control circuit for said counting circuit, said control circuit including amplifying tubes operatively connected, respectively, with said photo-tubes so that changes in current from only those photo-tubes from which light is cut off will be transmitted to said counting circuit, and means for energizing said amplifying tubes in rapid succession.

2,346,032
REVERSING ACCESSORY DRIVE ASSEMBLY
James W. Kinnucan, Detroit, Mich., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application July 4, 1942, Serial No. 449,762
3 Claims. (Cl. 74—389)



1. A reversible accessory gear driving mechanism comprising a lay shaft assembly including an intermediate shaft portion and separate shaft extensions coaxially arranged and drivingly connected with said intermediate shaft portion, means carried by said intermediate shaft portion drivingly connecting same with an engine drive element, and accessory driving gears carried by said shaft extension, said intermediate shaft portion reversible end for end and operable for drivingly connecting same with an engine drive element having an opposite rotation to drive said shaft extensions in the same direction of rotation as before, a support for said lay shaft assembly and including a pair of axially spaced bearings, said intermediate shaft portion provided with end bearing portions interchangeably fitting the spaced bearings carried by said support and having means engaged with either of said bearings to locate said intermediate shaft portion in operating engagement with respect to said engine drive element,

2,346,033
CIRCULAR SCAFFOLD
Wilfred Marsden Jordan, Johnstown, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application May 26, 1943, Serial No. 488,490
13 Claims. (Cl. 304—12)

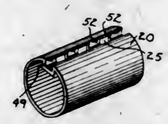


1. A scaffold adapted to be suspended within a tubular structure, comprising a substantially square supporting frame made in two sections, hinges pivotally joining the two sections of the frame, telescoping radial members attached to the top of the frame, and planking mounted on the radial members.

2,346,034
OPEN HEARTH CHARGING ORE
Hobart M. Kraner, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Original application June 14, 1941, Serial No. 398,063. Divided and this application March 24, 1942, Serial No. 436,023
3 Claims. (Cl. 75—3)

1. An ore block consisting of a finely powdered hematite ore pressed in a mold at 2000 to 5000 pounds per square inch pressure, with its natural water as the only binder, and fired about 2100° F. to 2300° F.

2,346,035
METHOD OF MAKING WARP BEAM SLEEVES
John J. Ladden, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 13, 1942, Serial No. 438,771
4 Claims. (Cl. 29—170)



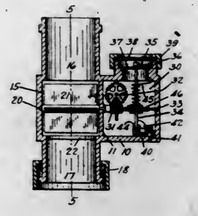
1. The method of fabricating a warp beam forming element from a metallic cylinder consisting in the following steps: punching the cylinder wall to form perforations arranged in a series extending along the length of the cylinder with the circumferentially spaced edges of the perforations aligned in two rows parallel to the cylinder axis, thereby forming bridges integral with the cylinder between perforations, and simultaneously depressing the bridges to form walls aligned with said rows of edges and preventing movement of said rows of edges toward each other while the bridges are being depressed.

2,346,036
BONDING OF METHACRYLATE POLYMERS
Richard E. Leary, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 29, 1940, Serial No. 367,721
5 Claims. (Cl. 154—40)

1. An article comprising two pieces of cast methacrylate polymer cojoined by the cementing action of monomeric methacrylic acid.

2,346,037
RESETTABLE METER FOR INDICATING USE OF RESPIRATOR FILTER CANISTERS
William E. McCormick, Mount Penn, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania
Application October 29, 1942, Serial No. 463,770
2 Claims. (Cl. 73—229)

1. In a meter mechanism for registering the air flow from an air-filtering canister to a respirator comprising a housing having an air-passageway therethrough for filtered air and a separate gear chamber, a measuring propeller in said passageway adapted to be driven by the passing air and having a shaft extending into said gear chamber, a visible scale in one wall of said gear chamber having an indicator finger cooperating with said scale and an operating shaft for said finger, and gears connecting said operating shaft with said propeller shaft extension, means for resetting said indicator finger to a starting position on said scale, comprising a bearing seat for one end of said finger-operating shaft movable to disengage said gears, a spring for said operating shaft tensioned to reversely turn the same, and a button in a chamber wall aperture manually operative to move said shaft bearing seat so as to disengage said gears and free said operating shaft for reverse turning by said tensioned spring.



2,346,038
PICKUP CANE
William H. Mason, Leesburg, Ohio
Application November 11, 1942, Serial No. 465,219
9 Claims. (Cl. 294—19)

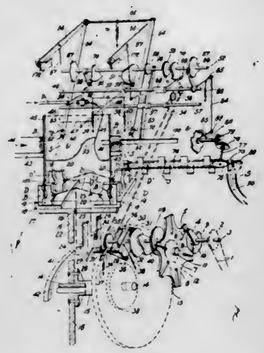


1. A pick-up cane having pivoted thereto near its lower end a pick-up finger, said cane having a longitudinal recess in which said finger is substantially concealed and means connected with the cane for causing said finger to swing in an arc approximately of 180 degrees in the plane of the cane.

2,346,039
METHOD OF FORMING WOODEN SPOONS FROM BLANKS
Stephen F. Montague, Oswego, N. Y., assignor to Berst-Forster-Dixfield Company, New York, N. Y., a corporation of Maine
Application December 7, 1939, Serial No. 307,954
9 Claims. (Cl. 144—309)

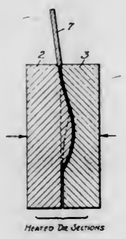
1. The method of forming wooden spoons and the like which comprises; positioning a flat blank of predetermined peripheral contour between two opposed die sections of a die couple which are heated to a temperature sufficient to convert concomitant moisture into steam, moistening said blank, and closing the two die sections of said die couple upon said blank by successive stages of additive partial closing movement until they are completely closed on the blank, and interspersing between said successive stages of

partial closing movement intervening periods of fixed die section relation throughout each of



which the two die sections of the die couple are held against opening movement.

2,346,040
WOODEN SPOON AND METHOD OF MAKING THE SAME
Stephen F. Montague, Oswego, N. Y., assignor to Berst-Forster-Dixfield Company, New York, N. Y., a corporation of Maine
Application December 7, 1939, Serial No. 307,955
15 Claims. (Cl. 144—309)

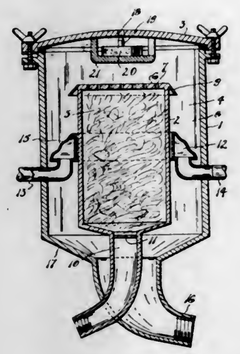


1. As a new article of manufacture, a single ply wooden spoon or the like, at least a portion of the handle of which is of uncompressed thin wood stock while the remainder of the length of said article is in compressed state and of reduced thickness with heat polished surfaces.

2,346,041
PRINTING TEXTILES WITH PIGMENTS
Willard L. Morgan, Edgewood, and Norman L. Vaughn, Providence, R. I., assignors to Arnold, Hoffman & Co. Incorporated, a corporation of Rhode Island
No Drawing. Application June 21, 1941, Serial No. 399,230
3 Claims. (Cl. 106—170)

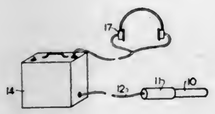
1. A self emulsifying base suitable for the formation of an oil in water emulsion textile printing paste by dilution with water comprising a binder selected from the group consisting of urea formaldehyde and ethyl cellulose 5%, lacquer solvents 77%, a water soluble soap of a fatty acid of at least twelve carbon atoms 12.18%, fatty acid of at least sixteen carbon atoms .70%, and water 5.12%.

2,346,042
LUBRICATING OIL RECLAIMER
Bruce Morris, Calgary, Alberta, Canada
Application March 28, 1942, Serial No. 436,545
In Canada July 7, 1941
2 Claims. (Cl. 210—122.5)



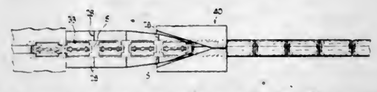
1. A lubricating oil reclaimer comprising in combination inner and outer casings, said inner casing being spaced from said outer casing to provide an encircling drip chamber, an oil inlet communicating with said inner chamber at the base thereof, filtering material within said inner chamber, at least one oil discharge point at the top of said inner chamber, a heating element at least partially encircling said inner chamber, oil which has been filtered passing outwardly at said discharge point and dripping onto said heating element and an oil return in said outer casing.

2,346,043
PIPE-LINE LEAK DETECTING METHOD
Karol J. Mysels, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 2, 1942, Serial No. 433,018
9 Claims. (Cl. 250—83.6)



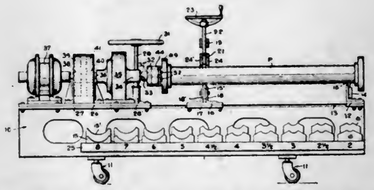
1. A method of finding leaks in a pipe line through which fluid is flowing, comprising the steps of introducing soluble radioactive material into said flowing fluid allowing said material to become relatively uniformly distributed within the portion of said pipe line being tested and to accumulate outside said pipe line adjacent leaks therein, and measuring the intensity of emanations from radioactive material along the length of the pipe line, whereby an increase in said intensity indicates the presence of a leak.

2,346,044
METHOD OF PACKAGING RAZOR BLADES
Ross Nadeau, Newark, N. J.
Application August 8, 1940, Serial No. 351,858
8 Claims. (Cl. 93—3)



1. A continuous process method of wrapping razor blades comprising coating a strip of blade wrapping material with an adhesive substance, moving said strip of blade wrapping paper in an axial direction, depositing blades on said moving strip at predetermined spaced intervals, said strip being wider than said blades, folding over opposite longitudinal edges of said moving strip inwardly towards each other to overlap and to form a tubular container which is retained in overlapped position by said adhesive substance and having blades contained therein, said blades being spaced from each other and cutting said tubular member transversely between adjacent blades to form individual blade packages, said adhesive substance being so positioned as to overlie the line of cutting and of such nature as to automatically seal the cut ends of each individual blade package by the pressure of the cutting action.

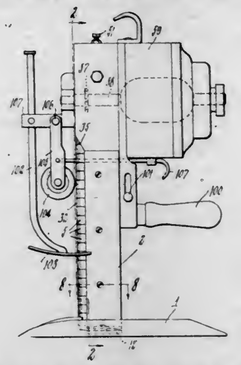
2,346,045
PIPE FABRICATING MACHINE
George R. Newlon, Point Pleasant, W. Va., assignor to Marietta Manufacturing Company, Point Pleasant, W. Va., a corporation
Application June 18, 1941, Serial No. 398,691
2 Claims. (Cl. 29—27)



1. A pipe fabricating machine comprising, an elongated bed frame having a slideway extending longitudinally thereof, a pipe rest slidably mounted on said slideway for supporting one extremity of a pipe, a pipe clamping member having a base adjustably secured to said slideway, a carriage also mounted to slide in said slideway, a tool-holder adapted to mount a plurality of fabricating tools, each having a similar mounting member provided with holes therein, said tool-holder being in the form of a disc having drive pins projecting therefrom mounted on said carriage together with a driving motor and interposed speed reduction unit for said tool-holder, said pins being adapted to mate with said holes in the mounting members of the respective tools, and means for advancing and retracting said carriage to bring a tool into and retract it from operative engagement with a pipe held by said clamp.

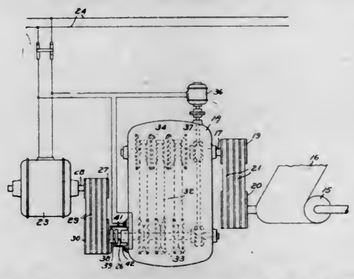
2,346,046
CUTTING MACHINE
Floyd H. Ogden, Arlington, Mass.
Application September 2, 1943, Serial No. 500,901
14 Claims. (Cl. 30—274)

1. A cutting machine, comprising members defining an endless track, a series of separate cutting elements guided for motion by said members around said track, adjacent elements contacting, and means located at one part of



said track for successively engaging said elements and pushing the series of elements around said track.

2,346,047
CONSTANT TENSION DRIVE
Eugene J. Otto, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 8, 1940, Serial No. 333,897
8 Claims. (Cl. 74—230.17)

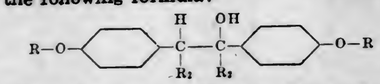


1. A constant tension drive for a winding roll, comprising a motor, a speed changer provided with an input shaft and an output shaft, means connecting said motor to said input shaft comprising a pulley mounted for limited rotary movement with respect to its shaft, resilient means biasing said pulley toward one angular position with respect to its shaft, and means responsive to relative angular movement of said pulley on its shaft against the pressure of said spring for changing the speed ratio of said speed changer.

2,346,048
METHOD OF PRODUCING DIALKOXY STILBENES
Ewald Rohrmann, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application February 13, 1941, Serial No. 378,775
12 Claims. (Cl. 260—613)

1. The method of producing a disubstituted stilbene of predominantly "trans" form, which comprises subjecting to the presence of a halide selected from the class consisting of boron trichloride, boron trifluoride, the reactive complex

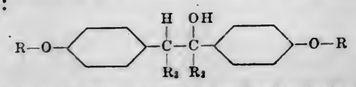
of boron trichloride, and the reactive complex of boron trifluoride, a composition represented by the following formula:



in which R in each case is a radical selected from the class consisting of alkyl radicals, aliphatic carboxylic acyl radicals, and aracyl radicals, and R_2 in each case is an alkyl radical.

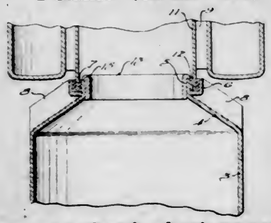
2,346,049
METHOD OF PRODUCING DIALKOXY STILBENES
Ewald Rohrmann, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application February 13, 1941, Serial No. 378,776
13 Claims. (Cl. 260—613)

1. The method of producing a disubstituted stilbene of predominantly "trans" form, which comprises subjecting to the presence of iodine a composition represented by the following formula:



in which R in each case is a radical selected from the class consisting of alkyl radicals, aliphatic carboxylic acyl radicals, and aracyl radicals, and R_2 in each case is an alkyl radical.

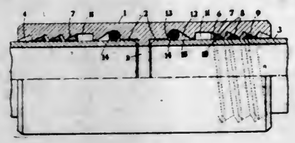
2,346,050
FURNACE CONSTRUCTION
Meyer Rosen, Monroe, Mich.
Application January 27, 1941, Serial No. 376,037
1 Claim. (Cl. 126—144)



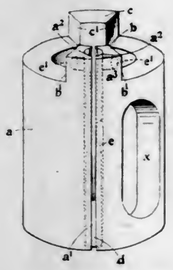
In a furnace, a chamber having a portion tapering toward an outlet opening defined by a collar in which the products of combustion are concentrated when passing from the chamber causing over heating of the collar material, and an element of heat resisting material divided into a plurality of sections having a flange extending from the outer surface thereof for positioning the sections over the inner surface of the collar when in engagement therewith to prevent the direct heating of the collar material at the point of heat concentration.

2,346,051
PIPE AND OTHER COUPLING
Lewis Mervyn Cecil Seamark, Pyne Cliff, Lyme Regis, England
Application August 3, 1942, Serial No. 453,385
In Great Britain June 16, 1942
12 Claims. (Cl. 285—193)

1. A coupling or connection of plug and socket type in which one part has formed upon it a helical thread adapted for the reception axially of a helix of metal by which the respective parts of the coupling are connected, the helix having an interstitial helical space between adjacent convolutions, and an elastic characteristic, and its convolutions having a contact face for engagement with the part of the coupling complementary to that upon which the helical thread is formed, and an opposite sliding contact face bearing on one flank of the helical thread that is wider than the cross-section of the convolutions, and leaving a space between the convolutions and the other flank of the thread, in which the expansion or contraction of the helix is permitted.



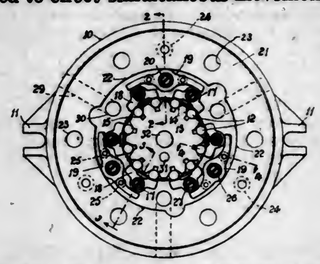
2,346,052
VALVE
Lewis Mervyn Cecil Seamark, Lyme Regis, England
Application August 14, 1943, Serial No. 498,620
In Great Britain August 25, 1942
7 Claims. (Cl. 251—96)



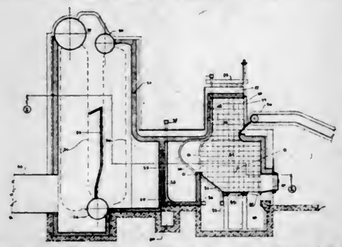
1. A rotary valve in which the valve is a tubular sleeve slotted lengthwise from end to end, the opposite lengthwise faces of the slot being formed as complementary and coincident grooves, which together form a lengthwise cavity, a valve body having a cavity therein for the sleeve, of a form corresponding to the external form of the sleeve, a compressible spring device adapted for insertion within said lengthwise cavity and means for the compression of the spring device and its extension respectively for the circumferential contraction of the sleeve to permit of its free rotation, and for the circumferential expansion and immobilisation of the sleeve in the open, closed or other position in the valve body.

2,346,053
MULTIPLE CHUCK
Paul J. Smith, Ferndale, Mich.
Application September 9, 1943, Serial No. 501,711
10 Claims. (Cl. 90—59)

1. In a device of the class described, a baseplate, a circular series of fixed work supports, a circular series of radially movable clamping jaws opposed to said supports, each jaw spanning a plurality of said supports, and a rotatable cam disposed to effect simultaneous movement of said jaws toward said supports when said cam is rotated for that purpose.



2,346,054
INCINERATOR
Alden E. Stilson, Forest Hills, N. Y., assignor to Morse Boulger Destructor Company, Inc., New York, N. Y., a corporation of Delaware
Application February 23, 1940, Serial No. 320,265
2 Claims. (Cl. 122—2)

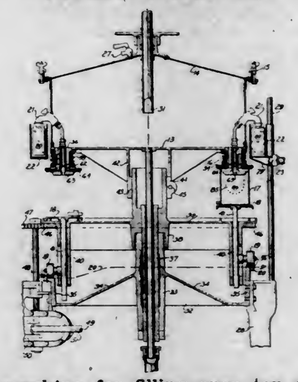


2. Apparatus of the character described comprising in combination an incinerator for burning waste developing temperatures substantially above normal boiler temperatures, a boiler connected by a passage with said incinerator for utilizing the heat developed therein, a series of water tubes in said incinerator extending across said passage, certain of said tubes forming a hearth for the waste, means in the upper portion of said incinerator for charging waste upon the hearth, and means for resiliently mounting said tubes to protect them against impact of falling waste.

2,346,055
MANUFACTURE OF GOODS OF OR CONTAINING SPONGELIKE OR CELLULAR RUBBER
Stanley Douglas Taylor, Sutton Coldfield, and Donald Whitworth Pounder, Moseley, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
No Drawing. Application December 28, 1940, Serial No. 372,168. In Great Britain January 31, 1940
6 Claims. (Cl. 260—723)

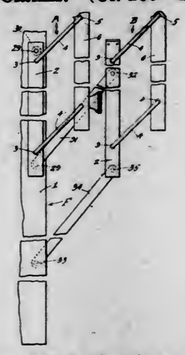
1. A process for the production of sponge-like or cellular rubber from aqueous dispersions of the kinds hereinbefore specified which comprises incorporating in the aforesaid dispersion a gelling agent for rubber dispersions and a substance capable of decomposing to evolve a gas on treatment with acid, effecting gelling of the dispersion under conditions producing a substantially non-porous coagulum and treating the thus gelled rubber dispersions with acid.

2,346,056
FILLING MACHINE
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 9, 1940, Serial No. 323,153
6 Claims. (Cl. 226—98)



6. A machine for filling open top containers with a viscous substance, comprising a supporting framework, an enclosed reservoir having a series of ports formed in the bottom thereof, a series of container carriers beneath said ports, means to rotate said reservoir and carriers in unison, means for maintaining a supply of viscous substance in said reservoir under pressure, valve means normally closing said ports, means on said framework for raising said carriers during the united rotation of said reservoir and carriers to raise said containers with the open top thereof in engagement with the valve means for opening said ports, an open trough having an outlet formed therein and arranged on said framework concentric with said reservoir, vent means associated with said valve means for discharging excess substance into said open trough, a wiper extending into said open trough, and means for moving said wiper through the trough to urge the excess substance to the outlet formed in said trough.

2,346,057
WINDOW BLIND
Burt Warren Touchstone and William Mary Touchstone, Haughton, La.
Application September 28, 1943, Serial No. 504,154
7 Claims. (Cl. 160—115)



1. A window blind structure comprising two pairs of bars, a plurality of links coupling the bars of each pair together whereby one bar of each pair may be swung toward and from the

other, members connecting the bars of each pair at spaced points therealong, and fabric slats interposed between the two pairs of bars and connected to the longitudinally spaced members.

2,346,058
CONSTANT-VELOCITY JOINT

Thomas Alfred Waldron, Birmingham, England, assignor to Spicer Manufacturing Corporation, Toledo, Ohio

Application September 9, 1942, Serial No. 457,703
In Great Britain October 22, 1941
8 Claims. (Cl. 64—21)



1. A constant-velocity joint between two shaft-ends, comprising a pair of trunnion blocks carried by each shaft-end, an intermediate member providing two pairs of jaws between which are co-planar slots having parallel faces, said pairs of trunnion blocks working in said slots, respectively, a steel sleeve enveloping said intermediate member and serving for the support of said jaws against bending when the joint is transmitting torque and pads interposed between said intermediate member and said sleeve for locating said trunnion blocks within said jaws.

2,346,059
CARBALKOXYLATION OF ORGANIC COMPOUNDS

Vernon H. Wallingford, Ferguson, and August H. Homeyer, St. Louis, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

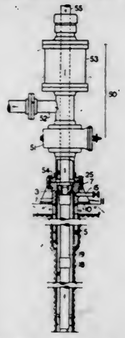
No Drawing. Application July 28, 1939, Serial No. 287,001
16 Claims. (Cl. 260—475)

1. The process for the carbalkoxylation of phenylacetic esters which comprises reacting a phenylacetic ester with a substantially alcohol-free alkali metal alcoholate and a dialkyl carbonate.

2,346,060
METHOD AND APPARATUS FOR SETTING WELL CASING

Charles A. Yeatman, Los Angeles, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application March 18, 1941, Serial No. 383,949
5 Claims. (Cl. 166—1)

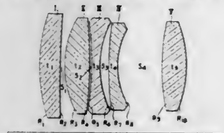


1. The combination of a casing head having an axial bore constricted by a tapered annular shoulder, a casing coupling having spaced radial outwardly projecting ribs, each of said ribs having an upper horizontal face spaced a short distance below the upper end of said coupling and a lower inwardly tapering face adapted to seat on said shoulder, and means for closing the passages formed between said spaced ribs, said means comprising an annular sealing member insertable between the walls of said axial bore and said coupling above said ribs, said sealing member being adapted to be permanently secured to said walls and said coupling.

2,346,061
PHOTOGRAPHIC OBJECTIVE

Fred E. Altman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 11, 1942, Serial No. 442,422
6 Claims. (Cl. 88—57)



EXAMPLE 1			f/1.9		f = 100 mm
LENS	N_D	V	RADII		THICKNESSES
I	1.744	45.7	R_1 = + 81.1 mm		t_1 = 10.2 mm
			R_2 = +1463.0		s_1 = 2.0
II	1.620	60.4	R_3 = + 46.8		t_2 = 11.7
			R_4 = −1599.0		s_2 = 1.24
III	1.617	36.8	R_5 = + 197.4		t_3 = 4.1
			R_6 = − 43.4		s_3 = 3.8
IV	1.649	30.9	R_7 = + 228.2		t_4 = 4.2
			R_8 = − 37.0		s_4 = 29.3
V	1.620	60.4	R_9 = − 102.8		t_5 = 11.4
			R_{10} = Sa.S		

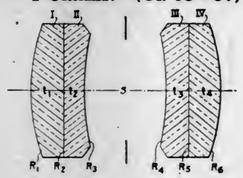
EXAMPLE 2			f/1.9		f = 100 mm
LENS	N_D	V	RADII		THICKNESSES
I	1.744	45.7	R_1 = + 85.1 mm		t_1 = 9.7 mm
			R_2 = +1680.0		s_1 = 2.1
II	1.620	60.4	R_3 = + 48.2		t_2 = 11.8
			R_4 = −1609.0		s_2 = 1.24
III	1.617	36.8	R_5 = + 193.5		t_3 = 4.0
			R_6 = − 43.0		s_3 = 3.8
IV	1.649	30.9	R_7 = + 225.8		t_4 = 4.1
			R_8 = − 36.7		s_4 = 29.2
V	1.620	60.4	R_9 = − 114.2		t_5 = 12.8
			R_{10} = − 55.8		

1. A high aperture photographic objective consisting of five simple uncemented lens elements of which the front two are positive with their respective front surfaces more strongly curved, the next two are negative with their respective rear surfaces more strongly curved and the rear element is positive, and in which the rear air space is greater than the sum of the other three air spaces.

2,346,062
LENS

Fred E. Altman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 5, 1942, Serial No. 445,856
4 Claims. (Cl. 88—57)



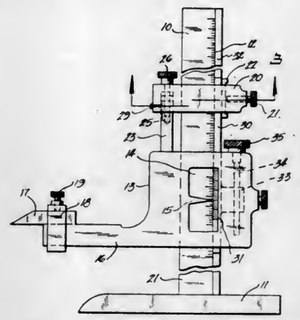
f = 100 mm			f/8		COVERING POWER 2f
LENS	N_D	V	RADII		THICKNESSES
I	1.744	45.8	R_1 = +62.7 mm		t_1 = 11.1 mm
			R_2 = ∞		t_2 = 7.4
II	1.649	33.8	R_3 = +101.2		
					s = 27.8
III	1.649	33.8	R_4 = −101.2		t_3 = 7.4
			R_5 = ∞		t_4 = 11.1
IV	1.744	45.8	R_6 = −62.7		

1. A photographic objective consisting of two compound meniscus components concave toward a diaphragm therebetween, each component including a positive element whose index of refraction is greater than 1.7 and all of the elements in the objective having indices of refraction greater than 1.62, in which each of the concave surfaces facing the diaphragm has a radius of curvature about equal to the focal length of the objective and greater than the radius of either of the outer surfaces of the objective.

2,346,063
VERNIER HEIGHT GAUGE

Joseph Bardega, Detroit, Mich.

Application October 29, 1943, Serial No. 508,209
3 Claims. (Cl. 33—170)



1. In a height gauge of the kind described, an upright beam having one side marked with calibrations, a vertically sliding head on said beam, including a pointer directed at said calibrations and a lateral arm adapted to support a scriber, a sliding clamp on said beam, spaced from said head, a member connecting the head to the clamp, means to adjust the spacing between them, said member having an expanded portion within a recess in the head and provided with a circular socket therein, a vernier ruler slidingly abutting the calibrated side of the beam, a disk fitting into said circular socket and having an eccentric bore, a pin connected to said head and passing through said bore, an arm extending radially from said disk to the sliding ruler and screw means to vertically move said sliding ruler and to vertically shift said head by means of said pin seated in the eccentric bore of said disk.

2,346,064
VEHICLE OR IMPLEMENT POLE

William L. Braley, Springfield, Ohio, assignor to Oliver Farm Equipment Company, a corporation of Delaware

Application July 16, 1941, Serial No. 402,599
3 Claims. (Cl. 278—38)



1. A vehicle pole comprising two longitudinally extending members of substantially U-shaped formation in cross section, the opposite sides of said U-shaped members having inwardly extending horizontal flanges offset with respect to each other and complementary to and contacting the flanges of the other member, and means for securing said complementary flanges together by welding the contiguous surfaces of said flanges at spaced apart intervals.

2,346,065
PRODUCTION OF NEUTRAL TONES IN PHOTOGRAPHIC EMULSIONS

Burt H. Carroll and Cyril J. Staud, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

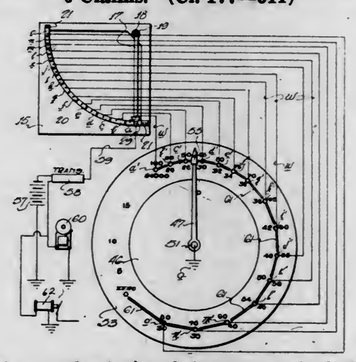
No Drawing. Application September 23, 1941, Serial No. 411,976
8 Claims. (Cl. 95—6)

1. The method for producing neutral tones in gelatino-silver halide emulsions which comprises ripening the emulsion and adding to it thereafter an aryl substituted thiohydantoin.

2,346,066
OVERLOAD AND RADIUS INDICATOR FOR CRANES

Joshua C. Conrad, Oklahoma City, Okla.

Application October 12, 1942, Serial No. 461,689
6 Claims. (Cl. 177—311)
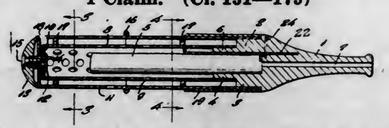


1. An overload signal for cranes including in combination with the boom and dead line of a crane, a panel having thereon an arcuate series of electrical contacts, a wiper contact arranged for movement over said contacts as said boom is vertically actuated, a dial having thereon a circular series of contacts connected in circuit with corresponding contacts of said panel, a boom load exhibiting pointer operable over said dial contacts, means connected to and responsive to variations in tension imposed on said dead line for operating said pointer, a signal circuit and means carried by said wiper and said pointer for closing said circuit through selected corresponding contacts when the hoisted load is in excess of the boom capacity at a given load radius.

2,346,067
CIGARETTE HOLDER

Antonio Di Rubbio, Brooklyn, N. Y.

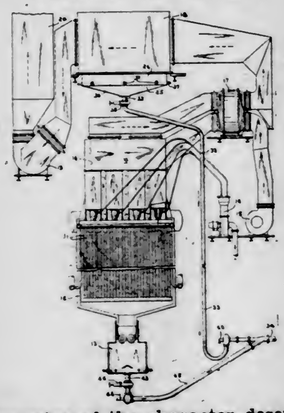
Application December 22, 1941, Serial No. 424,047
1 Claim. (Cl. 131—175)



A cigarette holder comprising a mouth bit having an outer end bore for the insertion of one end of a cigarette therein, said outer end being stepped down and providing a pair of relatively large and small annular shoulders concentric to said bore, a pair of relatively large and small outer and inner perforated shells extending from said bit in spaced apart relation

and having open inner ends sleeved onto said large and small shoulders, respectively, and thereby maintained in concentric relation, the outer ends of the shells being closed, and means to connect said outer ends in concentric relation comprising a tubular internally threaded and flanged nut extending axially through said closed ends with the flange innermost, a cap piece opposed to the outer end of the outer shell, a screw extended through said cap piece and threaded into said nut, and a washer on said nut between the outer ends of the shells.

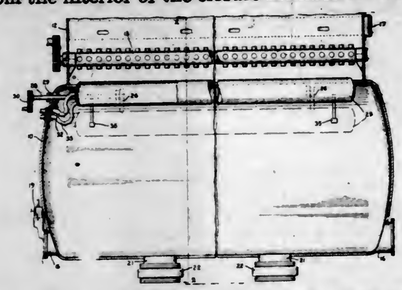
2,346,068
MATERIAL-HANDLING APPARATUS
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 10, 1941, Serial No. 422,415
2 Claims. (Cl. 110—165)



1. Apparatus of the character described comprising a furnace; a separator for removing fly ash from the furnace gases; a hopper positioned beneath the separator and adapted to receive the fly ash therefrom; means providing an air-tight seal between the hopper and separator, said hopper having a discharge opening adjacent its lowest portion; a plurality of nozzles disposed adjacent the periphery of the hopper bottom and adapted to direct jets of water along the hopper bottom towards the discharge opening; a main ash and refuse discharge pipe located at a materially lower level than the hopper; a closed conduit extending from the discharge opening to said main discharge pipe for gravitational discharge of fly ash and water from the hopper; and a water seal for the conduit.

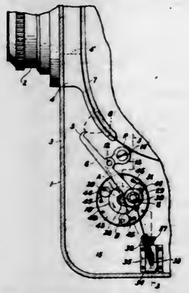
2,346,069
VALVE CONSTRUCTION
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 8, 1943, Serial No. 471,669
4 Claims. (Cl. 137—68)

1. Apparatus of the character described comprising a closed tank having a relatively long and narrow inlet opening in its top wall; a long and narrow closed cylindrical closure member for said opening, said cylindrical closure member being of a greater diameter than the width of the opening; means for filling the tank with liquid; means for supplying liquid to and withdrawing liquid from the interior of the closure member to render



the latter heavy or buoyant for moving it to open or closed positions; and means for guiding said closure member during such movement.

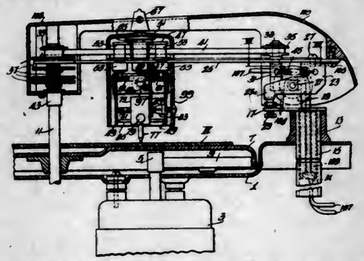
2,346,070
FILM ADVANCING ASSEMBLY
Albert B. Fuller, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 24, 1941, Serial No. 403,809
6 Claims. (Cl. 88—18.4)



1. In a film advancing assembly, the combination with a frame, a film engaging means for intermittently advancing a film and having a part rotatable in a circular path, and a spring member attached to said frame and for exerting an effort upon said part, of a driving means rotatable about an axis and having a crank arm for displacing said part with respect to the point of application of said spring member, said part, spring member and driving means being relatively arranged to store energy in said spring member until said point of application thereof crosses the center line between said axis and the part of said film engaging means whereupon the energy so stored acts to move said part and film engaging means rapidly and independently of the crank arm of said driving means for intermittent advancement of said film.

2,346,071
PHONOGRAPHIC APPARATUS
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1942, Serial No. 432,866
3 Claims. (Cl. 274—13)

1. In phonographic apparatus, the combination of a turntable including a spindle and adapted to support a record threaded on said spindle, a supporting arm extending radially across said turntable, a pair of pulleys on said arm, power transmitting means coupling said spindle to one of said pulleys whereby rotation of said spindle will effect rotation of said last named pulley, an endless belt trained around said pulleys for movement in response to said last named pulley, a carriage slidably mounted on said supporting arm, a signal translating device pivotally mounted on said carriage for movement into and out of engagement with the record, a clutch device for connecting said carriage to said belt, said clutch device comprising relatively fixed and movable members on said carriage, and a manually operable cam associated with said clutch device and with said translating device, said cam being piv-

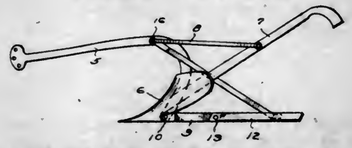


otally mounted for movement into one position wherein it causes said translating device to be moved into engagement with the record while simultaneously causing said movable member to move toward said fixed member to clamp one strand of said belt therebetween and thereby connect said carriage to said belt, and into another position wherein it causes said translating device to be moved out of engagement with the record while simultaneously freeing said movable member to move back away from said fixed member to thereby release said strand and disconnect said carriage from said belt.

2,346,072
PRODUCTION OF SILAGE
Sidney B. Haskell, Larchmont, N. Y., and Edward W. Harvey, Highland Park, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 14, 1942, Serial No. 430,926
3 Claims. (Cl. 99—8)

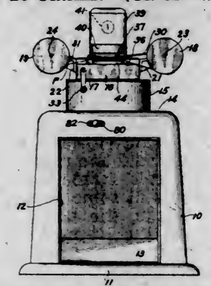
1. The process for increasing the feeding value of grass silage and preserving the same which comprises incorporating in grass to be stored in a silo 0.2% to 2% of an acid salt from the group consisting of mono-ammonium and di-ammonium phosphates and urea acid phosphate.

2,346,073
GROUND BREAKING ATTACHMENT FOR LISTER PLOWS
Andrew J. Holder, Elgin, Tex.
Application September 16, 1942, Serial No. 458,537
2 Claims. (Cl. 97—133)



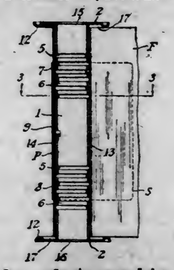
1. A ground breaking attachment for plows comprising a pair of rearwardly and outwardly extending blades having longitudinally extending parallel front ends, an arm connecting said front ends of the blades to the plow at the heel portion thereof, said arm being disposed horizontally in the plane of the bottom of the plow, said blades being twisted at the junction of their attached front ends to position the front face of the blades in a rearwardly inclined angle, a transverse brace connecting the blades adjacent their rear ends, and braces connected to the first named brace adjacent the ends of the latter and extending forwardly therefrom and attached to the beam of the plow at a point above the latter.

2,346,074
FILM HANDLING APPARATUS
Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 28, 1942, Serial No. 440,807
10 Claims. (Cl. 88—24)



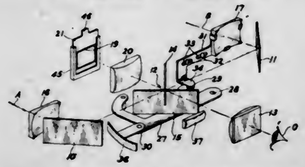
1. In a mechanism for scanning movement of a film strip with respect to an observation position, the combination comprising a casing having an observation position, a supporting means movably mounted on said casing and for two-dimensional movement of a film strip with respect to said observation position, and an intermediate means including two members pivotally connected to each other about one axis, one of said members being pivotably connected to said casing about another axis which is transverse to said one axis, and the other of said members being operatively connected to said support for obtaining a two-dimensional movement of said film strip with respect to said observation position.

2,346,075
FILM SPOOL
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 23, 1942, Serial No. 444,169
10 Claims. (Cl. 242—70)



1. A spool for photographic film cartridges comprising, in combination, an inner cylindrical shaped extensible core, an outer inextensible core substantially surrounding the inner core, and flanges attached to the ends of the cylindrical shaped core.

2,346,076
COMBINED VIEW AND RANGE FINDER FOR CAMERAS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 19, 1942, Serial No. 447,648
17 Claims. (Cl. 95—44)

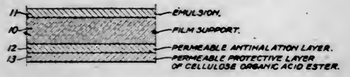


1. An optical system for a combined view and range finder comprising in combination a range finder means for forming with light from an object two light beams from spaced view points, view finder frame defining means outside of the paths of the range finder beams, and including a frame and a positive lens near the frame for forming a virtual image thereof at a distance conjugate to the frame-to-lens distance, and means for combining said two range finder beams and the light from said frame for simultaneous viewing of the object at some apparent distance and the virtual image, the power of said lens and the distance to the frame being such that said virtual image is formed within the range of the range finder.

2,346,077
METHOD OF TONING PHOTOGRAPHIC IMAGES
Howard A. Miller, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 25, 1941, Serial No. 420,369
11 Claims. (Cl. 95—88)

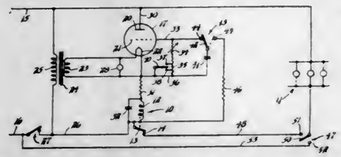
1. The method of restraining cold tones and producing warm tones in toning a photographic silver salt image, which comprises treating the image in an alkaline solution of a toning agent selected from the group consisting of acetyl thiourea and thioacetamide, containing a restraining agent selected from the group consisting of thiobarbituric acid, rhodanine, 1-acyl-2-thiohydantoins, dialkyl thioureas, thiobenzanilide, and thioacetanilide.

2,346,078
ANTIHALATION PROTECTIVE LAYER
Gale F. Nadeau and Richard F. Miller, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 22, 1941, Serial No. 420,088
6 Claims. (Cl. 95—9)



1. A light sensitive photographic film comprising a support carrying a silver halide emulsion layer on one side thereof, on the other side an antihalation layer of cellulose organic acid ester permeable to, but not soluble in, photographic processing solutions, and over the antihalation layer a protective layer of cellulose organic acid dicarboxylic acid ester permeable to photographic processing solutions.

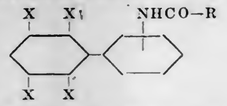
2,346,079
ELECTRICAL TIMING APPARATUS
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 17, 1942, Serial No. 458,699
26 Claims. (Cl. 161—26)



1. Electrical timing apparatus, comprising in combination, normally electrically energized current responsive means to be deenergized for a predetermined time, a pair of power supply terminals adapted for connection to a source of electrical energy, an electrical discharge device including an anode, a cathode, and a control electrode, means connecting said anode to one of said power supply terminals, means connecting said current responsive means between said cathode and said other power supply terminal, means connecting said cathode and said control electrode including an electrical resistance, a condenser having a pair of terminals, means connecting one of said condenser terminals to said cathode, and switch means for selectively connecting the other of said condenser terminals to said other power supply terminal to charge said condenser and to said control electrode to discharge said condenser through said resistance.

2,346,080
ACYLAMINOHYDROXYDIPHENYL COUPLER
Henry D. Porter, Arnold Weissberger, and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 12, 1942, Serial No. 446,776
4 Claims. (Cl. 95—6)

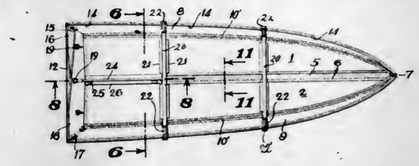
1. A gelatino-silver halide emulsion for color photography containing a substantially non-diffusing color-forming compound having the following structural formula:



where one X is a hydroxyl group and the other X's are hydrogen atoms, and R is a group selected from the class consisting of aryl and aryloxy alkyl groups, and alkyl groups having a carbon chain of at least 11 carbon atoms, the nucleus containing the acetamide group being free of hydroxyl groups.

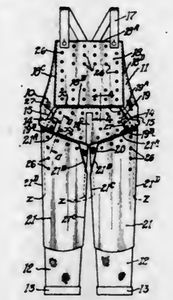
2,346,081
COLLAPSIBLE BOAT
Benjamin F. Randrup, Brisbane, Calif.
Application May 4, 1942, Serial No. 441,572
1 Claim. (Cl. 9—2)

In a collapsible boat, a pair of oppositely inclined elongated bottom members having upwardly curved forward edges, the said bottom members being flexibly joined one to the other along their adjacent longitudinal and forward edges, the said members being each substantially flat when not in a set-up position but having a convex shape near their forward ends when in a set-up position, the said bottom members being arranged to fold one toward the other, an elongated side member flexibly secured along its longitudinal lower edge to the upper edge of each bottom member, the said side members being each foldable upon its adjacent bottom member, a foldable rear member secured to the rear ends



of the bottom and side members, a plurality of substantially U-shaped frame members removably mounted to hold the side, bottom and rear members in spread-apart positions, detachable fastening means for securing the side members to the U-shaped members, a rear re-enforcing panel hinged to the rear end of each of the side members and arranged to extend across the rear end of the boat, and a removable brace interposed between the rear panels and one of the frame members.

2,346,082
GARMENT
George Riedl, Aberdeen, Idaho
Application December 15, 1941, Serial No. 422,933
8 Claims. (Cl. 2—227)

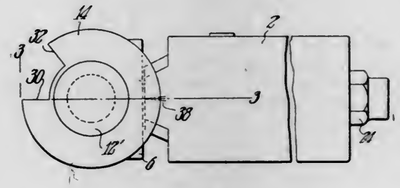


1. A unitary garment of fabric having a chest portion, an abdominal portion and leg portions, including separate protective cover sections of a wear-resisting material different from the garment fabric secured to each of said garment portions, the marginal edges of the abdominal protective cover section being slightly spaced from the adjacent margins of the chest and leg protective cover sections, said spaced marginal edges of said sections being disposed along the lines of flexure between said portions of the body of the garment user, said cover sections for said leg portions being secured to the overall fabric at their upper ends and along their sides to a distance above the knee sections thereof whereby the lower end portions of said leg cover sections have free movement independent of the lower end portions of the garment legs, and an adjustable strap for each of said leg covers extending from the sides thereof to the back of the leg.

2,346,083
POLY-DISPERSE SYSTEM
Jack D. Robinson and Frederick J. Myers, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 28, 1940, Serial No. 358,838
11 Claims. (Cl. 260—3)

1. An aqueous poly-disperse system having in the disperse phase discrete particles containing rubber and separate particles of a homogeneous, heat-nonconvertible, flexible, highly condensed and polymerized plastic mass with limited thermoplasticity which comprises the reaction product obtained by simultaneously working and heating between about 120° C. and about 180° C. an oil-modified alkyd resin and an organic solvent-soluble carbamide-aldehyde-alcohol condensate.

2,346,084
TOOL
Stanley Sanocki, Chicopee, Mass.
Application March 5, 1943, Serial No. 478,073
1 Claim. (Cl. 29—98)



A tool of the class described comprising in combination, a support having a longitudinal shank bore provided with a tapering portion at its forward end, a head member at the forward end of the support having a shank rigidly connected thereto disposed in the shank bore provided with a tapering part in the tapering portion thereof and a free threaded end at the rear end of the support, a nut threadedly engaging the threaded end of the shank for abutting the rear end of the support and drawing the tapering part of the shank into the tapering portion of the bore, said head member provided with a bolt bore disposed on an axis disposed in opposition to that of the shank bore, a cutter bolt extending through said bore having a head spaced from one side of said head and provided with a key, a cutter on said bolt between the head thereof and said head member provided with a keyway receiving said key, said cutter bolt having a nut in threaded engagement with the end thereof at the other side of said head member, said cutter having a peripheral portion of a certain counter with a portion thereof cut away to provide a cutting edge, all adapted and arranged whereby the nuts on the end of the shank and cutter bolt may be adjusted to clamp the parts against relative movement and hold the cutter rigidly and against movement relative to the support or the nut on the cutter bolt may be loosened to permit turning of the cutter bolt for presenting the cutting edge at various points around the axis of the cutter bolt, and set screws threadedly engaging the support and head member for bearing on the shank and cutter bolt respectviely and cooperating with said nuts to hold said shank and cutter bolt against rotation.

2,346,085
PROCESS FOR PRODUCING IMPROVED TITANIUM PIGMENTS

Roscoe Hall Sawyer, Linthicum Heights, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 6, 1942, Serial No. 429,802
4 Claims. (Cl. 83—94)
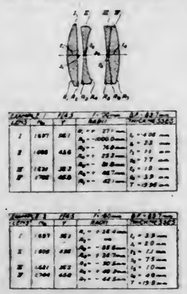


1. A process for producing improved pigments exhibiting improved gloss properties and substantially complete freedom from coarse gritty particles which comprises subjecting a calcined pigment to series grinding, first in a high pressure fluid energy mill in the presence of steam at a temperature ranging from about 300–500° C. under a carrying pressure of from about 50–150 pounds per square inch, then to grinding treatment in a closed circuit wet-grinding system, drying the resulting pigment, and then subjecting the dried product to low pressure disintegrating grinding treatment in a fluid energy mill to remove aggregates formed during said drying treatment.

2,346,086
PHOTOGRAPHIC OBJECTIVE

Willy Schade and Karl Tolle, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 1, 1942, Serial No. 445,282
6 Claims. (Cl. 88—57)



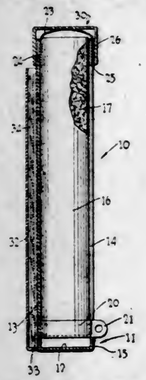
1. A highly corrected photographic objective consisting of three components of which the one on the long conjugate side is a positive element with its more highly curved surface to the front, the middle one is a biconcave element with its more highly curved surface to the rear and the rear one is a doublet with a biconcave element cemented to the front of a biconvex element whose index of refraction is greater than 1.7, the cemented surface having a radius of curvature greater than that of the rear surface of said biconvex element.

2,346,087
CONTAINER FOR TOBACCO, CIGARETTES, AND PIPE CLEANERS, AND THE LIKE ARTICLES

Nick Sevastopulos, New York, N. Y., assignor to Eleftheria Sevastopulos, New York, N. Y.

Application October 9, 1942, Serial No. 461,424
7 Claims. (Cl. 206—41)

1. A smoker's package comprising an outer container open at one end, an inner container for tobacco or cigarettes, telescoped within the outer container, a cover over the open end of the outer container, said outer container being formed with a slot, means passing through the slot and engaging the inner container to move the same relative to the outer container, and a

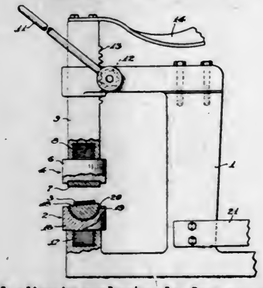


pouring spout attached to the inner container, the free end of the pouring spout being flexed to engage said outer container in position covering the open end of the inner container.

2,346,088
SELF-ALIGNING ELECTRODE

Erle I. Shobert, II, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania

Application February 5, 1943, Serial No. 474,797
6 Claims. (Cl. 219—4)



1. A self-aligning electrode for an electric resistance welding machine, said electrode comprising a hemispherical tip with its flat side lying in the center plane of a sphere generated by rotation of the tip and adapted to engage the work being welded, and a tip-supporting member provided with a recess receiving said tip, said tip projecting from said member and being universally movable therein without moving the center of said flat side.

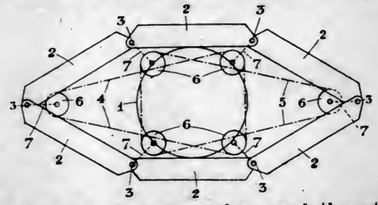
2,346,089
SELF-LAYING TRACK FOR VEHICLES

Otto Singer, London, England

Application April 24, 1942, Serial No. 440,363
In Great Britain September 8, 1941
3 Claims. (Cl. 305—8)

1. A self-laying endless track comprising a plurality of equal-length track sections pivotally connected together in end to end relationship, a wheel within said track to roll upon the bottom reach thereof, a plurality of members corresponding in number to the number of sections

in the track carried by said track and operatively connected therewith at points spaced equal distances apart therealong, and a pair of in effect endless flexible elements one engaged



over alternate of said members and the other engaged over the remaining of said members and acting to bridle said track sections and to constrain the track to maintain contact with the top and the bottom of the wheel.

2,346,090
PHOTOGRAPHIC BLEACH-OUT LAYER

Henry C. Staehle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 19, 1942, Serial No. 455,343
5 Claims. (Cl. 95—6)

1. The method of forming a photographic layer for the bleaching-out process which comprises dissolving in organic solvent medium a binding agent, a bleaching-out dye, and a solid organic peroxide compound as an accelerator for bleaching said dye, and coating a layer from the composition.

2,346,091
PRODUCTION OF TITANIUM OXIDE PIGMENTS

Henry Moroni Stark and John Lewis Keats, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 8, 1941, Serial No. 401,448
13 Claims. (Cl. 23—202)

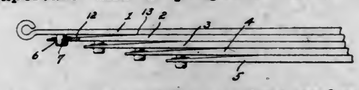
1. A process for obtaining a rutile titanium oxide pigment through conversion of precipitated anatase, comprising hydrolyzing at an elevated temperature a relatively concentrated, low acid-containing titanium sulfate solution containing at least 200 g. TiO_2 per liter capable of yielding at least 90% of precipitated TiO_2 on hydrolysis and nucleated with a seeding agent prepared from a titanium sulfate solution, which agent is adapted to yield an anatase TiO_2 pigment upon calcination at a temperature below 1000° C. of the recovered hydrolysis precipitate, discontinuing the hydrolysis reaction after 20–70% of the hydrolyzable TiO_2 particles present in said solution capable of being hydrolyzed have been precipitated, thereafter recovering the precipitated product and subjecting the same to calcination at temperatures ranging from substantially 750–950° C. to develop its pigment properties and convert the same to substantially rutile.

2,346,092
VEHICLE SPRING

Ward C. Tolhien, Detroit, Mich., assignor to Spring Perch Co., Inc., Lackawanna, N. Y., a corporation of New York

Application July 29, 1940, Serial No. 348,219
5 Claims. (Cl. 267—49)

1. A leaf spring assembly comprising a plurality of leaves arranged in successive pairs of different lengths from a common point of fixed surface contact, each of the leaves except the longest leaf of the series having an aperture in the end portion thereof extending beyond the end of the contacting shorter leaf, a cup member having a body of a length greater than the thickness of the respective leaf and extending through the aperture and a peripheral flange over-

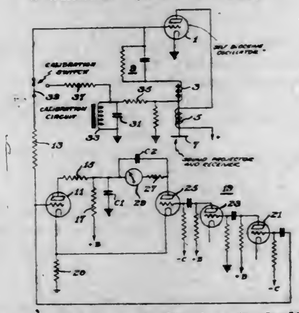


lying the periphery of the aperture, and a bearing element of a length greater than the depth of the cup and separating the leaves for a distance from their ends determined by the thickness of the portion of the bearing element projecting beyond the open end of the cup to thereby predetermine the surface area of the leaves in frictional contact.

2,346,093
SONIC DEPTH INDICATOR

William A. Tolson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 22, 1941, Serial No. 416,031
5 Claims. (Cl. 177—386)



2. A sonic distance indicator including a reversible electroacoustical converting device, a self blocking oscillator connected to said device for applying a discrete pulse of current to said device to radiate said pulse toward a reflecting object, said oscillator having a self blocking time which is longer than the time required for said radiated pulse to travel from said device to said object and thence back to said device, a capacitor, means connecting said capacitor to said oscillator for discharging and initiating the recharging of said capacitor in synchronism with the application of said discrete pulse, means including said device for discharging said capacitor upon reception of said pulse after its reflection, and means connected between said capacitor and said discharging means for indicating the distance of said reflecting object as a function of said last named discharge.

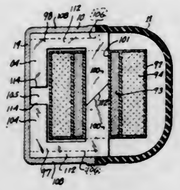
2,346,094
IGNITION DEVICE

Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application May 7, 1941, Serial No. 392,312
2 Claims. (Cl. 175—361)

1. In a device of the character described, a casing formed of non-magnetic material and providing an end wall and parallel side walls, means forming a channel in each side wall extending

toward the end wall, an induction coil unit including an induction coil having a central longitudinal bore therethrough, a pair of U-shaped magnetic core elements for said coil, one leg of one element and the corresponding leg of the other element being adapted for readily removable insertion in said coil bore into close abutment therein, and the opposite corresponding legs

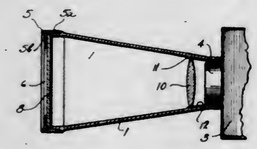


of the elements in the assembly of the elements to the coil, having their ends in spaced, opposed relation to form an air gap, said coil and core assembly being insertable as a unit in said casing with the bridge portions of said U-shaped core elements seating in said casing channels, said channels serving to maintain said core elements in assembly with said coil.

2,346,095
CHEMICAL SENSITIZING OF PHOTOGRAPHIC EMULSIONS
Arnold Weissberger and Burt H. Carroll, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 21, 1942, Serial No. 435,666
10 Claims. (Cl. 95—7)

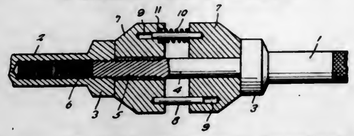
1. A photographic emulsion comprising a colloidal material having particles of silver halide dispersed therein, and an added sensitizing compound upon which at least a part of the light sensitivity of the emulsion depends, the sensitizing compound being an alkoxy methylene-β-diketone.

2,346,096
FILM TITLER
Clifford W. Whitaker, Fort Lewis, Wash.
Application May 18, 1942, Serial No. 443,373
2 Claims. (Cl. 88—24)



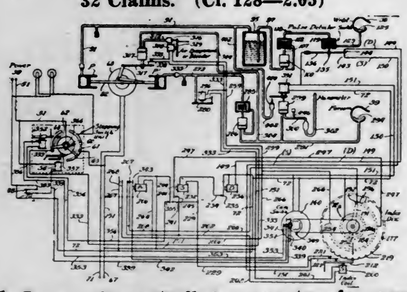
1. A film titler of the character described comprising a conically tapered tubular housing of light-proof material, open at its smaller end and cylindrically formed to be fitted at that end, over the extension of the camera lens assembly to support the housing, an annular cap of light-proof material removably fitted about the larger end of the conical housing, having an elongated opening therein alined with the camera lens, and a translucent panel held within the cap over said opening and on which panel film titles may be inscribed for photographing by the camera, and a reducing lens mounted in the conical housing just forwardly of the smaller end.

2,346,097
TAP AND REAMER WRENCH
Boleslaw J. Wieczorek, Detroit, Mich.
Application July 21, 1943, Serial No. 495,653
3 Claims. (Cl. 10—149)



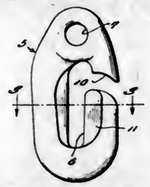
1. A wrench of the character described comprising a pair of elongated, longitudinally aligned handles, heads on the inner end portions of the handles, one of the handles having a threaded socket in its its inner end portion, a shank projecting longitudinally from the inner end of the other handle, said shank being threaded and adapted to be screwed into the socket for adjustably connecting the handles, a pair of opposed jaws provided with complementary notches adapted for receiving a tool therebetween and rotatably mounted on the shank, and spring means engaging said jaws for normally urging the same apart in abutting engagement with the heads.

2,346,098
CARIOMETRIC APPARATUS
Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Tech Equipment Company, Chicago, Ill.
Original application March 20, 1940, Serial No. 325,017. Divided and this application June 19, 1941, Serial No. 398,780
32 Claims. (Cl. 128—2.05)



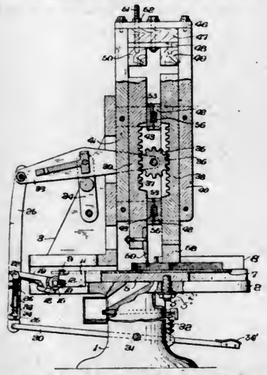
1. In a coin-controlled apparatus for ascertaining the pulse rate and the systolic blood pressure of a user thereof, means for sensing systolic and diastolic effects in a selected artery of the user, a counter operated by said sensing means to count the pulse of the user, means arranged to afford a pressure system and including pressure-operated means positionable and operable to apply sufficient extraneous pressure to shut off flow of blood through a sensed artery of the user, means for supplying fluid under pressure to said pressure system, means operable to determine the pressure required in said closable system to equal the systolic blood pressure of the user, and operable to establish such required pressure in said system, pressure-responsive actuating means connected to said closable system and subjected to the pressure in said system, printing means including type settable by said pressure-responsive means to set said type for printing of the systolic blood pressure of the user, printing means associated with said counter and operable to print the pulse count indicated thereby, and means for effecting a printing operation of both of said printing means upon the completion of said pulse-counting and pressure-determining operations.

2,346,099
CHAIN HOOK
Frank Wilson, Boone, Iowa
Application July 18, 1942, Serial No. 451,457
3 Claims. (Cl. 24—230.5)



3. A chain hook comprising an oval-shaped body having substantially parallel side and also having an attaching opening adjacent its inner end and a longitudinal opening at its central portion adapted to substantially conformably receive a chain link in a position at right angles to the body, and a lateral slot in one longitudinal side of the body communicating with the longitudinal opening and adapted to guide the link into said last-named opening, said slot being disposed adjacent the inner end of the body and curved outwardly toward the end of the body.

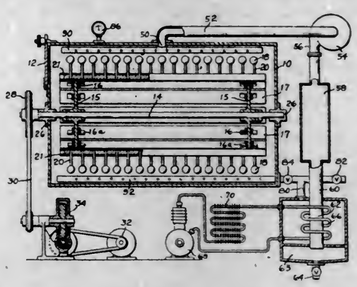
2,346,100
SHEAR
Charles A. Wright, Philadelphia, Pa.
Application April 2, 1942, Serial No. 437,406
8 Claims. (Cl. 164—51)



1. The combination with a platen, of a pair of implement carriers reciprocable toward and from said platen and including slidable toothed members, a rotatable toothed member meshing with said first named toothed members, and means separate from said slidable members for bodily moving said rotatable member and shifting it rectilinearly of the axis thereof and through such movement apply force moving both said first named toothed members bodily and relatively to one another.

2,346,101
PROCESS AND APPARATUS FOR CURING PLASTIC COATINGS
Elvin M. Bright, Whitefish Bay, Wis., assignor to Plastic Veneering, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application February 17, 1941, Serial No. 379,321
18 Claims. (Cl. 34—15)

1. The process of curing a plastic coating applied by dipping the article to be coated into a coating material that has been dissolved by a highly volatile solvent, said process including the steps of subjecting the freshly dipped coating to dehydrated circulating air at room temperature, said air being maintained at a subatmospheric

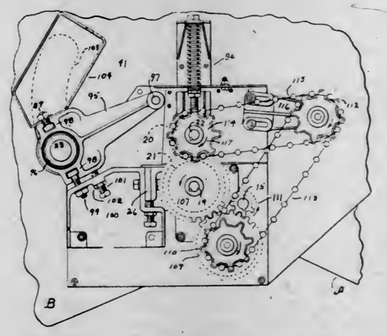


pressure sufficiently low to rapidly withdraw the solvents at a pressure higher than the pressure which causes the solvent to boil, and condensing the fumes of the solvent from the air so as to control the amount of the solvent fumes in the air.

2,346,102
UNSATURATED MERCAPTAN
Martin de Simó, Piedmont, and John J. O'Connor, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 29, 1941, Serial No. 390,936
5 Claims. (Cl. 260—609)

2. An aliphatic unsaturated mono-mercaptan of twelve to eighteen carbon atoms per molecule having a straight open chain of at least seven carbon atoms and the —SH group directly joined to a carbon atom to which an olefinic carbon is directly linked.

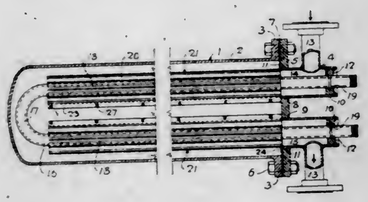
2,346,103
GREEN HAY HARVESTER
Charles E. Everett, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a company of Maryland
Application August 27, 1941, Serial No. 408,407
5 Claims. (Cl. 56—16)



1. In a harvesting device of the class described, a wheel supported frame adapted for attachment to the draw bar of a tractor and having a transmission thereon with operating connections to all

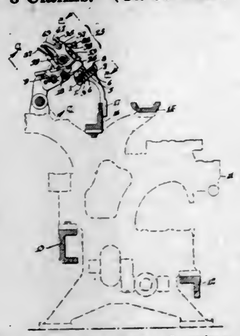
of the operating parts of the harvesting device, a housing having side panels, a chopping and shredding device in the housing, means for delivering material to the chopping and shredding device, conveying means in rear of said chopping and shredding device adapted to receive and elevate the material after leaving the chopping and shredding device, said chopping and shredding device comprising a pair of rotatably mounted feed rollers, a blade bar and supporting means therefor positioned in rear of said rollers and adapted to receive and support the material fed rearwardly between said rollers, arms pivotally supported at their forward ends on the frame a distance above said blade bar, a cylinder having knives rotatably mounted in the rear ends of said arms, means for adjusting the rear ends of said arms for placing the knives in two different positions relative to the blade bar whereby the material passed over the blade bar may be selectively chopped or shredded, and means for holding the rear ends of the arms and knives remotely positioned relative to the blade bar for the free passage of material over the blade bar to the conveying means.

2,346,104
HEAT EXCHANGER
Addison Y. Gunter, Larchmont, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application April 4, 1942, Serial No. 437,632
1 Claim. (Cl. 257—239)



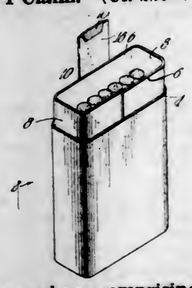
A heat exchanger comprising a shell open at one end; a header detachably secured to said shell, closing said end and having two separate compartments opening into said shell, provided one with an inlet and the other with an outlet, and each having an orificed outer end wall; a sleeve disposed over each of said compartment openings provided with a flange at the end thereof adjacent said opening, removably secured to said header, said sleeve extending from its said flange partly through said shell longitudinally thereof, and open at its opposite end to said shell, said shell, compartments and sleeves providing a chamber for a fluid; a U-tube for another fluid having its U-bend disposed in said shell beyond said opposite ends of said sleeves, and having its legs extending one through each of said sleeves and through the correlated compartment and said end wall orifice thereof to the exterior and permanently secured to said end wall whereby said header and U-tube provide a unit, each said sleeve being provided with a slit extending throughout its entire length and through said flange, said slit being openable to permit the passage therethrough of said tube, each said sleeve further having oppositely disposed outwardly extending flanges adjacent each edge of said slit; and removable means engaging said oppositely disposed flanges holding the opposite edges of said slit together.

2,346,105
CONTROL DEVICE FOR RINGLESS YARN CARRIER ATTACHMENTS
Herbert Erich Haehnel, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application February 27, 1943, Serial No. 477,462
8 Claims. (Cl. 66—127)



1. In a knitting machine having yarn carrier rods, means for driving said carrier rods comprising a friction box, means associated with said friction box including a pair of elements for connecting said yarn carrier rods to and releasing them from said friction box in predetermined sequence, means on said friction box for moving said carrier rod connecting and releasing elements from active to inactive position when said connecting and releasing elements are in predetermined relation to said yarn carrier rods and means carried by said friction box for preventing return of said elements from said inactive to active position relative to said yarn carrier rods unless said connecting and releasing means is in said predetermined relation to said yarn carrier rods.

2,346,106
CIGARETTE PACKAGE
Maurice A. Hannigan, Springfield, Mass., assignor of one-half to Paul W. Otto, Springfield, Mass.
Application February 8, 1943, Serial No. 475,100
1 Claim. (Cl. 229—51)



A cigarette package comprising in combination, a container having front, rear and side walls and a closed lower end, end flap portions extending from the upper ends of each of said walls entirely across the width thereof that are connected together at adjacent side edges for folding relative to one another and to said walls between superposed closed relation where they completely close the upper end of the container and upstanding relation whereby the entire upper end of the container is open and entirely surrounded by said flap portions, an elongated flat strip of flexible material having an inner end portion

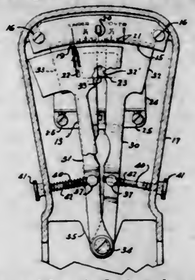
permanently secured to the rear wall of the container adjacent and below the flap portion of said rear wall providing a relatively bendable body portion extending from said inner end portion and a relatively bendable outer end portion at the outer end of said body portion, said body portion adapted to overlie said flap forming wall extensions when in superposed closed relation with said outer end portion overlying the front wall of said container, the inner faces of the body and outer end portions of the strip carrying adhesive material of such a nature as to detachably adhere to said flap portions and to said front wall, and a manually engageable tab of less length than the width of the strip centrally overlying and permanently secured to opposite faces of the extremity of the outer end portion of the strip leaving corners thereof exposed, all adapted and arranged whereby the flap portions of the walls may be relatively folded into superposed relation to completely close the upper end of the container and the body and outer end portion of the strip superposed and detachably secured to said flap portions and front wall with the extremity of said strip excepting the corners thereof free of said front wall for manual engagement thereof so that the outer end and body portion of the strip may be detached from the front wall and flap portions permitting said flap portions to be moved to upstanding relation opening and surrounding the upper end of the container.

2,346,107
PLASTIC METHYL METHACRYLATE
William S. Johnson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 19, 1939, Serial No. 309,960
14 Claims. (Cl. 260—36)

1. The process of rendering a methacrylic resin substantially free of elastic properties which cause deformation when shaped articles thereof are heated which comprises subjecting a polymer of a member of the group consisting of methyl methacrylate and ethyl methacrylate to a milling action on hot rolls in the presence of 0.05% to 3% (based on the weight of the polymer) of a compound selected from the group consisting of barium phenanthrene-2-sulfonate, potassium phenanthrene-2-sulfonate, sodium m-nitro benzene sulfonate, sodium 2,4-dinitro α-naphthol 7-sulfonate, thiosalicylic acid, thiourea, ethyl crotonate, maleic anhydride, phthalic anhydride, acetamide, α-mono bromo isovaleryl urea, and methallyl chloride.

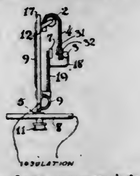
2,346,108
WEIGHING SCALE
Donald B. Kendall, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 9, 1941, Serial No. 414,247
6 Claims. (Cl. 116—114)

4. In a device of the class described, in combination, a pivoted indicating member adapted to rock about its pivot through angles proportionate to weight, a chart mounted adjacent the path of movement of said pivoted indicating member, a light source, said pivoted indicating member having a portion designed and constructed to overlie said light source throughout its entire movement, that portion of said pivoted indicating member overlying said light source having a slot-like aperture, a series of weight graduations marked on said chart, an index on said pivotally mounted indicator for cooperation with said series of weight graduations, a pair of light intercepting members pivoted upon a



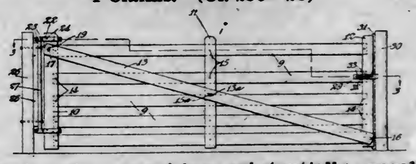
common axis, said axis being in coincidence with the pivotal axis of said indicating member and means for adjusting the positions of said pair of light intercepting members relative to each other and to said graduations on said chart.

2,346,109
ELECTRIC DISCHARGE LAMP AND STARTING DEVICE
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application November 8, 1941, Serial No. 418,358
4 Claims. (Cl. 200—122)



1. A thermal relay comprising: a bimetallic strip; a resistance rod in heat-conducting relationship with said bimetallic strip, yet insulated therefrom; a heating coil wound around said resistance rod, said coil being connected in series with said strip and in parallel with said resistance rod; an electrical contact connected to an end of said resistance rod through a path having a low resistance compared with the resistance of the resistance rod and normally open with respect to said bimetallic strip when the circuit therethrough is unenergized; and a second electrical contact connected to an end of said resistance rod and normally closed with said bimetallic strip when the circuit therethrough is unenergized.

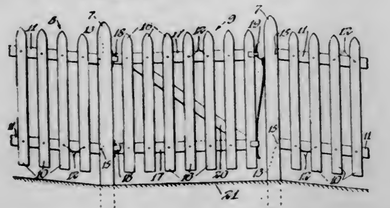
2,346,110
FARM GATE
Neal T. MacKenzie, St. Paul, Minn., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware
Application August 17, 1942, Serial No. 455,092
4 Claims. (Cl. 256—26)



1. A gate comprising substantially parallel vertically spaced rails, stiles for connecting the

rails, connections between each rail and said stiles permitting changes in the elevation of one stile relative to another, a diagonal brace comprising a wood member of substantial width extending from the lower end portion of one of said stiles to an upper end portion of another stile, at least one of the stiles being formed with an elongated slot to receive a pin for fastening the brace thereto, a pin extending at a right angle to the gate in said slot for connecting the brace to the stile, said brace member concealing said slot and having a flat surface of substantial area abutting against a face of the stile, means engaging said pin to confine said brace member against the face of said stile and means for retaining said pin in various positions in said slot to adjust the angle of the gate relative to the horizontal.

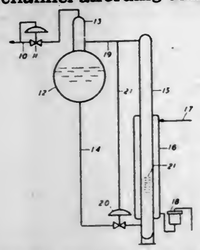
2,346,111
PICKET FENCE
Neal T. MacKenzie, St. Paul, Minn., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware
Application January 16, 1943, Serial No. 472,603
2 Claims. (Cl. 256—67)



1. A picket fence having in combination, horizontally spaced posts each formed with a pair of vertically spaced, substantially semi-cylindrical mortises in a vertical face, a pair of rails extending one above the other between said posts and each having substantially semi-cylindrical end surfaces adapted to fit the mortises in the respective posts, means fastening said end surfaces of the rails in contact with the semi-cylindrical mortise surfaces so that the latter constitute pivot bearings permitting the rails to extend in various sloping positions relative to the upright posts and with the posts spaced a predetermined distance apart by contact with the ends of the rails and a multiplicity of vertically extending, horizontally spaced pickets, each having a pivotal connection with each of said rails.

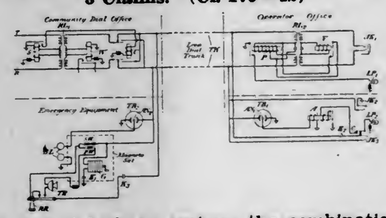
2,346,112
APPARATUS FOR VAPORIZING LIQUEFIED GASES
Theodore Meisheimer, Temple City, Calif., assignor to Parkhill-Wade, Los Angeles, Calif., a corporation
Application September 16, 1941, Serial No. 411,090
3 Claims. (Cl. 62—1)

1. A vaporizing system for liquefied gaseous fuels, comprising: a storage tank for said liquefied fuel; a service channel connecting the vapor space in said tank with a point of consumption of vapor; a pressure regulator interposed in said channel and adapted to maintain a substantially constant pressure at said point, the portion of said channel between said regulator and said vapor space being unobstructed and constantly open; a vertically disposed vaporizer including a vertically extended heating means having a heated wall, said vaporizer extending both above and below the liquid space in said storage tank; a liquid channel affording communication between the lower part of said tank and the lower part of said vaporizer; a vapor channel independent of said service channel affording communication be-



tween the upper portion of said vaporizer and said vapor space in said tank, and throttling valve means responsive to the pressure in said vapor space for controlling the depth of liquid in said vaporizer and the extent to which said heated wall is covered by said liquid.

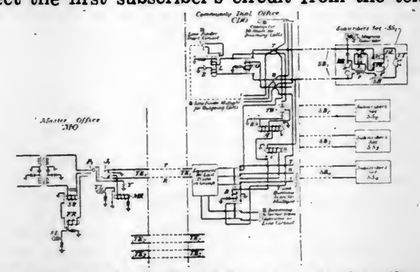
2,346,113
AUXILIARY TELEPHONE APPARATUS
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 22, 1943, Serial No. 483,983
3 Claims. (Cl. 179—42)



1. In a telephone system, the combination of two telephone offices having telephone and signaling apparatus and interconnected by a telephone line so that signals may be transmitted normally over said line, apparatus for providing emergency service over said telephone line, said apparatus including a gas tube at each telephone office connected to but one of the conductors of the telephone line, means for applying ringing current to the same conductor of the telephone line for firing said gas tube, a ringing device at each office which responds to the firing of the associated gas tube, and means including a telephone set for connection across the telephone line to permit talking currents to be transmitted over the line.

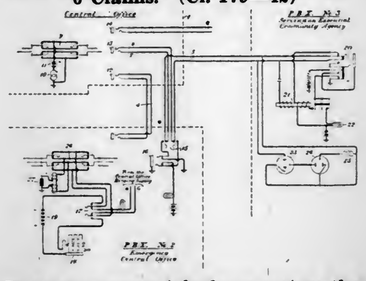
2,346,114
RIGHT-OF-WAY TELEPHONE SYSTEM
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 29, 1943, Serial No. 484,956
11 Claims. (Cl. 179—27)

1. The combination of a central office, a first subscriber's circuit connected by a telephone line to the central office, a second subscriber's circuit, means for enabling the second subscriber to seize the telephone line extending to the first subscriber, said means including a gas tube at the central office, means controlled by the second subscriber to fire the gas tube, and means responsive to the firing of the gas tube to disconnect the first subscriber's circuit from the tele-



phone line and substitute the second subscriber's circuit therefor.

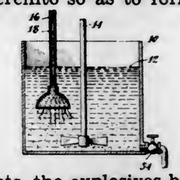
2,346,115
EMERGENCY TELEPHONE SYSTEM
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 12, 1943, Serial No. 490,567
6 Claims. (Cl. 179—42)



1. In an emergency telephone system the combination with a central office of a P. B. X connected by a trunk to said central office, a second P. B. X also connected by a second trunk to said central office, the latter trunk being looped into said first mentioned P. B. X, a ringer at said second P. B. X, a cold cathode tube connected to said second trunk and said ringer to prevent the operation of the ringer by the normal ringing voltages applied to the said trunk at the central office, means at the first mentioned P. B. X to split the second trunk looped therein, and means thereat to apply an abnormal ringing voltage to that portion of the second trunk extending to the said second P. B. X, the magnitude of the said abnormal voltage being such as to cause the flow of current through the said cold cathode tube whereby the said ringer may be operated.

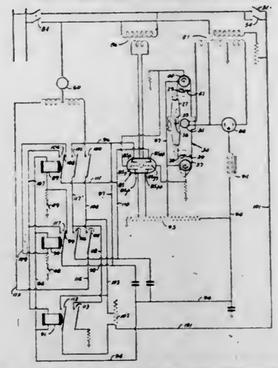
2,346,116
MAKING GRANULATED EXPLOSIVES
Walter O. Snelling, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
Application February 11, 1942, Serial No. 430,430
7 Claims. (Cl. 52—22)

1. The method of making a granular mixture of the explosives trinitrotoluene and pentaerythritol tetranitrate which comprises forming a solution of the explosives in a solvent, delivering the solution through a small orifice of capillary fineness into a water-containing precipitating liquid that is a non-solvent for the explosives but that dissolves the said solvent and is maintained at a temperature below the melting point of the mixed explosives and of each of them, vigorously moving the said liquid as the solution is delivered thereinto so as to form the solution



into fine droplets, the explosives being thus converted to solid granular condition, and separating the resulting granules from the liquid present.

2,346,117
WEIGHING SCALE
Howard Parker Stabler, Williamstown, Mass., assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 29, 1941, Serial No. 416,972
18 Claims. (Cl. 265—5)

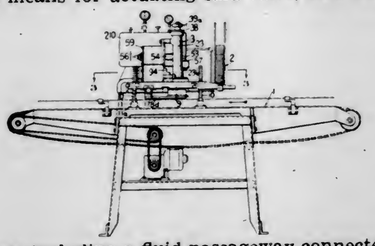


1. In a weighing scale, in combination, weighing mechanism including a load responsive member, an automatic follower mechanism including a follower, a driving motor and photoelectric elements selectively activated by slight movement of said member and successively activated by greater movement of said member, one of said elements being first activated upon movement of said member in one direction and the other of said elements being first activated upon movement of said member in the other direction and electrical means so connecting said elements to said driving motor that first activation of either of said elements causes said motor to move said follower in the corresponding direction and subsequent activation of the other of said elements causes said motor to move said follower in such direction at a higher rate of speed.

2,346,118
APPARATUS FOR SEALING CONTAINERS
Harry E. Stover, Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application November 8, 1941, Serial No. 418,401
10 Claims. (Cl. 226—82)

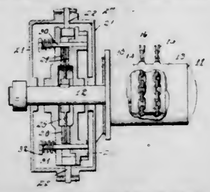
1. Apparatus of the type described for sealing containers comprising a support for a container, a sealing member adapted to be moved to force a cap on the container, a fluid-operated unit for moving said sealing member, a mechanical connection between said unit and said sealing member, said mechanical connection serving to in-

crease the pressure developed by said unit as it is applied to said sealing member, a valve for controlling the supply of fluid to said unit, and control means for actuating said valve, said control



means including a fluid passageway connected to said valve and having an outlet associated with said sealing member adapted to be closed by a cap on a container moved into association with said sealing member.

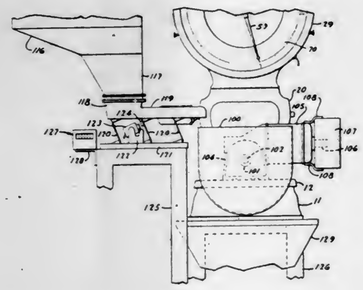
2,346,119
HAND-OPERATED BOAT HOIST
Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application August 29, 1941, Serial No. 408,714
9 Claims. (Cl. 254—167)



3. In a manually operable hoist, the combination of a housing to be secured to an elevated support, a shaft rotatably mounted in the housing, a chain wheel fixed to the shaft, a spring actuated pawl mounted on the housing, a clutch housing rotatably mounted on the shaft, a lever pivotally connected to the clutch housing for oscillating the clutch housing by a pivotal movement of the lever, said lever being pivoted to the clutch housing for movement laterally on its pivot, a spring actuated pawl mounted on said clutch housing, a clutch within the clutch housing comprising a first clutch disc having ratchet teeth in engagement with said pawls, a second clutch disc fixed to the said shaft, means for yieldingly holding the clutch discs in frictional engagement whereby pivotal movement of the lever and the clutch housing rotates said second clutch disc by said second mentioned pawl and said ratchet teeth, a cam device operatively connected to the lever and shaped to separate the clutch discs when the lever is moved laterally from a normal position and permitting the first clutch disc to be moved by the yielding pressure means into engagement with the second clutch disc when said lever is in normal position.

2,346,120
WEIGHING SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application July 16, 1940, Serial No. 345,788
10 Claims. (Cl. 249—20)

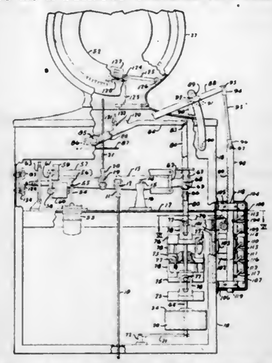
1. In a device of the class described, in combination, weighing mechanism, a material supply hopper, load receiving means operatively connected to said weighing mechanism comprising a rotatable receptacle, an electric motor operatively connected to said receptacle, means for conveying material from said supply hopper to said load receiving means, electric means for actuating said conveying means, load indicating means and load determining means comprising a pair of stationary charts bearing weight indicia, a pair of pivotally mounted indicators, means actuated by said weighing mechanism for rotating said indicators in response to material in said load receiving means, one of said indicators being adapted to be manually positioned relatively to its cooperating chart to such indicium on said chart indicative of the weight of such material to be determined, the other of said indicators being adapted to continuously indicate the weight of such material in said receptacle, a switch po-



sitioned adjacent the path of movement of each of said indicators, means on each of said indicators for actuating its cooperating switch, electrical means extending between said indicator actuated switches and said electric means for actuating said material conveying means and between said switches and said motor operatively connected to said receptacle, whereby the action of said feeding means is interrupted when said manually positioned indicator senses the presence of the desired amount of such material in said receptacle and said motor operatively connected to said receptacle is energized to rotate said receptacle to discharge such material, means for stopping the rotation of said receptacle and means for automatically re-energizing said electric means for actuating said material feeding means for another cycle of operation.

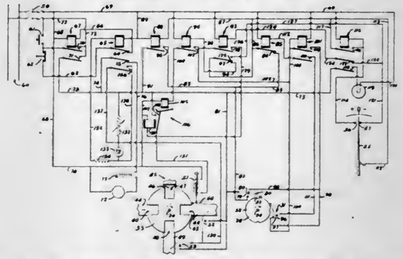
2,346,121
WEIGHING SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application July 30, 1940, Serial No. 348,487
3 Claims. (Cl. 265—48)

1. In a remote indicating weighing scale employing automatic and counterpoise counterbalancing means, in combination, mechanism including a reversible motor for adding and removing counterpoise weights, electrical means to control said motor, said electrical means including sensitive switches operable by said automatic counterbalancing means to initiate operation of said motor and a plurality of limit switches operable by said mechanism to deenergize said motor upon completion of the operation of adding or removing a counterpoise weight, and electrically operated signals also controlled by said limit switches to indicate at a remote station the load counter-



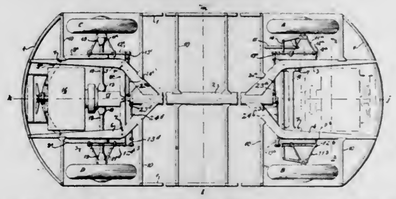
balanced by said counterpoise counterbalancing means.

2,346,122
PACKAGE CHECKING DEVICE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application November 21, 1941, Serial No. 419,905
2 Claims. (Cl. 209—121)



1. In a device of the class described, in combination, a package conveyor, a rotatable package handler, a weighing scale, range of tolerance establishing and detecting means connected to said weighing scale, mechanism for imparting intermittent movement to said package handler, said package handler moving one package from said conveyor onto said scale during one of such intermittent movements and moving such package from said weighing scale to said conveyor during the subsequent one of such intermittent movements, electrical means controlled by said tolerance detecting means for retaining such package on said article handler if the weight of such package is less than the minimum range of tolerance established, and for signalling the weighing of such package if its weight is more than the maximum range of tolerance established, a reject chute, said package handler moving such under-weight package retained thereon to said reject chute during the next one of such intermittent movements, a jam detector, including a timer device, having an actuator in said reject chute for stopping the operation of said package handler when said chute is blocked, the successive package being individually handled, signalled if over-weight and retained and rejected if under-weight, entirely independently of the preceding package.

2,346,123
SUSPENSION SYSTEM FOR VEHICLES
Corwin D. Willson, Flint, Mich.
Application May 20, 1941, Serial No. 394,373
22 Claims. (Cl. 280—104)



1. For and in a mobile body, a load-bearing linkage comprising a frame, a housing rigidly supported by the frame, mountings for the rotation and relative vertical displacement of roadwheels fore, aft and on opposite sides of the housing, and fulcrum supported in and by the housing, a rockerbeam, a rigid midportion thereof supported upon said fulcrum, and lever arms linking opposite ends of the rockerbeam with mountings for said roadwheels.

2,346,124
BULLET LUBRICATION
Walter Arthur Dew, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 8, 1939, Serial No. 308,298
4 Claims. (Cl. 252—49.5)

1. A composition for the lubrication of projectiles which contains polyvinyl alcohol and paraffin wax finely dispersed in a fluid medium.

DESIGNS

APRIL 4, 1944

137,577
DESIGN FOR A PIN OR THE LIKE
Sophie Bee, Edgewater, N. J.
Application February 3, 1944, Serial No. 112,434
Term of patent 14 years
(Cl. D45—19)



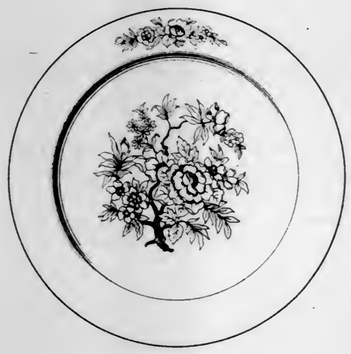
The ornamental design for a pin or the like, as shown and described.

137,578
DESIGN FOR AN EARRING
Richard D. Corke, Seattle, Wash.
Application February 9, 1944, Serial No. 112,519
Term of patent 14 years
(Cl. D45—9)



The ornamental design for an earring, as shown.

137,579
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alfred Duhrssen, New York, N. Y.
Application January 7, 1944, Serial No. 112,187
Term of patent 3½ years
(Cl. D44—15)



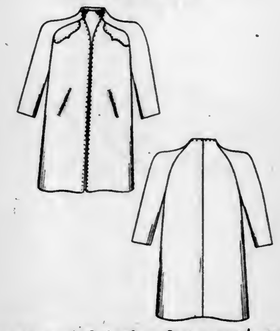
The ornamental design for a plate or similar article, substantially as shown.

137,580
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application February 17, 1944, Serial No. 112,614
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

137,581
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application February 17, 1944, Serial No. 112,616
Term of patent 3½ years
(Cl. D3—4)



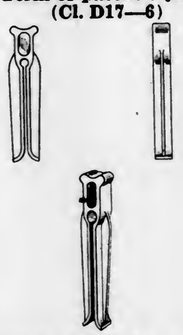
The ornamental design for a coat, substantially as shown.

137,582
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application February 21, 1944, Serial No. 112,656
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

137,583
DESIGN FOR A CLOTHESPIN
Earl J. Lytle, Los Angeles, Calif.
Application January 17, 1944, Serial No. 112,254
Term of patent 7 years
(Cl. D17—6)



The ornamental design for a clothespin, substantially as shown.

137,584
DESIGN FOR A COVERED EYELET BUTTON
William Novick, Brooklyn, N. Y.
Application September 11, 1943, Serial No. 111,108
Term of patent 14 years
(Cl. D17—2)



The ornamental design for a covered eyelet button, as shown and described.

137,585
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alfred Duhrssen, New York, N. Y.
Application January 13, 1944, Serial No. 112,230
Term of patent 3½ years
(Cl. D44—15)



The ornamental design for a plate or similar article, substantially as shown.

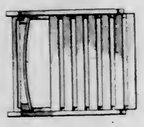
137,586
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alfred Duhrssen, New York, N. Y.
Application January 19, 1944, Serial No. 112,272
Term of patent 3½ years
(Cl. D44—15)



The ornamental design for a plate or similar article, substantially as shown.

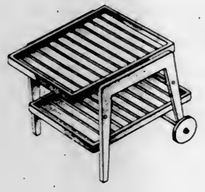
137,587
DESIGN FOR A CHAIR
Viktor Harasty, Whitestone, N. Y.
Application February 5, 1944, Serial No. 112,458
Term of patent 7 years
(Cl. D15—1)





The ornamental design for a chair, as shown.

137,588
DESIGN FOR A TABLE
Viktor Harasty, Whitestone, N. Y.
Application February 5, 1944, Serial No. 112,459
Term of patent 7 years
(Cl. D33—14)





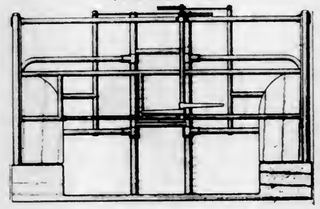
The ornamental design for a table, as shown.

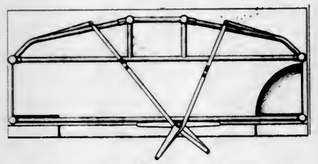
137,589
DESIGN FOR A DRAFT ARM
Sherburne D. Levings, Winnetka, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application April 11, 1941, Serial No. 100,326
Term of patent 14 years
(Cl. D2—3)

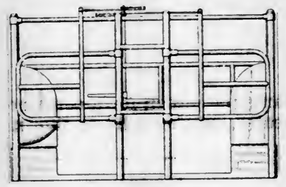


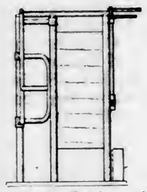
The ornamental design for a draft arm, as shown and described.

137,590
DESIGN FOR A MILKING PARLOR STALL UNIT
Henry B. Babson, Chicago, and Chester A. Thomas, Crystal Lake, Ill., assignors to Babson Bros. Co., a corporation of Illinois
Application January 5, 1944, Serial No. 112,170
Term of patent 14 years
(Cl. D12—5)



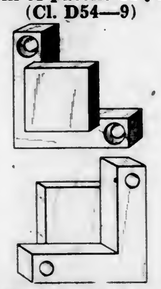






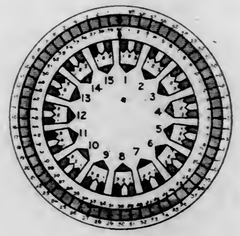
The ornamental design for a milking parlor stall unit, as shown.

137,591
DESIGN FOR A MIRROR CLIP OR SIMILAR ARTICLE
Walter G. Dieter, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application February 8, 1944, Serial No. 112,508
Term of patent 14 years
(Cl. D54—9)



The ornamental design for a mirror clip or similar article, substantially as shown.

137,592
DESIGN FOR A CLOCK FACE
Lee A. Du Rocher, Norco, La.
Application August 17, 1943, Serial No. 110,933
Term of patent 14 years
(Cl. D42—10)



The ornamental design for a clock face, as shown.

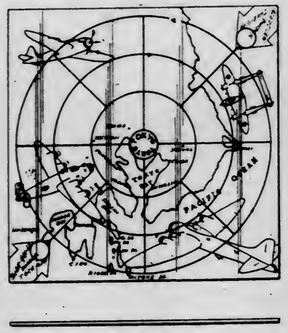
137,593
DESIGN FOR A DOLL
Tilda V. Fulton, Charlotte, N. C., assignor of one-half to Annie L. Teague, Charlotte, N. C.
Application January 31, 1944, Serial No. 112,388
Term of patent 3½ years
(Cl. D34—4)





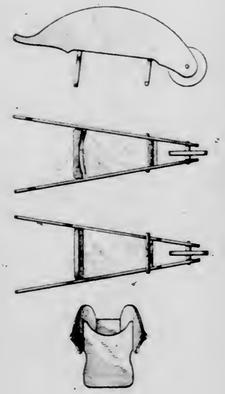
The ornamental design for a doll, substantially as shown.

137,594
DESIGN FOR A GAME BOARD
Joseph I. Galantin, Des Plaines, Ill.
Application September 6, 1943, Serial No. 111,072
Term of patent 7 years
(Cl. D34—5)



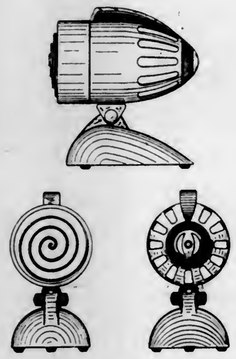
The ornamental design for a game board, as shown.

137,595
DESIGN FOR A COMBINATION TOY WHEELBARROW AND ROCKER
Louis A. Goodman and Norman S. Levy, Chicago, Ill., assignors to L. A. Goodman Manufacturing Co., Chicago, Ill., a limited partnership of Illinois
Application November 1, 1943, Serial No. 111,555
Term of patent 14 years
(Cl. D34—15)



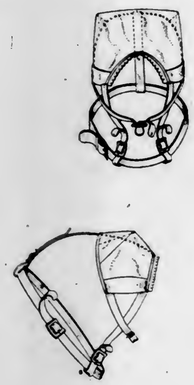
The ornamental design for a combination toy wheelbarrow and rocker, as shown.

137,596
DESIGN FOR A COMBINED ELECTRIC FAN AND HEATER
Lee B. Green, Lakewood, Ohio
Application December 23, 1943, Serial No. 112,080
Term of patent 14 years
(Cl. D81—10)



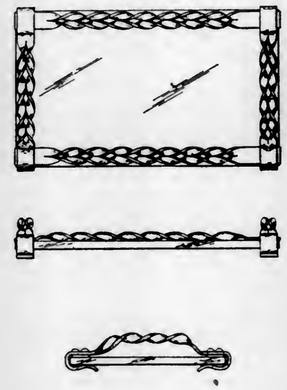
The ornamental design for a combined electric fan and heater, substantially as shown.

137,597
DESIGN FOR DOG GOGGLES
James E. Guernsey, West Roxbury, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application August 23, 1943, Serial No. 110,979
Term of patent 3½ years
(Cl. D38—6)



The ornamental design for dog goggles, substantially as shown.

137,598
DESIGN FOR A TRAY OR SIMILAR ARTICLE
Leonard L. Lesiak and Jodie H. Shows, Los Angeles, Calif.
Application January 31, 1944, Serial No. 112,373
Term of patent 3½ years
(Cl. D44—10)



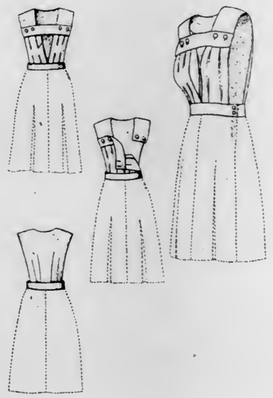
The ornamental design for a tray or similar article, as shown.

137,599
DESIGN FOR A WOMAN'S JUMPER
Max Levitt, New York, N. Y.
Application February 5, 1944, Serial No. 112,454
Term of patent 7 years
(Cl. D3—26)



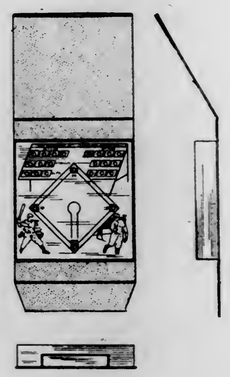
The ornamental design for a woman's jumper, as shown and described.

137,600
DESIGN FOR A WOMAN'S JUMPER
Max Levitt, New York, N. Y.
Application February 5, 1944, Serial No. 112,455
Term of patent 7 years
(Cl. D3—26)



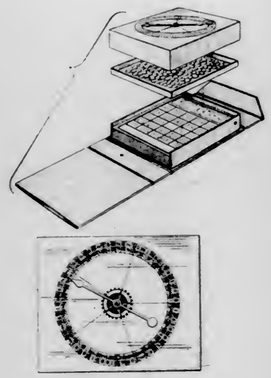
The ornamental design for a woman's jumper, as shown and described.

137,601
DESIGN FOR A GAME DEVICE OR SIMILAR ARTICLE
Erwin S. Lowe, New York, N. Y.
Application December 10, 1943, Serial No. 111,979
Term of patent 7 years
(Cl. D34—5)



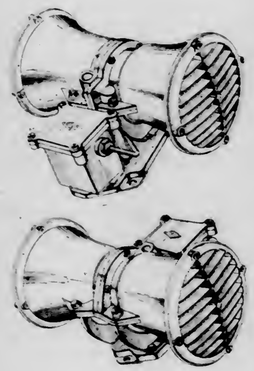
The ornamental design for a game device or similar article, substantially as shown.

137,602
DESIGN FOR A GAME UNIT OR SIMILAR ARTICLE
Erwin S. Lowe, New York, N. Y.
Application December 10, 1943, Serial No. 111,980
Term of patent 7 years
(Cl. D34—5)



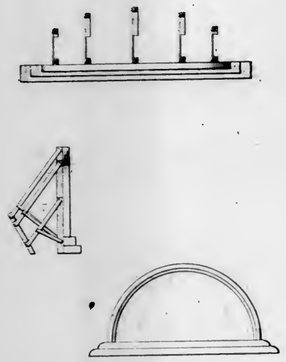
The ornamental design for a game unit or similar article, substantially as shown.

137,603
DESIGN FOR A LOUDSPEAKER
Samuel Neville Shaw Mee and Frederick John Toone, Aylestone Park, Leicester, England, assignors to Parmeko Limited, Aylestone Park, Leicester, England, a British company
Application August 24, 1943, Serial No. 110,990
In Great Britain March 6, 1943
Term of patent 14 years
(Cl. D26—14)



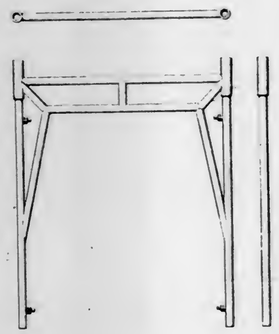
The ornamental design for a loudspeaker, as shown.

137,604
DESIGN FOR AN OUTDOOR DISPLAY BOARD
Ray Milton Muecke, Wilmington, N. C., assignor to The Progressive Advertising Co., New Hanover County, N. C., a partnership composed of Ray M. Muecke and Maurice N. Edwards
Application December 2, 1943, Serial No. 111,875
Term of patent 14 years
(Cl. D1—12)



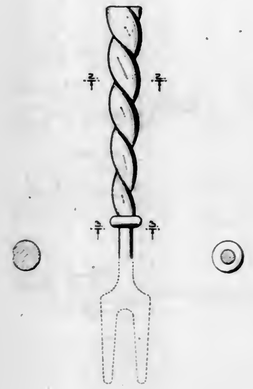
The ornamental design for an outdoor display board, as shown.

137,605
DESIGN FOR A SCAFFOLD UNIT
Leo A. Reiner, Detroit, Mich.
Application February 17, 1944, Serial No. 112,618
Term of patent 14 years
(Cl. D54—1)



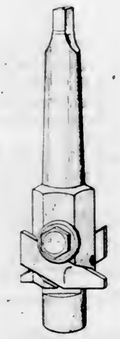
The ornamental design for a scaffold unit, as shown.

137,606
DESIGN FOR A FORK OR ANALOGOUS ARTICLE
Matthew H. Shulman, New York, N. Y.
Application February 15, 1944, Serial No. 112,597
Term of patent 7 years
(Cl. D54—12)



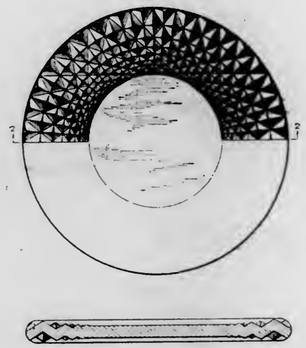
The ornamental design for a fork or analogous article, substantially as shown and described.

137,607
DESIGN FOR A CUTTING TOOL
Lawson A. Smith, Los Angeles, Calif.
Application February 18, 1944, Serial No. 112,631
Term of patent 14 years
(Cl. D54—14)



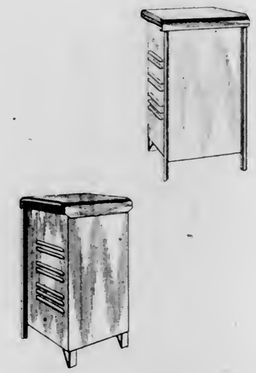
The ornamental design for a cutting tool, as shown and described.

137,608
DESIGN FOR A POKER CHIP OR SIMILAR ARTICLE
Kenneth Tator, Fairfax, Va., and Gustave Holmgren, Washington, D. C.
Application January 11, 1944, Serial No. 112,214
Term of patent 14 years
(Cl. D34—5)



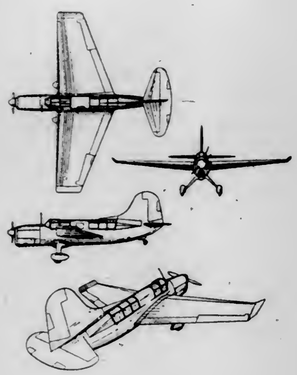
The ornamental design for a poker chip or similar article, substantially as shown.

137,609
DESIGN FOR A CABINET FOR ELECTRICAL APPARATUS
Soren L. Christie, Los Angeles, Calif.
Application July 17, 1943, Serial No. 110,677
Term of patent 14 years
(Cl. D26—5)



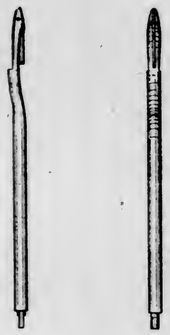
The ornamental design for a cabinet for electrical apparatus, as shown.

137,610
DESIGN FOR AN AIRPLANE
Bruce G. Eaton, Jr., Columbus, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application January 14, 1943, Serial No. 109,286
Term of patent 14 years
(Cl. D71—1)



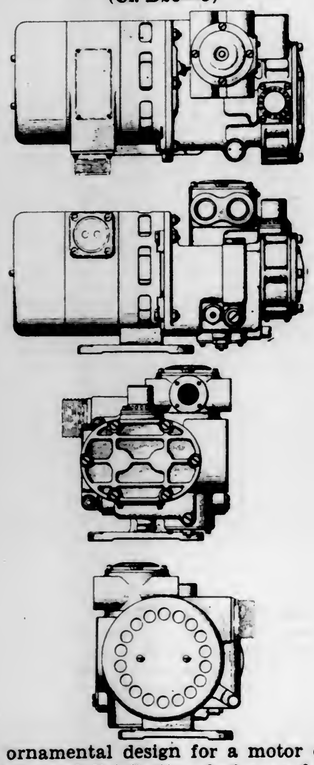
The ornamental design for an airplane, substantially as shown and described.

137,611
DESIGN FOR A PHONOGRAPH RECORD HOLDING SPINDLE
Willard J. Faulkner, Chicago, Ill.
Application August 21, 1943, Serial No. 110,976
Term of patent 14 years
(Cl. D26—14)



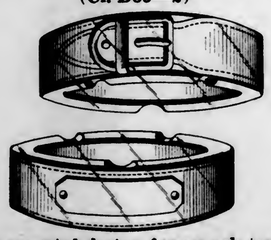
The ornamental design for a phonograph record holding spindle, as shown.

137,612
DESIGN FOR A MOTOR OPERATED FLUID PUMP AND DISTRIBUTING DEVICE
Robert Flanagan, Glen Rock, and Myron L. Taylor, Ridgewood, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 5, 1942, Serial No. 108,146
Term of patent 14 years
(Cl. D26—5)



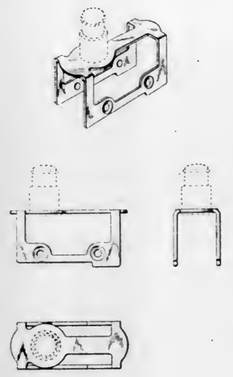
The ornamental design for a motor operated fluid pump and distributing device, as shown and described.

137,613
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Carl W. Gustkey, Wheeling, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application October 15, 1943, Serial No. 111,368
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, substantially as shown.

137,614
DESIGN FOR A SWITCH BRACKET
Oscar H. Kaminky, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application December 6, 1943, Serial No. 111,936
Term of patent 7 years
(Cl. D26—13)



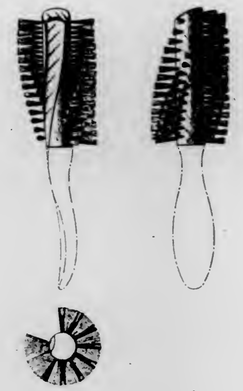
The ornamental design for a switch bracket, substantially as shown and described.

137,615
DESIGN FOR A MEDALLION OR SIMILAR ARTICLE
Max J. Lewis, Forest Hills, N. Y.
Application January 28, 1944, Serial No. 112,359
Term of patent 7 years
(Cl. D29—23)



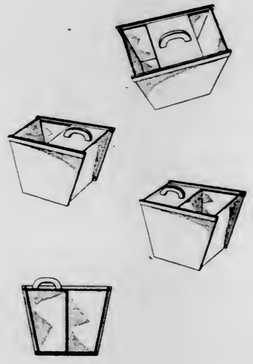
The ornamental design for a medallion or similar article, substantially as shown.

137,616
DESIGN FOR A HAIR BRUSH
Fred Hermann Lotters, Albany, N. Y., assignor to Mohawk Brush Company, Albany, N. Y., a corporation of New York
Application December 16, 1941, Serial No. 104,662
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a hair brush, as shown and described.

137,617
DESIGN FOR A SEPARATING CONTAINER
Norman P. Miller, West Los Angeles, Calif.
Application January 8, 1944, Serial No. 112,265
Term of patent 14 years
(Cl. D58—12)



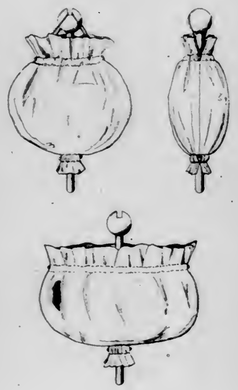
The ornamental design for a separating container, as shown and described.

137,618
DESIGN FOR A FUSE CAP FASTENER
Fritz Hermann Rolfes, Johannesburg, Transvaal, Union of South Africa
Application June 29, 1943, Serial No. 110,566. In the Union of South Africa March 17, 1943
Term of patent 14 years
(Cl. D30—1)



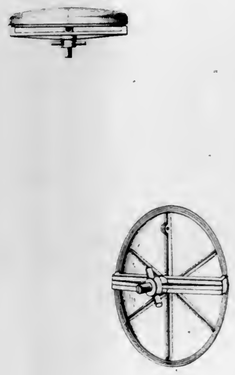
The ornamental design for a fuse cap fastener, as shown.

137,619
DESIGN FOR A LADY'S HANDBAG OR SIMILAR ARTICLE
Benjamin Robert Brody, New York, N. Y.
Application January 29, 1944, Serial No. 112,366
Term of patent 3½ years
(Cl. D87—3)



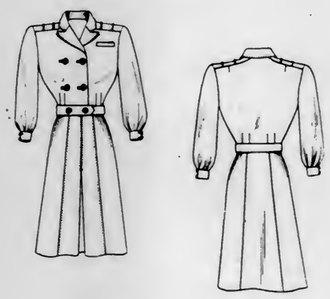
The ornamental design for a lady's handbag or similar article, as shown.

137,620
DESIGN FOR AN EMERGENCY PORTHOLE CLOSURE UNIT
Henry B. Cohen, New York, N. Y., assignor to Sea Emergency Devices, Inc., New York County, N. Y., a corporation of New York
Application December 2, 1943, Serial No. 111,873
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an emergency porthole closure unit, as shown.

137,621
DESIGN FOR A UNIFORM OR SIMILAR ARTICLE
William D. Kellar, Newton, Mass.
Application February 9, 1944, Serial No. 112,525
Term of patent 7 years
(Cl. D3—26)



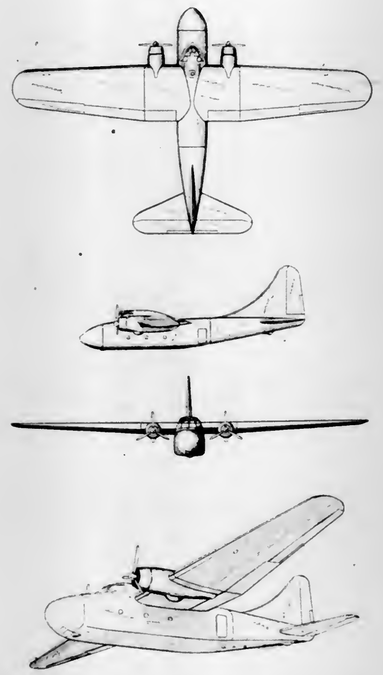
The ornamental design for a uniform or similar article, substantially as shown.

137,622
DESIGN FOR A SLIP
Sam Landau, New York, N. Y.
Application February 9, 1944, Serial No. 112,526
Term of patent 7 years
(Cl. D3—26)



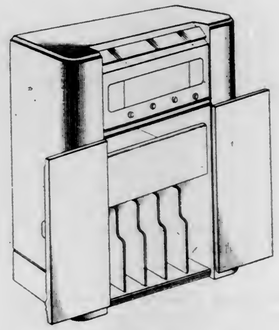
The ornamental design for a slip, substantially as shown.

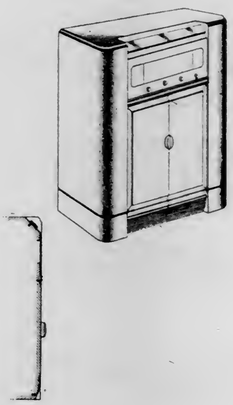
137,623
DESIGN FOR AN AIRPLANE
George A. Page, Jr., Creve Coeur, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application January 29, 1943, Serial No. 109,363
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown.

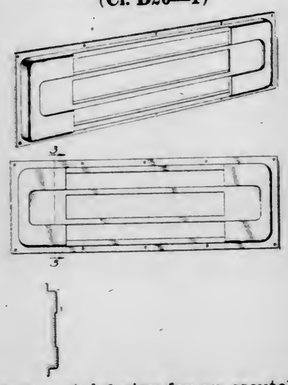
137,624
DESIGN FOR A RADIO CABINET
Clyde A. Peterson, Chicago, Ill., assignor to Wells-Gardner & Co., Chicago, Ill., a corporation of Illinois
Application November 10, 1943, Serial No. 111,640
Term of patent 3½ years
(Cl. D56—4)





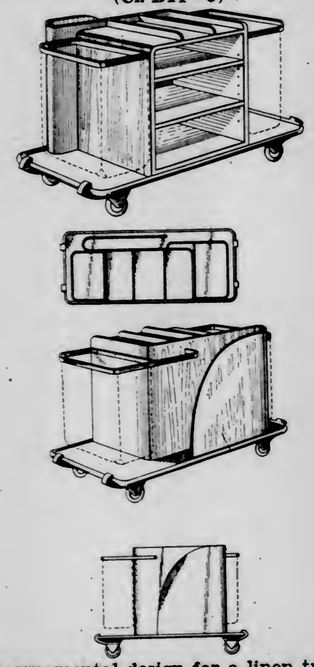
The ornamental design for a radio cabinet, as shown.

137,625
DESIGN FOR AN ESCUTCHEON PLATE FOR A RADIO RECEIVER
Clyde A. Peterson, Chicago, Ill., assignor to Wells-Gardner & Co., Chicago, Ill., a corporation of Illinois
Application November 10, 1943, Serial No. 111,641
Term of patent 3½ years
(Cl. D26—1)



The ornamental design for an escutcheon plate for a radio receiver, as shown.

137,626
DESIGN FOR A LINEN TRUCK
Wilbur Henry Adams, Erie, Pa., assignor to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application November 9, 1943, Serial No. 111,635
Term of patent 7 years
(Cl. D14—3)



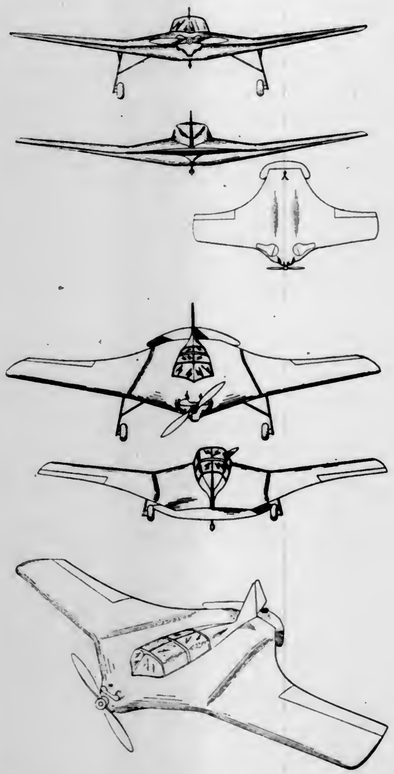
The ornamental design for a linen truck, substantially as shown and described.

137,627
DESIGN FOR A COAT
Simon Beck, New York, N. Y.
Application March 7, 1944, Serial No. 112,811
Term of patent 3½ years
(Cl. D3—4)



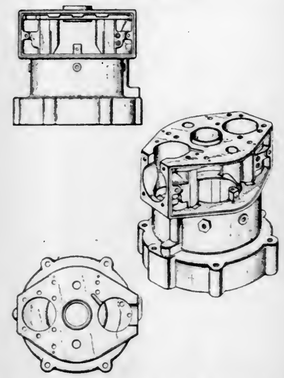
The ornamental design for a coat, substantially as shown.

137,628
DESIGN FOR AN AIRPLANE
Cheston L. Eshelman, Baltimore, Md.
Application January 7, 1943, Serial No. 109,216
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown.

137,629
DESIGN FOR A MOTOR FRAME FOR AN ENGINE STARTER
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application August 13, 1942, Serial No. 107,923
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a motor frame for an engine starter, substantially as shown.

137,630
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application March 7, 1944, Serial No. 112,813
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aero Needle Company, Chicago, Ill. Phonograph needles. Serial No. 467,482; Apr. 4. Class 36.

Albert Laboratories, Inc., Chicago, Ill. Medicinal preparations. Serial No. 461,995; Apr. 4. Class 6.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 457,598; Apr. 4. Class 19.

Associated Distributors, Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 466,033; Apr. 4. Class 6.

Bain, Charles, Philadelphia, Pa. Soap compound. Serial No. 466,566; Apr. 4. Class 4.

Baltimore Pure Rye Distilling Company, The, Dundalk, Md. Pure rye whiskey. Serial No. 453,870; Apr. 4. Class 49.

Beau Brummel Polish Company. (See Graziadei, Leonard, Estate of.)

Berger, Herman, doing business as Standard Pharmaceutical Co., New York, N. Y. Liquid adhesives. Serial No. 463,926; Apr. 4. Class 44.

Bernhard, Arnold, New York, N. Y. Investment survey bulletin and statistical yearbook. Serial No. 463,927; Apr. 4. Class 38.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial Nos. 466,143–4; Apr. 4. Class 42.

Bulkley, Weinberg & Tormey, Incorporated, New York, N. Y. Ladies' and misses', men's and boys' coats, suits, jackets, etc. Serial No. 466,667; Apr. 4. Class 39.

Chanosky, Adolph, Fort Worth, Tex. Metallic product. Serial No. 462,846; Apr. 4. Class 14.

Container Corporation of America, Chicago, Ill. Paperboard. Serial No. 466,213; Apr. 4. Class 37.

Cremo Mfg. Co., Philadelphia, Pa. Marshmallow preparation. Serial No. 461,549; Apr. 4. Class 46.

Dyer, D. L., Kansas City, Mo. Stationery. Serial No. 464,108; Apr. 4. Class 37.

Eaton, Charles A., Company, Brockton, Mass. Boots and shoes. Serial Nos. 466,348–9; Apr. 4. Class 39.

Eisenstadt Manufacturing Company, St. Louis, Mo. Watch chains, tie clasps, emblem charms, etc. Serial No. 463,481; Apr. 4. Class 28.

Eureka Specialty Printing Company, Scranton, Pa. Calendars. Serial No. 457,949; Apr. 4. Class 38.

Federal Products Corporation, Providence, R. I. Dial indicators. Serial No. 465,338; Apr. 4. Class 26.

Gates Rubber Company, The, Denver, Colo. Power transmission belts. Serial No. 467,447; Apr. 4. Class 35.

Gates Rubber Company, The, Denver, Colo. Power transmission belts. Serial No. 467,449; Apr. 4. Class 35.

Glass and Resins Limited, London, England. Glass sheets and glass plates. Serial No. 461,484; Apr. 4. Class 33.

Golden Glint Company, Seattle, Wash. Lotions for skin and hair. Serial No. 466,486; Apr. 4. Class 6.

Graziadei, Leonard, Estate of, doing business as Beau Brummel Polish Company, Worcester, Mass. Shoe polish. Serial No. 466,876; Apr. 4. Class 4.

Hermanos, Sola, Buenos Aires, Argentina. Razors, razor blades, safety razors, etc. Serial No. 462,325; Apr. 4. Class 23.

Hoffman Radio Corporation, Los Angeles, Calif. Radio receiving apparatus and parts thereof. Serial No. 465,602; Apr. 4. Class 21.

Home Shift, The, San Francisco, Calif. Section of a magazine. Serial No. 459,369; Apr. 4. Class 38.

Hospital Specialty Company, The, Cleveland, Ohio. Sanitary napkins. Serial No. 466,084; Apr. 4. Class 44.

Hunn, L. S., Packing Co. (See Hunn, L. S.)

Hunn, L. S., doing business as L. S. Hunn Packing Co., Woodlake, Calif. Canned olives. Serial No. 467,067; Apr. 4. Class 46.

Indian Arts and Crafts Board, Washington, D. C. Paintings (both oil and water-color). Serial No. 467,083; Apr. 4. Class 38.

In-O-Matic Fountain Pen & Pencil Company. (See Rosa, Anthony G.)

Keene's Laboratories Limited, London, England. Tooth picks and tooth sticks. Serial No. 467,159; Apr. 4. Class 44.

Kitchen Maid Corporation, The, Andrews, Ind. Ironing boards. Serial No. 466,994; Apr. 4. Class 24.

Lake Hamilton Cooperative, Inc., Lake Hamilton, Fla. Fresh citrus fruits. Serial Nos. 467,245–6; Apr. 4. Class 46.

Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts thereof. Serial No. 464,398; Apr. 4. Class 19.

Lorenz, David M., Kansas City, Mo. Paper bags. Serial No. 465,952; Aug. 4. Class 2.

Marlon Confections Co., New York, N. Y. Candies. Serial Nos. 467,250–51; Apr. 4. Class 46.

McLaurin-Jones Co., Brookfield, Mass. Gummed paper tape and gummed fabric tape. Serial No. 459,122; Apr. 4. Class 37.

McLaurin-Jones Co., Brookfield, Mass. Gummed paper tape and gummed fabric tape. Serial No. 458,542; Apr. 4. Class 37.

Mead Johnson & Company, Evansville, Ind. Pharmaceutical preparation. Serial No. 467,040; Apr. 4. Class 6.

Middlebrooke Lancaster, Inc., Brooklyn, N. Y. Permanent wave oil, cream, cleansing cream, etc. Serial No. 466,535; Apr. 4. Class 6.

Miller Manufacturing Company, Camden, N. J. Chemicals for repairing cracks in metal, etc. Serial No. 458,369; Apr. 4. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins in solid or liquid form. Serial No. 463,573; Apr. 4. Class 1.

Nantex Manufacturing Co., New York, N. Y. Men's athletic underwear. Serial No. 467,105; Apr. 4. Class 39.

N. P. Co. (See Princiotta, Orazio.)

Nuguard Chemicals, Inc., East Paterson, N. J. Repellents for rodents and insects and insecticides, fungicides, etc. Serial No. 466,361; Apr. 4. Class 6.

Ohio Knife Company, The, Cincinnati, Ohio. Power cutting knives, and sheet metal shearing machines. Serial No. 465,206; Apr. 4. Class 23.

Ohio Knife Company, The, Cincinnati, Ohio. Machine cutting tools. Serial No. 465,207; Apr. 4. Class 23.

Orth, Ph., Company, Milwaukee, Wis. Lecithinated corn flour. Serial No. 459,673; Apr. 4. Class 46.

Paint Merchandising Council, Chicago, Ill. Paints, japans, varnishes, etc. Serial No. 462,649; Apr. 4. Class 16.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 466,104; Apr. 4. Class 6.

Polis & Hagan, Edinburg, Tex. Fresh tomatoes and fresh citrus fruit. Serial No. 463,102; Apr. 4. Class 46.

Press-On, Inc., New York, N. Y. Applique emblems. Serial No. 466,206; Apr. 4. Class 40.

Princiotta, Orazio, doing business as N. P. Co., Jamaica Plain, Mass. Hair tonic and dandruff remover. Serial No. 449,529; Apr. 4. Class 6.

Procter & Gamble Company, Cincinnati, Ohio. Soap. Serial No. 467,537; Apr. 4. Class 4.

Republic Filters, Inc., Paterson, N. J. Filtering apparatus. Serial No. 454,811; Apr. 4. Class 31.

Research Drug Co., Inc., New York, N. Y. Skin ointment. Serial No. 466,230; Apr. 4. Class 6.

Rezolin Company, The. (See Wurdeman, Charles L.)

Rosa, Anthony G., doing business as Ink-O-Matic Fountain Pen & Pencil Company, Lyndhurst, N. J. Fountain pens and lead pencils. Serial No. 458,483; Apr. 4. Class 37.

Rosa, Anthony G., doing business as Ink-O-Matic Fountain Pen & Pencil Company, Lyndhurst, N. J. Fountain pens and mechanical pencils. Serial No. 462,263; Apr. 4. Class 37.

Rosewal Sportswear Co., New York, N. Y. Children's shirts and blouses. Serial No. 466,385; Apr. 4. Class 39.

Sadacca, Albert V., Ann Arbor, Mich. Cosmetics. Serial No. 457,513; Apr. 4. Class 6.

Sealed-In Vitamins, Inc., New York, N. Y. Concentrate of vitamins and minerals. Serial No. 461,857; Apr. 4. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paint. Serial No. 462,931; Apr. 4. Class 16.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 463,938; Apr. 4. Class 2.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 463,941; Apr. 4. Class 2.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 463,943; Apr. 4. Class 2.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 463,948; Apr. 4. Class 2.

Specific Pharmaceuticals, Inc., New York, N. Y. Histidine and ascorbic acid injection. Serial No. 466,627; Apr. 4. Class 6.

Standard Pharmaceutical Co. (See Berger, Herman.)

Stensgaard, W. L., and Associates, Inc., Chicago, Ill. Electrically operated illuminating device. Serial No. 455,768; Apr. 4. Class 21.

Stonhard Company, Philadelphia, Pa. Patching and resurfacing cement. Serial No. 465,013; Apr. 4. Class 12.

Street, R. R., & Co., Inc., Chicago, Ill. Water repellent for use on fabrics. Serial No. 463,218; Apr. 4. Class 6.

Textile Service, Inc., Providence, R. I. Preparations for sizing, finishing, dyeing, and treatment of textiles and textile fibers. Serial No. 462,297; Apr. 4. Class 6.

Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Ferrous and a non-ferrous alloy. Serial No. 455,893; Apr. 4. Class 14.

Tremco Manufacturing Company, The, Cleveland, Ohio. Paints. Serial No. 466,181; Apr. 4. Class 16.
Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic Compound. Serial No. 466,559; Apr. 4. Class 16.
Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Company, Inc.)
Williamson Veneer Company, Cockeysville, Md. Plywood. Serial No. 467,142; Apr. 4. Class 12.
Willys-Overland Motors, Inc., Toledo, Ohio. Internal Combustion engines and parts thereof. Serial No. 467,551; Apr. 4. Class 23.
World Products Corporation, New York, N. Y. Vitamin preparations. Serial No. 466,472; Apr. 4. Class 6.
Wurdeman, Charles L., doing business as The Rezolin Company, Beverly Hills, Calif. Materials comprising synthetic resins. Serial No. 466,063; Apr. 4. Class 1.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing and detergent material. Serial No. 465,496; Apr. 4. Class 4.
Warren Featherbone Co., The, Three Oaks, Mich. Infant carrying flexible cradle chairs. Serial No. 465,441; Apr. 4. Class 19.
Wasson, Fred C., Compton, Calif. Toy airplane. Serial No. 467,629; Apr. 4. Class 22.
Weil, Lewis P., Germantown, Pa. Glass dishes, drinking glasses, salvers, etc. Serial No. 466,853; Apr. 4. Class 33.

LIST OF REGISTRANTS OF TRADE-MARKS

Abesto Manufacturing Company. (See Purcell, Isaac S.)
Abolition Products Co., not incorporated. (See Jacobs, Ruth.)
Alexander & Baldwin, Limited. (See Baldwin, Henry P., Ltd., assignor.)
American Locomotive Company. (See General Electric Company.)
American V Placket, Inc., Brooklyn, N. Y. Ready-to-use placket edging tape unit. 406,489; Apr. 4. Class 40.
Anthony, H. W., Company. (See Anthony, Harry W.)
Anthony, Harry W., to H. W. Anthony Company, Strausstown, Pa., successor. Hosiery. 186,764; renewed July 22, 1944.
A. P. W. Paper Company, Inc., Albany, N. Y. Toilet tissues and paper towels. 406,438; Apr. 4; Serial No. 464,073; published Jan. 25, 1944. Class 37.
Arcady Farms Milling Company, Chicago, Ill. Prepared feed for livestock. 187,164; renewed July 29, 1944.
Archer Hosiery Mills, Columbus, Ga. Full length hosiery. 406,475; Apr. 4. Class 39.
Associated Products. (See Jacobs, Ruth.)
Associated Seed Growers, Inc., New Haven, Conn. Garden and field seeds, bulbs and plants. 406,464; Apr. 4; Serial No. 465,057; published Jan. 25, 1944. Class 1.
Baker, Henry C., Wolfe Lake, Muskegon, Mich. Signal for mail boxes. 406,435; Apr. 4; Serial No. 463,769; published Jan. 25, 1944. Class 50.
Baldwin, Henry P., Ltd., doing business as Baldwin Packers, Lahaina, assignor to Alexander & Baldwin, Limited, Honolulu, Hawaii. Canned pineapple. 180,687; renewed Mar. 4, 1944.
Baldwin Packers, Lahaina. (See Baldwin, Henry P., Ltd.)
Baltimore Paper Box Co., The, Baltimore, Md. Fiberboard cartons. 406,486; Apr. 4. Class 2.
Baltimore Pure Rye Distilling Company, The, Baltimore, Md. Straight bourbon whiskey, straight rye whiskey, and blended whiskey. 406,457; Apr. 4; Serial No. 464,869; published Jan. 4, 1944. Class 49.
Barbasol Company, The, Indianapolis, Ind. Pastelike preparation for shaving and skin-healing purposes. 187,443; renewed Aug. 5, 1944.
Beaulieu Vineyard, San Francisco, Calif. Wine. 406,473; Apr. 4; Serial No. 465,311; published Jan. 18, 1944. Class 47.
Best Foods, Inc., The. (See Bixby, S. M., & Co. Inc., assignor.)
Best Foods, Inc., The. (See Dalley, F. F., Company, Inc., assignor.)
Best Foods, Inc., The. (See Fanning, Omar A., assignor.)
Best Foods, Inc., The. (See H-O Cereal Company, The.)
Best Foods, Inc., The, New York, N. Y. Hydrogenated vegetable oil. 181,160; renewed Mar. 11, 1944.
Best Foods, Inc., The, New York, N. Y. Hydrogenated coconut oil. 181,161; renewed Mar. 11, 1944.
Best Foods, Inc., The, New York, N. Y. Vegetable butter or vegetable fat. 182,309; renewed Apr. 8, 1944.
Bixby, S. M., & Co. Inc., Brooklyn and Buffalo, assignor to The Best Foods, Inc., New York, N. Y. Shoe polish and dressing. 180,396; renewed Feb. 26, 1944.
Bloomingdale Bros., Inc., New York, N. Y. Watches. 406,417; Apr. 4; Serial No. 461,601; published Oct. 12, 1943. Class 27.
Blum, D., & Co., Inc., New York, N. Y. Jewelry cleaner. 406,439; Apr. 4; Serial No. 464,077; published Jan. 25, 1944. Class 4.
Borgfeldt, Geo., Corporation, New York, N. Y. Table glassware. 406,487; Apr. 4. Class 33.
Bourget, New York, N. Y. Textile fabrics. 406,460; Apr. 4; Serial No. 464,912; published Jan. 25, 1944. Class 42.
Brantz, Louis P., Co., Philadelphia, Pa. Baby carriages, go-carts, chair-carts, etc. 406,422; Apr. 4; Serial No. 462,178; published Jan. 25, 1944. Class 19.
Bromberg, Louis, Brooklyn, N. Y. Pianos. 406,458; Apr. 4; Serial No. 464,872; published Jan. 25, 1944. Class 36.
Brotherhood of Railroad Shop Crafts of America, Louisville, Ky. Monthly periodical. 406,447; Apr. 4; Serial No. 464,689; published Jan. 25, 1944. Class 38.
Brown, Clarence S., & Company, New York, N. Y. Piece goods. 406,505; Apr. 4. Class 42.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. 406,432; Apr. 4; Serial No. 463,565; published Jan. 25, 1944. Class 22.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 406,445; Apr. 4; Serial No. 464,466; published Jan. 18, 1944. Class 42.
Buckeye Soda Products Company, The, Cincinnati, by change of name to The Buckey Soda Company, Painesville, Ohio. Washing soda (sal soda, refined crystals). 184,245; renewed May 20, 1944.
Buster, D. H., Chemical Company, Kansas City, Mo. Varnish type heavy duty floor finish. 406,480; Apr. 4. Class 16.
Campbell, J Forrester, Harrison, N. J. Combination of processed ferrous metal materials and ferro-alloys. 406,436; Apr. 4; Serial No. 463,774; published Jan. 25, 1944. Class 14.
Capper Pass & Son Limited, Bristol, England. Unwrought and partly wrought base and precious metals. 406,408; Apr. 4; Serial No. 457,447; published Jan. 18, 1944. Class 14.
Capper Pass & Son Limited, Bristol, England. Alloys of tin. 406,409; Apr. 4; Serial No. 457,448; published Jan. 18, 1944. Class 14.
Central Wholesale Grocers, Inc., to National Retailer-Owned Grocers, Inc., Chicago, Ill., successor. Canned vegetables. 179,747; renewed Feb. 12, 1944.
Chappel, Earl J., Rockford, Ill. Canned dog food. 406,415; Apr. 4; Serial No. 460,320; published Jan. 25, 1944. Class 46.
Charmette Fabrics Co., Inc., New York, N. Y. Piece goods. 406,433; Apr. 4; Serial No. 463,644; published Jan. 18, 1944. Class 42.
Chicago Mail Order Company, Chicago, Ill. Men's and boys' work shoes. 406,499; Apr. 4. Class 39.
Clark, Jas., Jr., assignor to Jas. Clark, Jr. Electric Company, Louisville, Ky. Electric portable drills, grinders, and screw drivers. 187,396; renewed Aug. 5, 1944.
Cleveland Shopping News Company, The, Cleveland, Ohio. Patterns. 406,459; Apr. 4; Serial No. 464,878; published Jan. 25, 1944. Class 22.
Cohan Roth & Stiffson, New York, N. Y. Neckties, cravats, and scarfs. 406,479; Apr. 4. Class 39.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearms. 406,461; Apr. 4; Serial No. 464,939; published Jan. 25, 1944. Class 9.
Comfy Manufacturing Company, The, Baltimore, Md. Furniture slip covers. 406,476; Apr. 4. Class 32.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Whiskies, gins, rums, etc. 406,402; Apr. 4; Serial No. 445,136; published Jan. 13, 1942. Class 49.
Comtor Company, The, Waltham, Mass. Micrometer gauges. 406,472; Apr. 4; Serial No. 465,285; published Jan. 25, 1944. Class 26.
Consolidated Slipper Corp., Malone and New York, N. Y. Ladies', misses' and children's shoes and slippers. 406,502; Apr. 4. Class 39.
Conti Products Corporation, Brooklyn, N. Y. Liquid shampoo and complexion cream. 406,498; Apr. 4. Class 6.
Costume Accessories of California, Inc., Los Angeles, Calif. Ladies' hand bags, bags for evening wear, purses and pocketbooks. 406,429; Apr. 4; Serial No. 463,145; published Jan. 25, 1944. Class 3.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Perfumes, toilet water, face powder, etc. 180,226; renewed Feb. 26, 1944.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Perfumes, toilet water, and eau de cologne. 180,654; renewed Mar. 4, 1944.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Perfumes, toilet water, face powder, etc. 180,660; renewed Mar. 4, 1944.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Perfumes. 180,661; renewed Mar. 4, 1944.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Toilet soaps. 181,134; renewed Mar. 11, 1944.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Rouges 182,811; renewed Apr. 15, 1944.

Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 184,091; renewed May 20, 1944.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Powder puffs. 185,497; renewed June 17, 1944.
Cristy Drygas Products. (See Cristy, Quintin J.)
Cristy, Quintin J., doing business as Cristy Drygas Products, Worcester, Mass. Water solvents, dehydrating agents, and antifreeze agents. 406,491; Apr. 4. Class 6.
Dalley, F. F., Company, Inc., Buffalo, assignor to The Best Foods, Inc., New York, N. Y. Shoe-polish pastes, cakes, and liquids. 182,835; renewed Apr. 15, 1944.
Dalley, F. F., Company, Inc., Buffalo, assignor to The Best Foods, Inc., New York, N. Y. Auto body cleaner. 183,871; renewed May 6, 1944.
Dalley, F. F., Company, Inc., Buffalo, assignor to The Best Foods, Inc., New York, N. Y. Auto body polish. 185,443; renewed June 17, 1944.
Dalley, F. F., Company, Inc., Buffalo, assignor to The Best Foods, Inc., New York, N. Y. Auto top dressing. 186,341; renewed July 8, 1944.
Davidow, Inc., Sportswear, New York, N. Y. Ladies' and misses' suits, jackets, skirts, etc. 406,485; Apr. 4. Class 39.
Dering, Fredericks M., Chicago, Ill., assignor to Plastergon Wall Board Company, Buffalo, N. Y. Wall boards. 178,324; renewed Jan. 8, 1944.
Distribution and Warehousing Publications, Inc., New York, N. Y. Annual publication. 406,452; Apr. 4; Serial No. 464,779; published Jan. 18, 1944. Class 38.
Duffy-Mott Company, Inc., New York, N. Y. Vinegars. 187,201; renewed July 29, 1944.
Duplan Corporation, The, New York, N. Y. Textile fabrics. 406,410; Apr. 4; Serial No. 458,607; published Jan. 25, 1944. Class 42.
Durand & Huguenin A. G., Basel, Switzerland. Dyestuffs for dyeing and printing. 187,503; renewed Aug. 5, 1944.
Durand-McNeil-Horner Co., assignor, by mesne assignments, to Sprague Warner-Kenny Corporation, Chicago, Ill. Root beer, orangeade, grape juice, etc. 184,796; renewed June 3, 1944.
Ecco Company. (See Keller, Karl.)
Elder Manufacturing Company, St. Louis, Mo. Men's and boys' shirts, boys' and children's blouses, etc. 187,587; renewed Aug. 5, 1944.
Elect Dress Co., New York, N. Y. Misses' and junior misses' dresses. 406,511; Apr. 4. Class 39.
Erard, E. B., Kingsville, Tex. Newspaper column. 406,442; Apr. 4; Serial No. 464,305; published Jan. 25, 1944. Class 38.
Everitt Hat Company, Milwaukee, Wis. Women's, misses', and girls' hats. 406,504; Apr. 4. Class 39.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 406,431; Apr. 4; Serial No. 463,509; published Nov. 16, 1943. Class 22.
Fanning, Omar A., Streator, Ill., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Pickles. 181,107; renewed Mar. 11, 1944.
Fensin, Chester, doing business as General Chair Co. (not incorporated). Chicago, Ill. Utility kits. 406,496; Apr. 4. Class 50.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 406,444; Apr. 4; Serial No. 464,415; published Jan. 11, 1944. Class 42.
Frank, J. P., & Company, New York, N. Y. Adhesive cloth, tape. 406,462; Apr. 4; Serial No. 464,942; published Jan. 25, 1944. Class 5.
Fruit Haven Farm, Woodbury, Ga. Fresh peaches. 180,011; renewed Feb. 19, 1944.
Fulton Bag & Cotton Mills, Atlanta, Ga. Waterproof duck and tarpaulins. 179,434; renewed Feb. 12, 1944.
Gallagher, William B., Philadelphia, Pa. Composition of vegetable waxes. 406,453; Apr. 4; Serial No. 464,780; published Jan. 25, 1944. Class 1.
Geiger, Louis, Inc., New York, N. Y. Ladies' and girls' slacks, slack suits, and slack ensembles. 406,481; Apr. 4. Class 39.
General Cable Corporation, New York, N. Y. House organ. 406,450; Apr. 4; Serial No. 464,747; published Jan. 11, 1944. Class 38.
General Chair Co. (not incorporated). (See Fensin, Chester.)
General Electric Company and American Locomotive Company, Schenectady and New York, N. Y. Publication. 406,423; Apr. 4; Serial No. 462,280; published Jan. 25, 1944. Class 38.
Gilmore Oil Company. (See Gilmore Petroleum Company, assignor.)
Gilmore Petroleum Company, assignor to Gilmore Oil Company, Los Angeles, Calif. Kerosene. 187,277; renewed July 29, 1944.
Glanzrock, Chas., & Co. (See Glanzrock La Penna Co., assignor.)
Glanzrock La Penna Co., assignor to Chas. Glanzrock & Co., New York, N. Y. Men's coats, vests, pants, and overcoats. 186,926; renewed July 22, 1944.
Glemby Company, Inc., The, New York, N. Y. Hair nets. 406,503; Apr. 4. Class 39.
Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. 406,421; Apr. 4; Serial No. 461,974; published Sept. 14, 1943. Class 27.
Graham Paper Company, St. Louis, Mo. Wrapping paper. 184,923; renewed June 3, 1944.
Gudebrod Bros. Silk Co., Inc., Philadelphia, Pa. Silk, cotton, mercerized, and machine sewing threads. 406,469; Apr. 4; Serial No. 465,137; published Jan. 25, 1944. Class 43.
H-O Cereal Company, Inc., The, Buffalo, by merger and change of name to The Best Foods, Inc., New York, N. Y. Oats and oatmeal. 186,407; renewed July 8, 1944.
Happy Mills, Memphis, Tenn. Mixed feeds for livestock and poultry. 406,455; Apr. 4; Serial No. 464,855; published Jan. 25, 1944. Class 46.
Harris, D. P., Hardware & Manufacturing Co. Inc., New York, N. Y. Bicycles and velocipedes for adults. 183,997; renewed May 13, 1944.
Harris, D. P., Hardware & Manufacturing Co. Inc., New York, N. Y. Children's bicycles and velocipedes. 181,111; renewed Mar. 11, 1944.
Hart Products Corporation, New York, N. Y. Woven or knitted piece goods made of cotton, silk, or rayon, etc. 406,414; Apr. 4; Serial No. 460,295; published Jan. 4, 1944. Class 42.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Candy. 406,471; Apr. 4; Serial No. 465,183; published Jan. 25, 1944. Class 46.
Hearst Magazines Inc., New York, N. Y. Magazine department or section. 406,470; Apr. 4; Serial No. 465,139; published Jan. 18, 1944. Class 38.
Holly Novelty & Sportswear Co., New York, N. Y. Ladies', misses', and juniors' blouses, skirts, jackets, etc. 406,509; Apr. 4. Class 39.
Holmes Coal Sales Company, The, Cincinnati, Ohio, assignor, by mesne assignments, to Holmes-Darst Coal Corporation, Knoxville, Tenn. Coal. 187,540; renewed Aug. 5, 1944.
Holmes-Darst Coal Corporation. (See Holmes Coal Sales Company, The, assignor.)
Hood, H. P., & Sons, Inc., Boston, Mass. Butter, dried beans, bread, etc. 180,379; renewed Feb. 26, 1944.
House of Tre-Jur, Inc., New York, N. Y. Soap. 406,467; Apr. 4; Serial No. 465,108; published Jan. 25, 1944. Class 4.
Import Publications, Inc., New York, N. Y. Periodical. 406,412; Apr. 4; Serial No. 458,938; published Jan. 11, 1944. Class 38.
Infilco Incorporated, Chicago, Ill. Liquid purifying units. 406,418–19; Apr. 4; Serial Nos. 461,631–2; published Jan. 25, 1944. Class 13.
International Shoe Co., St. Louis, Mo. Women's and children's shoes. 182,062; renewed Apr. 1, 1944.
International Shoe Company, St. Louis, Mo. Men's shoes. 182,160; renewed Apr. 1, 1944.
International Shoe Company, St. Louis, Mo. Men's and children's shoes. 182,161; renewed Apr. 1, 1944.
International Shoe Co., St. Louis, Mo. Men's shoes. 182,186; renewed Apr. 1, 1944.
International Shoe Co., St. Louis, Mo. Men's and children's shoes. 182,187; renewed Apr. 1, 1944.
International Shoe Co., St. Louis, Mo. Men's and children's shoes. 182,326; renewed Apr. 8, 1944.
International Shoe Co., St. Louis, Mo. Men's shoes. 182,444–5; renewed Apr. 8, 1944.
International Shoe Co., St. Louis, Mo. Children's shoes. 184,929; renewed June 3, 1944.
International Shoe Company, doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y., to International Shoe Co., St. Louis, Mo. Leather boots and shoes and slippers. 183,276; renewed Apr. 29, 1944.
International Shoe Co., The, doing business as Morse & Rogers, St. Louis Mo., and New York, N. Y., to International Shoe Co., St. Louis, Mo. Men's, women's, and children's shoes. 183,416; renewed Apr. 29, 1944.
International Shoe Company, Wilmington, Del., and St. Louis, to International Shoe Co., St. Louis, Mo. Shoes. 185,754; renewed June 24, 1944.
Iowa Biscuit Co., assignor to Midwest Biscuit Company, Inc., Burlington, Iowa. Bran biscuits. 185,742; renewed June 24, 1944.
Iron & Steel Products, Inc., Chicago (Hegewisch Station), Ill. Railway locomotives, couplings, journal boxes, etc. 406,484; Apr. 4. Class 23.
Jacobs, Ruth, doing business as Abolition Products Co., not incorporated, and Associated Products, Chicago, Ill. Chemical bubble bath preparations. 406,495; Apr. 4. Class 4.
Jardine, William H., Philadelphia, Pa. Ventilators. 181,159; renewed Mar. 11, 1944.
Jewett & Sherman Co. (See Murdock, C. A., Mfg. Co.)
Johnson Educator Food Company, Cambridge, assignor to Megowen-Educator Food Company, Lowell, Mass. Crackers coated with sweetened chocolate. 186,837; renewed July 22, 1944.
Jones, John P., doing business as Pep-So Beverage Company, Fort Morgan, assignor to the Pep-So Company, Denver, Colo. Maltless, nonalcoholic beverage sirup. 179,482; renewed Feb. 12, 1944.
Junior-Senior Golfing Society of Connecticut, The, Noroton, Conn. Newspaper column. 406,399; Apr. 4; Serial No. 441,772; published Jan. 11, 1944. Class 38.
Keller, Karl, doing business as Ecco Company, Hoboken, N. J. Drawing instruments. 184,682; renewed May 27, 1944.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. 184,469; renewed May 27, 1944.
Kickaway Garments, Inc. (See La Mode Garment Co., Inc., assignor.)
King, John P., Manufacturing Co., The, Augusta, Ga. Cotton shirtings. 184,543; renewed May 27, 1944.
Kirkendall Boot Company, Omaha, Nebr. Boots and shoes. 406,497; Apr. 4. Class 39.
Klein, D. Emil, Co., Inc. (See Seidenberg, R. J., Company, assignor.)
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Bread. 179,557; renewed Feb. 12, 1944.
Kurz and Root Company, Appleton, Wis. Electric generators and motor-generator sets. 406,446; Apr. 4; Serial No. 464,613; published Jan. 25, 1944. Class 21.
La Mode Garment Co., Inc., assignor, by mesne assignments, to Kickaway Garments, Inc., Chicago, Ill. Ladies' and children's wearing apparel, being that of underwear. 181,556; renewed Mar. 25, 1944.
Larson, M., Company, Chicago, Ill. Dental alloys, dental amalgams, etc. 406,406; Apr. 4; Serial No. 452,893; published Jan. 25, 1944. Class 44.
Leach Company, Oshkosh, Wis. Concrete mixers, paving mixers, portable saw rigs, etc. 183,853; renewed May 6, 1944.
Leistikow, L. A., & Sons, Inc., also doing business as L. A. Leistikow & Sons, Chicago, Ill. Pickled fish. 406,474; Apr. 4; Serial No. 465,537; published Jan. 25, 1944. Class 46.
Lewis, G. B., Company, Watertown, Wis. Wood airplane propellers. 406,413; Apr. 4; Serial No. 460,059; published Jan. 25, 1944. Class 19.
Lexa Watch Co., Inc., New York, N. Y. Watches and clocks. 406,416; Apr. 4; Serial No. 460,618; published July 20, 1943. Class 27.
Lucien Ardin, Inc., New York, N. Y. Wines. 406,427–8; Apr. 4; Serial Nos. 462,738–9; published Jan. 11, 1944. Class 47.
McKay, W. E., & Company, Incorporated, New York, N. Y., assignor to W. E. McKay, Severna Park, Md. Piece goods. 181,759; renewed Mar. 25, 1944.
McKay, William E. (See McKay, W. E., & Company, assignor.)
McKesson & Robbins, Incorporated, New York, N. Y. Combs. 406,482; Apr. 4. Class 40.
Megowen-Educator Food Company. (See Johnson Educator Food Company, assignor.)
Meilink Steel Safe Co., Toledo, Ohio. Fire and burglar proof receptacles. 406,424; Apr. 4; Serial No. 462,406; published Jan. 25, 1944. Class 25.
Melville Shoe Corporation, New York, N. Y. Rubber heels for shoes. 182,335; renewed Apr. 8, 1944.
Midwest Biscuit Company, Inc. (See Iowa Biscuit Co., assignor.)
Milliken, Tomlinson Co., Portland, Maine. Coffee, tea, chocolate, etc. 180,614; renewed Mar. 4, 1944.
Monarch Wine Co. of Georgia, Atlanta, Ga. Wines. 406,454; Apr. 4; Serial No. 464,823; published Jan. 18, 1944. Class 47.
Moore, Benjamin, & Co., Jersey City, N. J., and New York, N. Y. Ready mixed paints. 406,456; Apr. 4; Serial No. 464,861; published Jan. 25, 1944. Class 16.
Morse & Rogers. (See International Shoe Company.)
Munsingwear, Inc., Minneapolis, Minn. Knitted fabric. 406,451; Apr. 4; Serial No. 464,756; published Jan. 25, 1944. Class 42.
Murdock, C. A., Mfg. Co., Kansas City, Mo., to Jewett & Sherman Co., Milwaukee, Wis., successor. Spices, prepared mustard, and prepared mustard cream salad. 179,602; renewed Feb. 12, 1944.
Nashua Manufacturing Company, Boston, Mass. Blankets. 406,465; Apr. 4; Serial No. 465,078; published Jan. 11, 1944. Class 42.
National Cylinder Gas Company, Chicago, Ill. Machines for controlling the operation of gas torches. 406,411; Apr. 4; Serial No. 458,865; published Jan. 25, 1944. Class 34.
National Retailer-Owned Grocers, Inc. (See Central Wholesale Grocers, Inc.)
Nieblo M'f'g. Co., The, Newark, N. J., and New York, N. Y., assignor, by mesne assignments, to The Reddy Tee, Irvington, N. J. Golfing tees. 182,392; renewed Apr. 8, 1944.
Original Modes Company, New York, N. Y. Women's coats, suits, and dresses. 406,506; Apr. 4. Class 39.
Parker Watch Company, New York, N. Y. Watches and parts thereof. 406,463; Apr. 4; Serial No. 465,046; published Jan. 25, 1944. Class 27.
Pennsylvania Baking Company, Scranton, Pa. Pretzels. 186,113; renewed July 1, 1944.
Pep-So Beverage Company. (See Jones, John P.)
Pep-So Company. (See Jones, John P., assignor.)
Perlman, Charles, doing business as Charles Perlman Dress Company, St. Paul, Minn. Ladies' dresses and coats. 406,490; Apr. 4. Class 39.
Perlman, Charles, Dress Company. (See Perlman, Charles.)
Peverly, G. W., Oxnard, to G. W. Peverley, Pacoima, Calif. Root beer. 184,924; renewed June 3, 1944.
Phelan-Faust Paint Manufacturing Company, assignor to Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Paint and varnish remover. 183,493; renewed Apr. 29, 1944.
Pichel Inc., New York, N. Y. Ladies' handbags. 406,510; Apr. 4. Class 3.
Pierce, S. S., Co., Boston, Mass. Canned fruits and canned vegetables. 181,676; renewed Mar. 25, 1944.
Pierce, S. S. Co., Boston, Mass. Marmalade, sweetened chocolate, jellies, etc. 182,354; renewed Apr. 8, 1944.
Piver, L. T., Inc., Wilmington, Del., and New York, to L. T. Piver, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 187,445; renewed Aug. 5, 1944.
Plastergon Wall Board Company. (See Dering, Fredericks M., assignor.)
Pocket Books, Inc., New York, N. Y. Books. 406,443; Apr. 4; Serial No. 464,317; published Jan. 25, 1944. Class 38.
Pouge, H. E., Distillery Company, Inc., The, Chicago, Ill. Whiskey. 406,398; Apr. 4; Serial No. 425,365; published Jan. 18, 1944. Class 49.
Purcell, Isaac S., doing business as Abesto Manufacturing Company, Michigan City, Ind. Roofing cement. 406,407; Apr. 4; Serial No. 455,763; published Jan. 25, 1944. Class 12.
Quinto, Phil. & H., New York, N. Y. Ladies' and misses' coats and suits. 406,492; Apr. 4. Class 39.
Reddy Tee, The. (See Nieblo M'f'g. Co., The, assignor.)
Richmond Rubber Co., Inc., Richmond, Va. Tires. 406,507–8; Apr. 4. Class 35.
Sarco Company, Inc., New York, N. Y. Traps, strainers, and parts thereof, etc. 186,041; renewed July 1, 1944.
Schiffer, Benjamin, doing business as Schiffer Knitwear Company, New York, N. Y. Sweaters. 406,488; Apr. 4. Class 39.
Schiffer Knitwear Company. (See Schiffer, Benjamin.)
Schwabacher Bros. & Co. Incorporated, Seattle, Wash. Toilet paper. 186,143; renewed July 1, 1944.
Schwabacher Bros. & Co. Incorporated, Seattle, Wash. Paper and paper products. 186,144; renewed July 1, 1944.
Seidenberg, R. J., Company, Buffalo, assignor to D. Emil Klein Co., Inc., New York, N. Y. Cigars, cigarettes, cheroots, etc. 180,892; renewed Mar. 11, 1944.
Servel, Inc., Evansville, Ind., and New York, N. Y. Paints and painters' materials. 406,441; Apr. 4; Serial No. 464,275; published Jan. 25, 1944. Class 16.
Sickles, Louis, Philadelphia, Pa. Pocket watches, wrist watches, bracelet watches, etc. 406,448; Apr. 4; Serial No. 464,726; published Jan. 25, 1944. Class 27.
Sickles, Louis, Philadelphia, Pa. Pocket watches, wrist watches, bracelet watches, etc. 406,449; Apr. 4; Serial No. 464,728; published Jan. 25, 1944. Class 27.
Sioux Honey Association, Sioux City, Iowa. Strained and combed honey. 185,143; renewed June 10, 1944.
Slak-Nak, West Orange, N. J. Ski pants and parts of garments sets. 406,434; Apr. 4; Serial No. 463,657; published Jan. 25, 1944. Class 39.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopes, directional compasses, etc. 406,440; Apr. 4; Serial No. 464,207; published Jan. 25, 1944. Class 26.
Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. 406,466; Apr. 4; Serial No. 465,085; published Jan. 25, 1944. Class 43.
Skol Company, Inc., New York, N. Y. Collapsible boats. 406,420; Apr. 4; Serial No. 461,935; published Jan. 25, 1944. Class 19.
Sprague Warner-Kenny Corporation. (See Durand-McNeil-Horner Co., assignor.)
Standard Oil Company of New Jersey, Wilmington, Del. Lubricating grease. 406,500–1; Apr. 4. Class 15.
Standard Safety Equipment Co., Chicago, Ill. Women's caps. 406,483; Apr. 4. Class 39.
Stauffer Chemical Company, San Francisco, Calif. Liquid preparation for killing weeds. 187,377; renewed Aug. 5, 1944.
Steinway & Sons, New York, N. Y. Resin bonded wood piano and piano case structural parts and assemblies. 406,425; Apr. 4; Serial No. 462,608; published Jan. 25, 1944. Class 36.
Taylor, W. A. & Company, New York, N. Y. Rum. 406,437; Apr. 4; Serial No. 463,800; published Jan. 25, 1944. Class 49.
Tidy Products Company, New York, N. Y. Infant's or child's snow suit. 406,493; Apr. 4. Class 39.
Trude Manufacturing Co., San Francisco, Calif. Women's hats, outer vests, and suspenders. 406,494; Apr. 4. Class 39.
United Aircraft Corporation, East Hartford, Conn. Aircraft. 406,426; Apr. 4; Serial No. 462,652; published Jan. 25, 1944. Class 19.
United States Finishing Company, The, Norwich, Conn. Textile fabrics. 406,468; Apr. 4; Serial No. 465,118; published Jan. 18, 1944. Class 42.
Univis Lens Company, The, Dayton, Ohio. Ophthalmic lens blanks and eyeglass lenses. 406,477–8; Apr. 4. Class 26.
Van Iderstine Company, The, Long Island City, New York, N. Y. Poultry feed, digester tankage, and raw-bone meal. 181,462; renewed Mar. 18, 1944.
Vicario & Texidor, Sociedad de Responsabilidad Limitada, Buenos Aires, Argentina. Vermouth. 406,400–1; Apr. 4; Serial Nos. 445,027–8; published Jan. 11, 1944. Class 47.
Victor-American Fuel Company, The, Portland, Maine, and Denver, to The Victor-American Fuel Company, Denver, Colo. Coal. 181,290; renewed Mar. 18, 1944.

Wessells, Geo. M., doing business as George M. Wessells Company, Los Angeles, Calif. Magazine published periodically. 406,405; Apr. 4; Serial No. 448,594; published Jan. 25, 1944. Class 38.
Wessells, George M. Company. (See Wessells, Geo. M.)
Willson Goggles, Inc., Reading, Pa., by change of name to Willson Products, Inc. Ophthalmic mounting and parts thereof. 180,939; renewed Mar. 11, 1944.
Willson Products, Inc., Reading, Pa. Lenses. 406,430; Apr. 4; Serial No. 463,361; published Jan. 25, 1944. Class 26.
Willson Products, Inc. (See Willson Goggles, Inc.)
Wilson-Imperial Company, Newark, N. J. Paint, varnish, enamel, etc. 406,403; Apr. 4; Serial No. 447,856; published May 5, 1942. Class 16.
Wilson-Imperial Company, Newark, N. J. Cleaning, dulling and bonding liquid for preparing old paint and varnish surface for refinishing. 406,404; Apr. 4; Serial No. 447,857; published June 2, 1942. Class 16.
Wimberly & Thomas Hdwe. Co. Inc., Birmingham, Ala. Pocketknives, razors, scissors, etc. 184,733; renewed June 3, 1944.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Holmes Coal Sales Company, The. 187,540; renewed Aug. 5, 1944.
Coal. Victor-American Fuel Company. 181,290; renewed Mar. 18, 1944.
Seeds, bulbs and plants, Garden and field. Associated Seed Growers, Inc. 406,464; Apr. 4; Serial No. 465,057; published Jan. 25, 1944.
Vegetable waxes, Composition of. W. B. Gallagher. 406,453; Apr. 4; Serial No. 464,780; published Jan. 25, 1944.

CLASS 2

Cartons, Fiber-board. Baltimore Paper Box Co. 406,486; Apr. 4.

CLASS 3

Hand bags, bags for evening wear, purses, and pocketbooks, Ladies'. Costume Accessories of California, Inc. 406,429; Apr. 4; Serial No. 463,145; published Jan. 25, 1944.
Handbags, Ladies'. Pichel Inc. 406,510; Apr. 4.

CLASS 4

Auto top dressing. F. F. Dalley Company. 186,341; renewed July 8, 1944.
Bubble bath preparation, Chemical. R. Jacobs. 406,495; Apr. 4.
Cleaner, Auto body. F. F. Dalley Company. 183,871; renewed May 6, 1944.
Jewelry cleaner. D. Blum & Co. 406,439; Apr. 4; Serial No. 464,077; published Jan. 25, 1944.
Polish and dressing, Shoe. S. M. Bixby & Co. Inc. 180,396; renewed Feb. 26, 1944.
Shoe-polish pastes, cakes and liquids. F. F. Dalley Company. 182,835; renewed Apr. 15, 1944.
Soap. House of Tre-Jur, Inc. 406,467; Apr. 4; Serial No. 465,108; published Jan. 25, 1944.
Soaps, Toilet. Coty, Inc. 181,134; renewed Mar. 11, 1944.

CLASS 5

Tape, Adhesive cloth. J. P. Frank & Company. 406,462; Apr. 4; Serial No. 464,942; published Jan. 25, 1944.

CLASS 6

Dyestuffs for dyeing and printing. Durand & Huguenin A. G. 187,503; renewed Aug. 5, 1944.
Rouges. Coty, Inc. 182,811; renewed Apr. 15, 1944.
Shampoo and complexion cream, Liquid. Conti Products Corporation. 406,498; Apr. 4.
Solvents, dehydrating agents, and antifreeze agents, Water. Q. J. Cristy. 406,491; Apr. 4.
Perfume, toilet water, face powder, etc. Coty, Inc. 184,091; renewed May 20, 1944.
Perfume, toilet water, face powder, etc. L. T. Piver, Inc. 187,445; renewed Aug. 5, 1944.
Perfumes. Coty, Inc. 180,661; renewed Mar. 4, 1944.
Perfumes, toilet water, and eau de cologne. Coty, Inc. 180,654; renewed Mar. 4, 1944.
Perfumes, toilet water, face powder, etc. Coty, Inc. 180,226; renewed Feb. 26, 1944.
Perfumes, toilet water, face powder, etc. Coty, Inc. 180,660; renewed Mar. 4, 1944.
Preparation for killing weeds, Liquid. Stauffer Chemical Company. 187,377; renewed Aug. 5, 1944.
Preparation for shaving and skin-healing purposes, Pastelike. Barbasol Company. 187,443; renewed Aug. 5, 1944.
Washing soda (sal soda, refined crystals). Buckeye Soda Products Company. 184,245; renewed May 20, 1944.

CLASS 9

Firearms. Colt's Patent Fire Arms Manufacturing Company. 406,461; Apr. 4; Serial No. 464,939; published Jan. 25, 1944.

CLASS 12

Cement, Roofing. I. S. Purcell. 406,407; Apr. 4; Serial No. 455,763; published Jan. 25, 1944.
Wall boards. F. M. Dering. 178,324; renewed Jan. 8, 1944.

CLASS 13

Liquid purifying units. Infilco Incorporated. 406,418–19; Apr. 4; Serial Nos. 461,631–2; published Jan. 25, 1944.
Traps, strainers, and parts thereof, etc. Sarco Company. 186,041; renewed July 1, 1944.

CLASS 14

Alloys of tin. Capper Pass & Son Limited. 406,409; Apr. 4; Serial No. 457,448; published Jan. 18, 1944.
Base and precious metals, Unwrought and partly wrought. Capper Pass & Son Limited. 406,408; Apr. 4; Serial No. 457,447; published Jan. 18, 1944.
Ferrous metal materials and ferro-alloys, Combination of processed. J. F. Campbell. 406,436; Apr. 4; Serial No. 463,774; published Jan. 25, 1944.

CLASS 15

Grease, Lubricating. Standard Oil Company of New Jersey. 406,500–1; Apr. 4.
Kerosene. Gilmore Petroleum Company. 187,277; renewed July 29, 1944.

CLASS 16

Floor finish, Varnish type heavy. D. H. Buster Chemical Company. 406,480; Apr. 4.
Liquid for preparing old paint and varnish surface for refinishing, Cleaning, dulling and bonding. Wilson-Imperial Company. 406,404; Apr. 4; Serial No. 447,857; published June 2, 1942.
Paint and varnish remover. Phelan-Faust Paint Manufacturing Company. 183,493; renewed Apr. 29, 1944.
Paint, varnish, enamel, etc. Wilson-Imperial Company. 406,403; Apr. 4; Serial No. 447,856; published May 5, 1942.
Paints and painter's materials. Servel, Inc. 406,441; Apr. 4; Serial No. 464,275; published Jan. 25, 1944.
Paints, Ready mixed. Benjamin Moore & Co. 406,456; Apr. 4; Serial No. 464,861; published Jan. 25, 1944.
Polish, Auto body. F. F. Dalley Company. 185,443; renewed June 17, 1944.

CLASS 17

Cigars, cigarettes, cheroots, etc. R. J. Seidenberg Company. 180,892; renewed Mar. 11, 1944.

CLASS 19

Aircraft. United Aircraft Corporation. 406,426; Apr. 4; Serial No. 462,652; published Jan. 25, 1944.
Bicycles and velocipedes for adults. D. P. Harris Hardware & Manufacturing Co. Inc. 183,997; renewed May 13, 1944.
Boats, Collapsible. Skol Company. 406,420; Apr. 4; Serial No. 461,935; published Jan. 25, 1944.
Carriages, go-carts, chair-carts, etc., Baby. Louis P. Brantz Co. 406,422; Apr. 4; Serial No. 462,178; published Jan. 25, 1944.
Propellers, Wood airplane. G. B. Lewis Company. 406,413; Apr. 4; Serial No. 460,059; published Jan. 25, 1944.

CLASS 21

Drills, grinders, and screw drivers, Electric portable. Jas. Clark, Jr. Electric Company. 187,396; renewed Aug. 5, 1944.
Generators and motor-generator sets, Electric. Kurz and Root Company. 406,446; Apr. 4; Serial No. 464,613; published Jan. 25, 1944.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 406,431; Apr. 4; Serial No. 463,509; published Nov. 16, 1943.
Bicycles and velocipedes, Children's. D. P. Harris Hardware & Manufacturing Co. Inc. 181,111; renewed Mar. 11, 1944.
Cues, Billiard. Brunswick-Balke-Collender Company. 406,432; Apr. 4; Serial No. 463,565; published Jan. 25, 1944.
Patterns. Cleveland Shopping News Company. 406,459; Apr. 4; Serial No. 464,878; published Jan. 25, 1944.
Tees, Golfing. Nieblo M'f'g. Co. 182,392; renewed Apr. 8, 1944.

CLASS 23

Concrete mixers, paving mixers, portable saw rigs, etc. Leach Company. 183,853; renewed May 6, 1944.
Pocketknives, razors, scissors, etc. Wimberly & Thomas Hdwe. Co. Inc. 184,733; renewed June 3, 1944.
Railway locomotives, couplings, journal boxes, etc. Iron & Steel Products, Inc. 406,484; Apr. 4.

CLASS 25

Receptacles, Fire and burglar proof. Meilink Steel Safe Co. 406,424; Apr. 4; Serial No. 462,406; published Jan. 25, 1944.

CLASS 26

Drawing instruments. Keuffel & Esser Company. 184,469; renewed May 27, 1944.
Drawing instruments. K. Keller. 184,682; renewed May 27, 1944.
Gauges, Micrometer. Comtor Company. 406,472; Apr. 4; Serial No. 465,285; published Jan. 25, 1944.
Gyroscopes, directional compasses, etc. Sperry Gyroscope Company. 406,440; Apr. 4; Serial No. 464,207; published Jan. 25, 1944.
Lenses. Willson Products, Inc. 406,430; Apr. 4; Serial No. 463,361; published Jan. 25, 1944.
Ophthalmic lens blanks and eyeglass lenses. Univis Lens Company. 406,477–8; Apr. 4.

CLASS 27

Watches. Bloomingdale Bros., Inc. 406,417; Apr. 4; Serial No. 461,601; published Oct. 12, 1943.
Ophthalmic mountings and parts thereof. Willson Goggles, Inc. 180,939; renewed Mar. 11, 1944.
Watches and clocks. Lexa Watch Co. 406,416; Apr. 4; Serial No. 460,618; published July 20, 1943.
Watches and parts thereof. Parker Watch Company. 406,463; Apr. 4; Serial No. 465,046; published Jan. 25, 1944.
Watches, wrist watches, bracelet watches, etc., Pocket. L. Sickles. 406,449; Apr. 4; Serial No. 464,728; published Jan. 25, 1944.
Watches, wrist watches, bracelet watches, etc., Pocket. L. Sickles. 406,448; Apr. 4; Serial No. 464,726; published Jan. 25, 1944.
Watch movements and wrist and pocket watches. Jean R. Graef, Inc. 406,421; Apr. 4; Serial No. 461,974; published Sept. 14, 1943.

CLASS 29

Powder puffs. Coty, Inc. 185,497; renewed June 17, 1944.

CLASS 32

Slip covers, Furniture. Comfy Manufacturing Company. 406,476; Apr. 4.

CLASS 33

Glassware, Table. Geo. Borgfeldt Corporation. 406,487; Apr. 4.

CLASS 34

Machines for controlling the operation of gas torches. National Cylinder Gas Company. 406,411; Apr. 4; Serial No. 458,865; published Jan. 25, 1944.
Ventilators. W. H. Jardine. 181,159; renewed Mar. 11, 1944.

CLASS 35

Tires. Richmond Rubber Co. Inc. 406,507–8; Apr. 4.

CLASS 36

Piano and piano case structural parts and assemblies. Resin bonded wood. Steinway & Sons. 406,425; Apr. 4; Serial No. 462,608; published Jan. 25, 1944.
Pianos. L. Bromberg. 406,458; Apr. 4; Serial No. 464,872; published Jan. 25, 1944.

CLASS 37

Paper and paper products. Schwabacher Bros. & Co. Incorporated. 186,144; renewed July 1, 1944.
Paper, Toilet. Schwabacher Bros. & Co. Incorporated. 186,143; renewed July 1, 1944.
Paper, Wrapping. Graham Company. 184,923; renewed June 3, 1944.
Toilet tissues and paper towels. A. P. W. Paper Company. 406,438; Apr. 4; Serial No. 464,073; published Jan. 25, 1944.

CLASS 38

Annual publication. Distribution and Warehousing Publications, Inc. 406,452; Apr. 4; Serial No. 464,779; published Jan. 18, 1944.
Books. Pocket Books, Inc. 406,443; Apr. 4; Serial No. 464,317; published Jan. 25, 1944.
House organ. General Cable Corporation. 406,450; Apr. 4; Serial No. 464,747; published Jan. 11, 1944.
Magazine department or section. Hearst Magazine Inc. 406,470; Apr. 4; Serial No. 465,139; published Jan. 18, 1944.
Magazine published periodically. G. M. Wessells. 406,405; Apr. 4; Serial No. 448,594; published Jan. 25, 1944.
Newspaper column. E. B. Erard. 406,442; Apr. 4; Serial No. 464,305; published Jan. 25, 1944.
Newspaper column. Junior-Senior Golfing Society of Connecticut. 406,399; Apr. 4; Serial No. 441,772; published Jan. 11, 1944.
Periodical. Import Publications, Inc. 406,412; Apr. 4; Serial No. 458,938; published Jan. 11, 1944.
Periodical, Monthly. Brotherhood of Railroad Shop Crafts of America. 406,447; Apr. 4; Serial No. 464,689; published Jan. 25, 1944.
Publication. General Electric Company. 406,423; Apr. 4; Serial No. 462,280; published Jan. 25, 1944.

CLASS 39

Blouses, skirts, jackets, etc., Ladies', misses' and juniors'. Holly Novelty & Sportswear Co. 406,509; Apr. 4.
Boots and shoes. Kirkendall Boot Company. 406,497; Apr. 4.
Boots and shoes and slippers, Leather. International Shoe Company. 183,276; renewed Apr. 29, 1944.
Caps, Women's. Standard Safety Equipment Co. 406,483; Apr. 4.
Coats and suits, Ladies' and misses'. Phil & H. Quinto. 406,492; Apr. 4.
Coats, suits, and dresses, Women's. Original Modes Company. 406,506; Apr. 4.
Coats, vests, pants, and overcoats, Men's. Glanzrock La Penna Co. 186,926; renewed July 22, 1944.
Dresses and coats, Ladies'. C. Perlman. 406,490; Apr. 4.
Dresses, Misses' and junior misses'. Elect Dress Co. 406,511; Apr. 4.
Hats, outer vests, and suspenders, Women's. Trude Manufacturing Co. 406,494; Apr. 4.
Hats, Women's, misses', and girls'. Everitt Hat Company. 406,504; Apr. 4.
Heels for shoes, Rubber. Melville Shoe Corporation. 182,335; renewed Apr. 8, 1944.
Hosiery. H. W. Anthony. 186,764; renewed July 22, 1944.
Hosiery, Full length. Archer Hosiery Mills. 406,475; Apr. 4.
Neckties, cravats, and scarfs. Cohan Roth & Stiffson. 406,479; Apr. 4.
Nets, Hair. Glemby Company. 406,503; Apr. 4.
Pants and parts of garment sets, Skl. Slak-Nak. 406,434; Apr. 4; Serial No. 463,657; published Jan. 25, 1944.
Shirts, Men's and boys', and boys' and children's blouses, play suits, etc. Elder Manufacturing Company. 187,587; renewed Aug. 5, 1944.
Shoes. International Shoe Company. 185,754; renewed June 24, 1944.
Shoes and slippers, Ladies', misses' and children's. Consolidated Slipper Corp. 406,502; Apr. 4.
Shoes, Children's. International Shoe Co. 184,929; renewed June 3, 1944.
Shoes, Men's. International Shoe Company. 182,160; renewed Apr. 1, 1944.
Shoes, Men's. International Shoe Co. 182,186; renewed Apr. 1, 1944.
Shoes, Men's. International Shoe Co. 182,444–5; renewed Apr. 8, 1944.
Shoes, Men's and boys' work. Chicago Mail Order Company. 406,499; Apr. 4.
Shoes, Men's and children's. International Shoe Company. 182,161; renewed April 1, 1944.
Shoes, Men's and children's. International Shoe Co. 182,187; renewed Apr. 1, 1944.
Shoes, Men's and children's. International Shoe Co. 182,326; renewed Apr. 8, 1944.
Shoes, Men's, women's, and children's. International Shoe Co. 183,416; renewed Apr. 29, 1944.
Shoes, Women's and children's. International Shoe Co. 182,062; renewed Apr. 1, 1944.
Slacks, slack suits, and slack ensembles, Ladies' and girls'. Louis Geiger, Inc. 406,481; Apr. 4.
Snow suit, Infant's or child's. Tidy Products Company. 406,493; Apr. 4.
Suits, jackets, skirts, etc., Ladies' and misses'. Davidow, Inc. Sportswear. 406,485; Apr. 4.
Sweaters. B. Schiffer. 406,488; Apr. 4.
Wearing apparel, being that of underwear, Ladies' and children's. La Mode Garment Co. 181,556; renewed Mar. 25, 1944.

CLASS 40

Combs. McKesson & Robbins, Incorporated. 406,482; Apr. 4.
Placket edging tape unit, Ready-to-use. American V Placket, Inc. 406,489; Apr. 4.

CLASS 42

Billiard cloth. Brunswick-Balke-Collender Company. 406,445; Apr. 4; Serial No. 464,466; published Jan. 18, 1944.
Blankets. Nashua Manufacturing Company. 406,465; Apr. 4; Serial No. 465,078; published Jan. 11, 1944.
Cotton shirtings, sheetings, and drills. John P. King Manufacturing Co. 184,543; renewed May 27, 1944.
Fabric, Knitted. Munsingwear, Inc. 406,451; Apr. 4; Serial No. 464,756; published Jan. 25, 1944.
Fabrics, Textile. Bourget. 406,460; Apr. 4; Serial No. 464,912; published Jan. 25, 1944.
Fabrics, Textile. Duplan Corporation. 406,410; Apr. 4; Serial No. 458,607; published Jan. 25, 1944.

Fabrics, Textile. United States Finishing Company. 406,468; Apr. 4; Serial No. 465,118; published Jan. 18, 1944.
Piece goods. Charmette Fabrics Co. 406,433; Apr. 4; Serial No. 463,644; published Jan. 18, 1944.
Piece goods. Clarence S. Brown & Company. 406,505; Apr. 4.
Piece goods. W. E. McKay & Company. 181,759; renewed Mar. 25, 1944.
Piece goods made of cotton, silk or rayon, Woven or knitted, etc. Hart Products Corporation. 406,414; Apr. 4; Serial No. 460,295; published Jan. 4, 1944.
Piece goods, Woolen. Forstmann Woolen Co. 406,444; Apr. 4; Serial No. 464,415; published Jan. 11, 1944.

CLASS 43

Threads, Silk, cotton, mercerized and machine sewing. Gudebrod Bros. Silk Co. Inc. 406,469; Apr. 4; Serial No. 465,137; published Jan. 25, 1944.
Yarn. Spinnerin Yarn Co. 406,466; Apr. 4; Serial No. 465,085; published Jan. 25, 1944.

CLASS 44

Dental alloys, dental amalgams, etc. M. Larson Company. 406,406; Apr. 4; Serial No. 452,893; published Jan. 25, 1944.

CLASS 45

Sirup, Maltless, nonalcoholic beverage. J. P. Jones. 179,482; renewed Feb. 12, 1944.
Root beer. G. W. Peverly. 184,924; renewed June 3, 1944.
Root beer, orangeade, grape juice, etc. Durand-McNeil-Horner Co. 184,796; renewed June 3, 1944.

CLASS 46

Bran biscuits. Iowa Biscuit Co. 185,742; renewed June 24, 1944.
Bread. Kroger Grocery & Baking Co. 179,557; renewed Feb. 12, 1944.
Butter, dried beans, bread, etc. H. P. Hood & Sons, Inc. 180,379; renewed Feb. 26, 1944.
Butter or vegetable fat, Vegetable. Best Foods, Inc. 182,309; renewed Apr. 8, 1944.
Candy. Hawaiian Pineapple Company, Ltd. 406,471; Apr. 4; Serial No. 465,183; published Jan. 25, 1944.
Canned fruits and canned vegetables. S. S. Pierce Co. 181,676; renewed Mar. 25, 1944.
Canned pineapple. Henry P. Baldwin, Ltd. 180,687; renewed Mar. 4, 1944.
Canned vegetables. Central Wholesale Grocers, Inc. 179,747; renewed Feb. 12, 1944.
Coffee, tea, chocolate, etc. Milliken, Tomlinson Co. 180,614; renewed Mar. 4, 1944.
Crackers coated with sweetened chocolate. Johnson Educator Food Company. 186,837; renewed July 22, 1944.
Dog food, Canned. E. J. Chappel. 406,415; Apr. 4; Serial No. 460,320; published Jan. 25, 1944.
Feed for livestock, Prepared. Arcady Farms Milling Company. 187,164; renewed July 29, 1944.
Feeds for livestock and poultry, Mixed. Happy Mills. 406,455; Apr. 4; Serial No. 464,855; published Jan. 25, 1944.
Fish, Pickled. L. A. Leistikow & Sons, Inc. 406,474; Apr. 4; Serial No. 465,537; published Jan. 25, 1944.
Honey, Strained and combed. Sioux Honey Association. 185,143; renewed June 10, 1944.
Marmalade, sweetened chocolate, jellies, etc. S. S. Pierce Co. 182,354; renewed Apr. 8, 1944.
Oats and oatmeal. H-O Cereal Company. 186,407; renewed July 8, 1944.
Oil, Hydrogenated vegetable. Best Foods, Inc. 181,160; renewed Mar. 11, 1944.
Oil, Hydrogenated coconut. Best Foods, Inc. 181,161; renewed Mar. 11, 1944.
Peaches, Fresh. Fruit Haven Farm. 180,011; renewed Feb. 19, 1944.
Pickles. O. A. Fanning. 181,107; renewed Mar. 11, 1944.
Poultry feed, digester tankage, and raw-bone meal. Van Iderstine Company. 181,432; renewed Mar. 18, 1944.
Pretzels. Pennsylvania Baking Company. 186,113; renewed July 1, 1944.
Spices, prepared mustard and prepared mustard cream salad. C. A. Murdock Mfg. Co. 179,602; renewed Feb. 12, 1944.
Vinegars. Duffy-Mott Company. 187,201; renewed July 29, 1944.

CLASS 47

Vermouth. Vicario & Texidor,, Sociedad de Responsabilidad Limitada. 406,400–1; Apr. 4; Serial Nos. 445,027–8; published Jan. 11, 1944.
Wine. Beaulieu Vineyard. 406,473; Apr. 4; Serial No. 465,311; published Jan. 18, 1944.
Wines. Lucien Ardin, Inc. 406,427–8; Apr. 4; Serial Nos. 462,738–9; published Jan. 11, 1944.
Wines. Monarch Wine Co. of Georgia. 406,454; Apr. 4; Serial No. 464,823; published Jan. 18, 1944.

CLASS 49

Rum. W. A. Taylor & Company. 406,437; Apr. 4; Serial No. 463,800; published Jan. 25, 1944.
Whiskey. H. E. Pouge Distillery Company. 406,398; Apr. 4; Serial No. 425,365; published Jan. 18, 1944.
Whiskey, straight rye whiskey, and blended whiskey, Straight bourbon. Baltimore Pure Rye Distilling Company. 406,457; Apr. 4; Serial No. 464,869; published Jan. 4, 1944.
Whiskies, gins, rums, etc. Companhia Antarctica Paulista. 406,402; Apr. 4; Serial No. 445,136; published Jan. 13, 1942.

CLASS 50

Duck and tarpaulins, Waterproof. Fulton Bag & Cotton Mills. 179 434; renewed Feb. 12, 1944.
Kits, Utility. C. Fensin. 406,496; Apr. 4.
Signal for mail boxes. Henry C. Baker. 406,435; Apr. 4; Serial No. 463,769; published Jan. 25, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1944

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Calumet and Hecla Consolidated Copper Company. (See Hill, Walter P., assignor.)

Hill, Walter P., Detroit, assignor, by mesne assignments, to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Method and apparatus for shaping members. Re. 22,465; Apr. 4.

Kelso, Charles D., Princeton, N. J., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. Re. 22,464; Apr. 4.

Mixon, Lawson W. (See Kelso, C. D., and Mixon.)

Pollard, Willard L., Evanston, Ill. Variable speed transmission. Re. 22,466; Apr. 4.

Ronning, Jacob A., Minneapolis, Minn. High grass lawn mower. Re. 22,467; Apr. 4.

Sears, Richard W., II, Grayslake, Ill. Record. Re. 22,468; Apr. 4.

Standard Oil Company. (See Kelso, C. D., and Mixon, assignors.)

LIST OF PLANT PATENTEES

Kondo, Valentine C., Miami, Fla. Gardenia plant. 622; Apr. 4.

LIST OF DESIGN PATENTEES

Adams, Wilbur H., Erie, Pa., assignor to The Colson Corporation Elyria, Ohio. Linen truck. 137,626; Apr. 4.

Babson Bros. Co. (See Babson, H. B., and Thomas, assignors.)

Babson, Henry B., Chicago, and C. A. Thomas, Crystal Lake, Ill., assignors to Babson Bros. Co. Milking parlor stall unit. 137,590; Apr. 4.

Bastian Blessing Company, The. (See Levings, Sherburne D., assignor.)

Beck, Simon, New York, N. Y. Coat. 137,627; Apr. 4.

Bee, Sophie, Edgewater, N. J. Pin or the like. 137,577; Apr. 4.

Bendix Aviation Corporation. (See Flanagan, R., and Taylor, assignors.)

Brody, Benjamin R., New York, N. Y. Lady's handbag or similar article. 137,619; Apr. 4.

Christie, Soren L., Los Angeles, Calif. Cabinet for electrical apparatus. 137,609; Apr. 4.

Cohen, Henry B., assignor to Sea Emergency Devices, Inc., New York, N. Y. Emergency porthole closure unit. 137,620; Apr. 4.

Colson Corporation, The. (See Adams, Wilbur H., assignor.)

Corke, Richard D., Seattle, Wash. Earring. 137,578; Apr. 4.

Curtiss-Wright Corporation. (See Eaton, Bruce G., Jr., assignor.)

Curtiss-Wright Corporation. (See Page, George A., Jr., assignor.)

Dieter, Walter G., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mirror clip or similar article. 137,591; Apr. 4.

Duhrssen, Alfred, New York, N. Y. Plate or similar article. 137,579; Apr. 4.

Duhrssen, Alfred, New York, N. Y. Plate or similar article. 137,585; Apr. 4.

Duhrssen, Alfred, New York, N. Y. Plate or similar article. 137,586; Apr. 4.

Du Rocher, Lee A., Norco, La. Clock face. 137,592; Apr. 4.

Eaton, Bruce G., Jr., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Airplane. 137,610; Apr. 4.

Eshelman, Cheston L., Baltimore, Md. Airplane. 137,628; Apr. 4.

Faulkner, Willard J., Chicago, Ill. Phonograph record holding spindle. 137,611; Apr. 4.

Flanagan, Robert, Glen Rock, and M. L. Taylor, Ridgewood, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Motor operated fluid pump and distributing device. 137,612; Apr. 4.

Fulton, Tilda V., assignor of one-half to A. L. Teaque, Charlotte, N. C. Doll. 137,593; Apr. 4.

Galantin, Joseph I., Des Plaines, Ill. Game board. 137,594; Apr. 4.

Goodman, L. A., Manufacturing Co. (See Goodman, L. A., and Levy, assignors.)

Goodman, Louis A., and N. S. Levy, assignors to L. A. Goodman Manufacturing Co., Chicago, Ill. Combination toy wheelbarrow and rocker. 137,595; Apr. 4.

Green, Lee B., Lakewood, Ohio. Combined electric fan and heater. 137,596; Apr. 4.

Gruber, Abe, New York, N. Y. Suit. 137,580; Apr. 4.

Gruber, Abe, New York, N. Y. Coat. 137,581; Apr. 4.

Gruber, Abe, New York, N. Y. Coat. 137,582; Apr. 4.

Guernsey, James E., West Roxbury, assignor to Polaroid Corporation, Cambridge, Mass. Dog goggles. 137,597; Apr. 4.

Gustkey, Carl W., Wheeling, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Ash tray or similar article. 137,613; Apr. 4.

Harasty, Viktor, Whitestone, N. Y. Chair. 137,587; Apr. 4.

Harasty, Viktor, Whitestone, N. Y. Table. 137,588; Apr. 4.

Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Motor frame for an engine starter. 137,629; Apr. 4.

Holmgren, Gustave. (See Tator, K., and Holmgren.)

Imperial Glass Corporation. (See Gustkey, Carl W., assignor.)

Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)

Kaminky, Oscar H., assignor to Micro Switch Corporation, Freeport, Ill. Switch bracket. 137,614; Apr. 4.

Kellar, William D., Newton, Mass. Uniform or similar article. 137,621; Apr. 4.

Landau, Sam, New York, N. Y. Slip. 137,622; Apr. 4.

Lesiak, Leonard L., and J. H. Shows, Los Angeles, Calif. Tray or similar article. 137,598; Apr. 4.

Levings, Sherburne D., Winnetka, assignor to The Bastian Blessing Company, Chicago, Ill. Draft arm. 137,589; Apr. 4.

Levitt, Max, New York, N. Y. Woman's jumper. 137,599; Apr. 4.

Levitt, Max, New York, N. Y. Woman's jumper. 137,600; Apr. 4.

Levy, Norman S. (See Goodman, L. A., and Levy.)

Lewis, Max J., Forest Hills, N. Y. Medallion or similar article. 137,615; Apr. 4.

Libbey-Owens-Ford Glass Company. (See Dieter, Walter G., assignor.)

Lotters, Fred H., assignor to Mohawk Brush Company, Albany, N. Y. Hair brush. 137,616; Apr. 4.

Lowe, Erwin S., New York, N. Y. Game device or similar article. 137,601; Apr. 4.

Lowe, Erwin S., New York, N. Y. Game unit or similar article. 137,602; Apr. 4.

Lytle, Earl J., Los Angeles, Calif. Clothespin. 137,583; Apr. 4.

Mee, Samuel N. S., and F. J. Toone, assignors to Parmeko Limited, Aylestone Park, Leicester, England. Loudspeaker. 137,603; Apr. 4.

Micro Switch Corporation. (See Kaminky, Oscar H., assignor.)

Miller, Norman P., West Los Angeles, Calif. Separating container. 137,617; Apr. 4.

Mohawk Brush Company. (See Lotters, Fred H., assignor.)

Muecke, Ray M., Wilmington, assignor to The Progressive Advertising Co., New Hanover, N. C. Outdoor display board. 137,604; Apr. 4.

Novick, William, Brooklyn, N. Y. Covered eyelet button. 137,584; Apr. 4.

Page, George A., Jr., Creve Coeur, Mo., assignor to Curtiss-Wright Corporation. Airplane. 137,623; Apr. 4.

Parmeko Limited. (See Mee, S. N. S., and Toone, assignors.)

Peterson, Clyde A., assignor to Wells-Gardner & Co., Chicago, Ill. Radio cabinet. 137,624; Apr. 4.
Peterson, Clyde A., assignor to Wells-Gardner & Co., Chicago, Ill. Escutcheon plate for a radio receiver. 137,625; Apr. 4.
Polaroid Corporation. (See Guernsey, James E., assignor.)
Progressive Advertising Co., The. (See Muecke, Ray M., assignor.)
Reiner, Leo A., Detroit, Mich. Scaffold unit. 137,605; Apr. 4.
Rolfes, Fritz H., Johannesburg, Transvaal, Union of South Africa. Fuze cap fastener. 137,618; Apr. 4.
Sea Emergency Devices, Inc. (See Cohen, Henry B., assignor.)
Shows, Jodie H. (See Lesiak, L. L., and Shows.)
Shulman, Matthew H., New York, N. Y. Fork or analogous article. 137,606; Apr. 4.
Smith, Lawson A., Los Angeles, Calif. Cutting tool. 137,607; Apr. 4.
Tator, Kenneth, Fairfax, Va., and G. Holmgren, Washington, D. C. Poker chip or similar article. 137,608; Apr. 4.
Taylor, Myron L. (See Flanagan, R., and Taylor.)
Teague, Annie L. (See Fulton, Tilda V., assignor.)
Thomas, Chester A. (See Babson, H. B., and Thomas.)
Toone, Frederick J. (See Mee, S. N. S., and Toone.)
Wells-Gardner & Co. (See Peterson, Clyde A., assignor.)
Wilkens, Emily, New York, N. Y. Dress. 137,630; Apr. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1944

NOTE.-- Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adlake Company, The. (See Verhagen, Christian M., assignor.)
Adorno, Joseph, Columbus, Ohio. Double-headed motion picture projector supporting means. 2,345,911; Apr. 4.
Aero Supply Mfg. Co. Inc. (See Downey, George T., assignor.)
Agriculture, and his successors in office, United States of America as represented by Claude R. Wickard, Secretary of. (See Sullivan, W. N., and Goodhue, assignors.)
Aktiengesellschaft fuer Technische Studien. (See Salzmann, Fritz, assignor.)
Albert Kircher Company, The. (See Wagner, Harold H., assignor.)
Albertoli, John, San Francisco, Calif. Box loader for cans. 2,345,560; Apr. 4.
Alcorn, Robert L., Jr., assignor to Chambersburg, Engineering Company, Chambersburg, Pa. Hydraulically operated drop hammer. 2,345,563; Apr. 4.
Alien Property Custodian. (See Douma, Tjiske.)
Alien Property Custodian. (See van Lammeren, J. A., and van der Mey.)
Alien Property Custodian. (See Wirth, G., and Laudenklos.)
Allen, Roy A. B., Jr., Dallas, Tex. Internal combustion engine. 2,345,561; Apr. 4.
Allen, Wayne H., Los Angeles, Calif., assignor to General Electric Company. Bearing arrangement. 2,345,564; Apr. 4.
Allied Chemical & Dye Corporation. (See Cline, Edwin L., assignor.)
Allied Chemical & Dye Corporation. (See Haskell, S. B., and Harvey, assignors.)
Allis-Chalmers Manufacturing Company. (See Dahlstrand, Hans P., assignor.)
Allis-Chalmers Manufacturing Company. (See Otto, Eugene J., assignor.)
Allstatter, Edwin E., Middletown, Ohio. Sterilizer. 2,345,721; Apr. 4.
Altgelt, Rudolph J. (See Gemberling, C. H., and Altgelt.)
Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 2,346,061; Apr. 4.
Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Lens. 2,346,062; Apr. 4.
Aluminum Company of America. (See La Marca, John, assignor.)
Aluminum Company of America. (See Michel, Mathias, assignor.)
American Can Company. (See Martin, William M., assignor.)
American Can Company. (See Roberts, Fred O., assignor.)
American Car and Foundry Company. (See Claus, W. P., and Hill, assignors.)
American Foundry Equipment Company, The. (See Lehman, Edgar A., assignor.)
American-LaFrance-Foamite Corporation. (See Lindsay, Charles H., assignor.)
American Locomotive Company. (See Gunter, Addison Y., assignor.)
American Optical Company. (See Bennett, A. H., and Estey, assignors.)
American Ozone Company. (See Daily, James M., assignor.)
American Signal Company. (See Ivey, J. W., and Owens, assignors.)
American Telephone and Telegraph Company. (See Anspach, Russell J., assignor.)
American Telephone and Telegraph Company. (See Blessing, Leonard M., assignor.)
American Telephone and Telegraph Company. (See Freeman, Albert E., assignor.)
American Telephone and Telegraph Company. (See Green, E. I., and Monk, assignors.)
American Telephone and Telegraph Company. (See Neiswinter, James T., assignor.)
American Telephone and Telegraph Company. (See Rhoads, Charles S., assignor.)
Ames, Raymond A. (See Winberg, T. W., and Ames.)
Anchor Hocking Glass Corporation. (See Stover, Harry E., assignor.)
Anderson, Evald, North Quincy, Mass. Dial damper regulator. 2,345,997; Apr. 4.
Anderson, Leslie J., and A. H. Kettler, Haddonfield, N. J., assignors to Radio Corporation of America. Signal translating apparatus. 2,345,996; Apr. 4.
Andis Clipper Company. (See Andis, Mathew, assignor.)
Andis, Mathew, assignor to Andis Clipper Company, Racine, Wis. Dry shaving device. 2,345,695; Apr. 4.
Anemostat Corporation of America. (See Kurth, F. J., and Honerkamp, assignors.)
Anspach, Russell J., Westfield, N. J., assignor to American Telephone and Telegraph Company. Teletypewriter switching system. 2,345,912; Apr. 4.
Apuzzo, Michael, Brooklyn, N. Y. Combination animated day and night sign. 2,345,998; Apr. 4.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle holder. 2,345,565; Apr. 4.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,345,566; Apr. 4.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle holder. 2,345,567; Apr. 4.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle holder. 2,345,568; Apr. 4.
Arnold, Hoffman & Co. Incorporated. (See Morgan, W. L., and Vaughn, assignors.)
Arnold, James C., assignor to Lane-Wells Company, Los Angeles, Calif. Conductor core for wire ropes and manufacture. 2,345,864; Apr. 4.
Atlantic Diesel Corporation. (See Godfrey, Edwin H., assignor.)
Atlantic Diesel Corporation. (See Johnson, Robert D., assignor.)
Atlas Powder Company. (See Carey, Claude H., assignor.)
Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube. 2,345,722; Apr. 4.
Atlee, Zed J., Elmhurst, and J. C. Filmer, Wheaton, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube. 2,345,723; Apr. 4.
Atwood, Seth B., Rockford, Ill. Making hinge members. 2,345,562; Apr. 4.
Attwood, Charles W., Wayne, Mich. Skeletonized structure. 2,345,650; Apr. 4.
Audino, Frank F., Corona, Long Island, N. Y. Shoe and outsole therefor. 2,345,551; Apr. 4.
Austin, Donald D. (See Mentley, M. B., and Austin.)
Automotive Maintenance Machinery Co. (See Fulmer, Charles A., assignor.)
Ayres, John A., et al., executors. (See Brooks, Lew W.)
Babcock, David L., assignor to Eastman Kodak Company, Rochester, N. Y. Control device for photographic cameras. 2,345,999; Apr. 4.
Bailie, James C. (See Heard, L., Shankland, and Bailie.)
Baker, Benjamin P., Turtle Creek, and H. L. Rawlins, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,345,724; Apr. 4.
Ballou, Charles O., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Cushioning means. 2,345,552; Apr. 4.
Bamford, Arthur P. (See Wickwire, A. M., Jr., and Bamford.)
Barber, Harry J., Gidea Park, Romford, assignor to May & Baker Limited, Dagenham, Essex, England. Stilbene derivatives. 2,346,000; Apr. 4.
Bardega, Joseph, Detroit, Mich. Vernier height gauge. 2,346,063; Apr. 4.
Barker, Luther V. (See Du Pont, F. G., and Barker.)
Barnes, Charles H. (See Brown, H. A., and Barnes.)
Barnes Drill Co. (See Caldwell, Harry J., assignor.)
Barry, Robert E. (See Talbot, Frank A., assignor.)
Bate, Edward G., Winnipeg, Manitoba, Canada. Animal pen. 2,346,001; Apr. 4.
Bell Telephone Laboratories, Incorporated. (See Ferrell, Enoch B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gould, King E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kuntz, Frank A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lang, W. Y., and Singer, assignors.)
Bell Telephone Laboratories, Incorporated. (See Miller, Charles G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mohr, Milton E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)
Bendix Aviation Corporation. (See Buxton, James E., assignor.)
Bendix Aviation Corporation. (See Jandasek, Joseph, assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)

Bennett, Alva H., Kenmore, and R. S. Estey, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Optical instrument and making same. 2,346,002; Apr. 4.

Benning, Anthony F., Woodstown, F. B. Downing, Penns Grove, N. J., and R. J. Plunkett, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Purification of hydrochloric acid. 2,345,696; Apr. 4.

Benstein, Meridyth H., et al. (See Lunney, Henry J., assignor.)

Berg, Louis B., assignor to Borg-Warner Corporation. Chicago, Ill. Centrifugal clamp. 2,345,786; Apr. 4.

Berman, Alex, Louisville, Ky. Aerial fence. 2,345,550; Apr. 4.

Berst-Forster-Dixfield Company. (See Montague, Stephen F., assignor.)

Bethlehem Steel Company. (See Jordan, Wilfred M., assignor.)

Bethlehem Steel Company. (See Kraner, Hobart M., assignor.)

Bettis, Irvin H., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Tool joint with double tapered socket. 2,345,725; Apr. 4.

Bibb, Carlisle H. (See Palmer, R. C., and Blbb.)

Bichowsky, Francis R., Detroit, Mich. Refrigeration. 2,345,651; Apr. 4.

Bierman, William A., Pittsburgh, and S. Simonson, Butler, Pa., assignors to O. C. Duryea Corporation, Wilmington, Del. Car construction. 2,345,652; Apr. 4.

Bigelow, Charles G. (See Fox, G., Callow, and Bigelow.)

Bishop, Charles B., Davenport, Iowa, assignor to Container Corporation of America, Chicago, Ill. Collapsible carton. 2,346,003; Apr. 4.

Bishop Publishing Company. (See Bishop, Robert B., assignor.)

Bishop, Robert B., Evanston, assignor to Bishop Publishing Company, Chicago, Ill. Two-way display standard. 2,345,913; Apr. 4.

Bitzer, Gottlob, Lincoln Park, assignor to Textile Machine Works, Wyomissing, Pa. Yarn carrier rod operating means for straight knitting machines. 2,345,914; Apr. 4.

Blaker, Cedric G., et al. (See James, N. R., and Talley, assignors.)

Blessing, Leonard M., Alexandria, Va., assignor to American Telephone and Telegraph Company. Telephone system. 2,345,959; Apr. 4.

Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Coagulating bath containing cation-active inhibitors. 2,345,570; Apr. 4.

Bliley Electric Company. (See Wolfskill, John M., assignor.)

Blumberg, Paul, assignor to Meili-Blumberg Corporation, New Holstein, Wis. Road marking device. 2,345,653; Apr. 4.

Bocanegra, John B., Chicago, Ill. Slug vending machine. 2,346,004; Apr. 4.

Bocjl Corporation. (See Gerin, Fernand L., assignor.)

Boosey, Lawrence N., Detroit, Mich. Flow control T. 2,345,787; Apr. 4.

Borg-Warner Corporation. (See Berg, Louis B., assignor.)

Bowman, Charles H., La Grange, Ill., assignor to Trojan Powder Company, Allentown, Pa. Explosive cartridge. 2,345,654; Apr. 4.

Boyce, Reginald D., Denham, assignor to T. J. Mackinnon, Richmond, England. Apparatus for cleaning oil. 2,345,697; Apr. 4.

Boynton, Alexander, San Antonio, Tex. Differential stage lift flow device. 2,345,865; Apr. 4.

Braley, William L., Springfield, Ohio, assignor to Oliver Farm Equipment Company. Vehicle or implement pole. 2,346,064; Apr. 4.

Brandenburg, Hellmuth R., Cowell, assignor to Idaho Maryland Mines Corporation, San Francisco, Calif. Producing magnesium sulphate from magnesium-bearing rocks. 2,345,655; Apr. 4.

Brasher, Laurence J., Topeka, Kans. Traction motor control mechanism. 2,345,788; Apr. 4.

Brentz, Harry W., Millstadt, Ill. Separator and gate therefor. 2,345,866; Apr. 4.

Bright, Elvin M., Whitefish Bay, assignor to Plastic Veneering, Inc., Milwaukee, Wis. Process and apparatus for curing plastic coatings. 2,346,101; Apr. 4.

Briod, André E., Short Hills, and L. O. Buxton, Newark, assignors to National Oil Products Company, Harrison, N. J. Vitamin fortification. 2,345,571; Apr. 4.

Bromley, Thomas C., and A. Shortland, Leicester, England. Circular knitting machine. 2,345,698; Apr. 4.

Brooks, E. J., Company. (See Moberg, Sigurd M., assignor.)

Brooks Equipment and Mfg. Co. (See Brooks, Lew W., assignor.)

Brooks, Ernest N., et al., executors. (See Brooks, Lew W.)

Brooks, Lew W., deceased, by E. N. Brooks, K. Martin, and J. A. Ayres, executors, assignors to Brooks Equipment and Mfg. Co., Knoxville, Tenn. Jacklike support for loading, hauling, and dumping apparatus. 2,345,789; Apr. 4.

Brooks, Lew W., deceased, by E. N. Brooks, K. Martin, and J. A. Ayres, executors, assignors to Brooks Equipment and Mfg. Co., Knoxville, Tenn. Bucket or receptacle for loading, hauling, and dumping apparatus. 2,345,790; Apr. 4.

Broom, Harry P. (See Houdry, E. J., and Broom.)

Brosius, Edgar E., Pittsburgh, Pa. Manipulator. 2,345,572; Apr. 4.

Brown and Sharpe Manufacturing Company. (See Rich, C. A., and Twamley, assignors.)

Brown, Harold A., New Haven, and C. H. Barnes, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Firearm sight. 2,345,553; Apr. 4.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Preparing β-norborneol and its ether. 2,345,573; Apr. 4.

Bryson, Tandy A., Troy, N. Y. Vortex separator. 2,346,005; Apr. 4.

Bucyrus Erie Company. (See Mork, George W., assignor.)

Bull, Kenneth D., Oak Tree, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Preselecting mechanism. 2,345,726; Apr. 4.

Burch, Frederick R., Seattle, Wash. Fishing tool. 2,345,727; Apr. 4.

Burdett, Philip H., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Material blending. 2,345,554; Apr. 4.

Burdett, Philip H., Bridgeport, and G. M. Calhoun, Fairfield, Conn., assignors to Remington Arms Company, Inc. Ammunition priming composition. 2,345,868; Apr. 4.

Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Polymerizing unsaturated hydrocarbons. 2,345,574; Apr. 4.

Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Preparing gasoline of low gum-forming tendency. 2,345,575; Apr. 4.

Burt, Henry C., Laingsburg, Mich. Surveying instrument. 2,346,006; Apr. 4.

Bush, Clay. (See Henricks, Raymond A., assignor.)

Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,345,791; Apr. 4.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Refining and stabilization of vitamin-containing materials. 2,345,961; Apr. 4.

Buxton, Loran O. (See Briod, A. E., and Buxton.)

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Stabilization of oxidizable substances. 2,345,576; Apr. 4.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Refining fatty materials. 2,345,577; Apr. 4.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Stabilization of oxidizable organic materials. 2,345,578; Apr. 4.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Stabilization of motor fuels. 2,345,579; Apr. 4.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Stabilization of mineral oils. 2,345,580; Apr. 4.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Refining and stabilizing fat-soluble vitamin-bearing materials. 2,345,960; Apr. 4.

Byrnes, Clarence P. (See James, Joseph H., assignor.)

Calhoun, Gordon M. (See Burdett, P. H., and Calhoun.)

Caldwell, Harry J., assignor to Barnes Drill Co., Rockford, Ill. Machine tool. 2,345,581; Apr. 4.

Calleson, Amos and E. A., Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Method of and apparatus for delivering sheet material to presses or the like. 2,345,656; Apr. 4.

Calleson, Edgar A. (See Calleson, Amos and E. A.)

Callow, Olaf C. (See Fox, G., Callow, and Bigelow.)

Camp, John M., Tulsa, Okla., assignor to Standard Oil Development Company. Retractable core head. 2,345,699; Apr. 4.

Cann, Harry E., West Chester, Pa. Cabinet for housing auxiliary electrical equipment. 2,345,792; Apr. 4.

Cannon, George E. (See Moore, T. V., and Cannon.)

Carbide and Carbon Chemicals Corporation. (See Downes, Alfred W., assignor.)

Carbide and Carbon Chemicals Corporation. (See Downes, A. W., and Kernan, assignors.)

Carey, Claude H., assignor to Atlas Powder Company, Wilmington, Del. Explosive composition. 2,345,582;

Carloni, Joseph F., Harrisburg, Pa. Automobile recorder. 2,345,657; Apr. 4.

Carlson, Bert G., Erieside, assignor to Jack & Heintz, Inc., Bedford, Ohio. Directional gyro instrument. 2,345,915; Apr. 4.

Carroll, Burt H. (See Weissberger, A., and Carroll.)

Carroll, Burt H., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Production of neutral tones in photographic emulsions. 2,346,065; Apr. 4.

Carter Carburetor Corporation. (See Ericson, G. R., and Markham, assignors.)

Cast Stone Institute. (See Weber, Jacob, assignor.)

Celanese Corporation of America. (See Dreyfus, Henry, assignor.)

Celomat Corp. (See Weil, Herbert, Jr., assignor.)

Chamberlin Metal Weather Strip Company. (See Glaser, J. P., and Willett, assignors.)

Chambersburg Engineering Company. (See Alcorn, Robert L., Jr., assignor.)

Chaney, Newcomb K., Moylan, Pa., assignor to The United Gas Improvement Company. Coated object and making the same. 2,345,583; Apr. 4.

Chapel, Wilbur R., Barrington, Ill. File folder envelope. 2,345,793; Apr. 4.

Chase Brass & Copper Co. (See Hallberg, August W., assignor.)

Chevigny, Georges P., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge tube structure. 2,345,794; Apr. 4.

Chicago Carton Company. (See Smith, Milton A., assignor.)

Chiles, John H., Jr., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic short circuiting device. 2,345,584; Apr. 4.

Chillson, Charles W., Packanack Lake, N. J., assignor to Curtiss-Wright Corporation. Propeller reversing pitch control. 2,346,007; Apr. 4.

Ciba Pharmaceutical Products Incorporated. (See Hoffmann, K., and Panizzon, assignors.)

Clark, Halford R., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of paper for photographic purposes. 2,346,008; Apr. 4.

Clark, John M., assignor to Packard Motor Car Company, Detroit, Mich. Hydraulic fluid. 2,345,586; Apr. 4.

Clark, John M., and R. E. Van Deventer, assignors to Packard Motor Car Company, Detroit, Mich. Hydraulic fluid. 2,345,585; Apr. 4.

Clark, Willard F., Oak Park, and B. Jelinek, La Grange, assignors to Monarch Tool & Machinery Co., Chicago, Ill. Cap for gasoline tank filler pipe. 2,345,916; Apr. 4.

Claus, William P., and G. S. Hill, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Wheel handling tilt table. 2,345,728; Apr. 4.

Claus, William P., and G. S. Hill, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Wheel receiving carriage. 2,345,729; Apr. 4.

Cline, Edwin L., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Producing resin of the coumarone indene type. 2,345,962; Apr. 4.

Coffman, Raphael T., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Injection molding of plastics. 2,345,917; Apr. 4.

Cole, Harold S., Seaford, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn winding. 2,345,587; Apr. 4.

Collyer, William C., Palo Alto, Calif., assignor to Ingersoll-Rand Company, New York, N. Y. Attachment for pile driver. 2,345,795; Apr. 4.

Colton, Arthur, Company. (See Kath, Alfred W., assignor.)

Commerce, Government of the United States, as represented for the purpose hereof by the Secretary of. (See Mothershead, Raymond E., assignor.)

Commercial Solvents Corporation. (See Wampner, Herbert L., assignor.)

Conde, Lyall T., Sherrill, N. Y. Condenser cup. 2,345,963; Apr. 4.

Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Electric treadle. 2,346,009; Apr. 4.

Conner, Quinten E., San Francisco, Calif. Motorized shaver. 2,345,796; Apr. 4.

Conrad, Joshua C., Oklahoma City, Okla. Overload and radius indicator for cranes. 2,346,066; Apr. 4.

Container Corporation of America. (See Bishop, Charles B., assignor.)

Continental Aviation & Engineering Corporation. (See Kinnucan, James W., assignor.)

Continental Can Company. (See Harrison, William H., assignor.)

Continental Can Company. (See Pearson, Paul E., assignor.)

Copeman Laboratories Company. (See Jennings, Harley Y., assignor.)

Corson, Charles A., Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Compressor system. 2,345,797; Apr. 4.

Covert, Alfred D. (See Hartsell, C. L., and Covert.)

Cowey, Leonard E., Kew Gardens, England. Aircraft landing gear. 2,346,010; Apr. 4.

Cox, Elmer T., Powell Station, Tenn. Cleaning pad. 2,345,730; Apr. 4.

Coyle, William E., Shreveport, La. Fruit juice extractor. 2,345,731; Apr. 4.

Crompton & Knowles Loom Works. (See Ladden, John J., assignor.)

Crouse-Hinds Company. (See Lester, Ray F., assignor.)

Crown Cork & Seal Company. (See Calleson, Amos and E. A., assignors.)

Crown Fastener Corporation. (See Plumley, Richard G., assignor.)

Crown Manufacturing Co. (See May, Robert M., assignor.)

Curtiss-Wright Corporation. (See Chillson, Charles W., assignor.)

Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Making shroud structure. 2,345,918; Apr. 4.

Daily, James M., Merchantville, N. J., assignor to American Ozone Company, Chicago, Ill. Ozone generator. 2,345,798; Apr. 4.

Damm, Helmut, Duesseldorf, Germany, assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Cultivation of fat-forming molds. 2,346,011; Apr. 4.

Danforth, Joseph D., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,346,012; Apr. 4.

Daniels, Leslie E. (See Daniels, Wesley A., W. A., Jr., and L. E.)

Daniels, Wesley A., Jr. (See Daniels, Wesley A., Jr., and L. E.)

Daniels, Wesley A., W. A., Jr., and L. E., Chaumont, N. Y. Drop wire tie. 2,345,890; Apr. 4.

Davies, John M., Akron, and H. A. Schultz, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Measuring apparatus. 2,345,732; Apr. 4.

Davis, Richard E., Wauwatosa, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive. 2,345,919; Apr. 4.

Day, Percy C., Brookfield, assignor to The Falk Corporation, Milwaukee, Wis. Geared power transmission. 2,345,733; Apr. 4.

Dean, Russell G., Los Angeles, Calif. Compressor for piston rings and the like. 2,345,555; Apr. 4.

De Florez, Luis, Pomfret, Conn., and J. W. Gray, Lambertville, assignors to Gasoline Products Company, Inc., Jersey City, N. J. Cracking hydrocarbon oils. 2,345,558; Apr. 4.

Delaware Engineering Corporation. (See Simpson, George L., assignor.)

De Luxe Products Corporation, The. (See Flint, Charles R., assignor.)

De Simó, Martin, Piedmont, and J. J. O'Connor, Oakland, assignors to Shell Development Company, San Francisco, Calif. Unsaturated mercaptans. 2,346,102; Apr. 4.

Dew, Walter A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bullet lubrication. 2,346,124; Apr. 4.

Diamond Power Specialty Corporation. (See Howse, C. L., and Fitzburgh, assignors.)

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,346,013; Apr. 4.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Self-emulsifying phosphated and phosphited oils as antistatic lubricants. 2,345,734; Apr. 4.

Dickson, Dick. (See Manchan, Louis, assignor.)

Di Rubbio, Antonio, Brooklyn, N. Y. Cigarette holder. 2,346,067; Apr. 4.

Discher, Edward W., Milwaukee, Wis. Bowling ball return runway. 2,345,964; Apr. 4.

Ditto, Incorporated. (See Neal, Morris P., assignor.)

Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Oil seal. 2,345,588; Apr. 4.

Dodson, Carroll E., Kansas City, Mo., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ice freezing tray. 2,345,799; Apr. 4.

Doerr, Norman A., Washington, D. C. Detachable ornament or insigne. 2,345,556; Apr. 4.

Doughman, Ferman C., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Humidifier. 2,345,658; Apr. 4.

Douglas, James K., Sherwood, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive. 2,345,920; Apr. 4.

Douglas, Roy R. (See Robertson, M. M., and Douglas.)

Douma, Tjiske, Eindhoven, Netherlands; vested in the Alien Property Custodian. Aerial system. 2,345,735; Apr. 4.

Dow Chemical Company, The. (See Reilly, John H., assignor.)

Downes, Alfred W., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Polymerizing vinyl chloride. 2,345,659; Apr. 4.

Downes, Alfred W., South Charleston, and J. R. Kernan, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Polymerizing vinyl compounds. 2,345,660; Apr. 4.

Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Fluid pump. 2,346,014; Apr. 4.

Downing, Frederick B. (See Benning, A. F., Downing, and Plunkett.)

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Production and/or treatment of polymers. 2,345,700; Apr. 4.

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Production of halo-nitroalkanes. 2,345,701; Apr. 4.

Droll, J. W., Company. (See Kibitz, Harold, assignor.)

Dunlop Rubber Company Limited. (See Taylor, S. D., and Pounder, assignors.)

Dupler, Raymond R., Toledo, Ohio. Illuminated globe mounting. 2,345,800; Apr. 4.

Du Pone, E. I., de Nemours & Company. (See Coffman, Raphael T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cole, Harold S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dew, Walter A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Harmon, Jesse, assignor.)
Du Pont, E. I., de Nemours & Company. (See Hickes, Willis F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Keats, John L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Leary, Richard E., assignor.)
Du Pont, E. I., de Nemours & Company. (See McKinney, R. M., and Stark, assignors.)
Du Pont, E. I., de Nemours & Company. (See Overbaugh, Sidney C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reynolds, Richard W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sawyer, Roscoe H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stark, H. M., and Keats, assignors.)
Du Pont, Francis G., and L. V. Barker, Denver, Colo., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Gauging device. 2,345,867; Apr. 4.
Duryea, O. C., Corporation. (See Bierman, W. A., and Simonson, assignors.)
Eastman Kodak Company. (See Altman, Fred E., assignor.)
Eastman Kodak Company. (See Babcock, David L., assignor.)
Eastman Kodak Company. (See Carroll, B. H., and Staud, assignors.)
Eastman Kodak Company. (See Clark, Halford R., assignor.)
Eastman Kodak Company. (See Dickey, Joseph B., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Fuller, Albert B., assignor.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Miller, Howard A., assignor.)
Eastman Kodak Company. (See Nadeau, G. F., and Miller, assignors.)
Eastman Kodak Company. (See Porter, H. D., Weissberger, and Vittum, assignors.)
Eastman Kodak Company. See Schade, W., and Tolle, assignors.)
Eastman Kodak Company. See Staehle, Henry C., assignor.)
Eastman Kodak Company. See Weissberger, A., and Carroll, assignors.)
Eastman Oil Well Survey Company, et al. (See Miller, Leonidas C., assignor.)
Eastman Oil Well Survey Company, et al. (See Opocensky, Willard J., assignor.)
Eastman Oil Well Survey Company, et al. (See Park, Stafford, assignor.)
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Throttle controlling mechanism. 2,346,015; Apr. 4.
Edelmann, Leo, Chicago, Ill. Thermohydrometer. 2,345,921; Apr. 4.
Edwards, William C., assignor to A. L. Rockett, Los Angeles, Calif. Apparatus for exhibiting motion picture film. 2,345,869; Apr. 4.
Elane, Halvor O., Washington Island, Wis. Automatic gun mechanism. 2,345,736; Apr. 4.
Electrolux Corporation. See Doughman, Ferman C., assignor.)
Elliott, Harmon P., Watertown, Mass. Apparatus for forming characters on stencils. 2,345,557; Apr. 4.
Elliott, Harmon P., Watertown, Mass. Machine for and applying indicating tabs to address-printing devices. 2,345,965; Apr. 4.
Engelhardt, Carl F., Yeadon, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,345,589; Apr. 4.
Enoz Chemical Company, The. (See Rich, Hyman R., assignor.)
Ericson, George R., Maplewood, Mo., and C. E. Markham, East St. Louis, Ill., assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,346,016; Apr. 4.
Errath, Edward O., assignor to The Heil Co., Milwaukee, Wis. Refrigerating system. 2,346,017; Apr. 4.
Estey, Roger S. (See Bennett, A. H., and Estey.)
Eureka Vacuum Cleaner Company. (See Oaks, William B., assignor.)
Evans, Robert D., Swissvale, R. E. Marbury, and A. C. Monteith, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stability with quickly restored protected series capacitors. 2,345,590; Apr. 4.
Evans, Robert D., Swissvale, and A. C. Monteith, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable series capacitor for stability. 2,345,922; Apr. 4.
Evans, Robert D., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Series-capacitor control to avoid hunting. 2,345,923; Apr. 4.
Evans, Robert D., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Series-capacitor single-pole switching. 2,345,924; Apr. 4.
Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Green hay harvester. 2,346,103; Apr. 4.
Fabart Instrument Company. (See Fabrice, Edward H., assignor.)
Fabrice, Edward H., assignor to Fabart Instrument Company, Chicago, Ill. Dispensing receptacle. 2,345,737; Apr. 4.
Fairbanks, Morse & Co. (See Vogel, Edward A., assignor.)
Fairlie, Andrew M., Atlanta, Ga. Water-cooled lead chamber. 2,345,661; Apr. 4.
Falk Corporation, The. (See Day, Percy C., assignor.)
Farmer, James W. (See Jones, J. L., and Farmer.)
Farnsworth Television and Radio Corporation. (See Hallmark, Clyde E., assignor.)
Farnsworth Television and Radio Corporation. (See Pressley, Jackson H., assignor.)
Faucett, Cecil C., Philadelphia, Pa., assignor to the United States of America, as represented by the Secretary of War. Connection for elements of a rotatable unit. 2,345,910; Apr. 4.
Federal Telephone and Radio Corporation. See Van Sant, Victor H., assignor.)
Ferrel, Clyde B., San Francisco, Calif. Day and night sight for firearms. 2,345,801; Apr. 4.
Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse-counting circuit. 2,345,925; Apr. 4.
Fibreboard Products Inc. (See Goodyear, Charles H., assignor.)
Fiedler, Edmond F., Adams, and G. D. Holmberg, Pittsfield, Mass., assignors to General Electric Company. Production of resins from furane derivatives. 2,345,966; Apr. 4.
Fields, Frank D., and G. D. Wood, assignors to Posture Research Corporation, Elkhart, Ind. Back rest for chairs. 2,345,926; Apr. 4.
Field, Walter P., Brockton, Mass. Shoe. 2,345,738; Apr. 4.
Filmer, James C. (See Atlee, Z. J., and Filmer.)
Fisher, Gordon H., Dewey, Okla., assignor to Phillips Petroleum Company. Coring apparatus. 2,345,739; Apr. 4.
Fitzburgh, William J. (See Howse, C. L., and Fitzburgh.)
Flint, Charles R., assignor to The De Luxe Products Corporation, La Porte, Ind. Internal combustion engine. 2,345,569; Apr. 4.
Fogle, Clayton G., Williamsport, Pa. Gun turret. 2,345,740; Apr. 4.
Food Machinery Corporation. (See Reed, Russell H., assignor.)
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Material-handling apparatus. 2,346,068; Apr. 4.
Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Valve construction. 2,346,069; Apr. 4.
Foster, Henry. See Harriman, W. R., and Foster.)
Foster, Robert B., Los Angeles, Calif., assignor to J. B. Smiley, New York, N. Y. Volume control apparatus for radio receivers. 2,345,927; Apr. 4.
Foster, Robert B., Los Angeles, Calif., assignor to J. B. Smiley, New York, N. Y. Control mechanism. 2,345,928; Apr. 4.
Foulke, George R., Jr., Winnabow, N. C. Tractor cultivator. 2,345,741; Apr. 4.
Fox, Gordon, O. C. Callow, and C. G. Bigelow, assignors to Freyn Engineering Company, Chicago, Ill. Skip hoist. 2,345,662; Apr. 4.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Primer. 2,345,663; Apr. 4.
Fraser Furnace Company. (See Fraser, Richard E., assignor.)
Fraser, Richard E., assignor to Fraser Furnace Company, Stockton, Calif. Air heating furnace. 2,345,559; Apr. 4.
Frederick, Jean R., Emporium, Pa. Micrometer master gauge. 2,345,591; Apr. 4.
Freeman, Albert E., South Orange, N. J., assignor to American Telephone and Telegraph Company. Conductor laying machine. 2,345,929; Apr. 4.
Fregeolle, Oscar, Central Falls, and I. H. C. Green, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitting machine and method. 2,345,664; Apr. 4.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Gasoline manufacture. 2,345,802; Apr. 4.

Freyn Engineering Company. (See Fox, G., Callow, and Bigelow, assignors.)
Friedman, Helen D. (See Friedman, Mischa, assignor.)
Friedman, Mischa, assignor to H. D. Friedman, Los Angeles, Calif. Baby cover. 2,345,592; Apr. 4.
Frost, Marvin D. (See Spurlino, P., Goodbar, and Frost.)
Fuller, Albert B., assignor to Eastman Kodak Company, Rochester, N. Y. Film advancing assembly. 2,346,070; Apr. 4.
Fulmer, Charles A., Waukegan, assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Cylinder grinding tool. 2,345,930; Apr. 4.
Fulton, Katherine C., executrix. (See Fulton, Luther D.)
Fulton, Luther D., deceased, by K. C. Fulton, Titusville, executrix, assignor of one-half to Hammond Iron Works, Warren, Pa. Oil filter. 2,346,018; Apr. 4.
Garand, John C., Springfield, Mass. Clip loading machine. 2,345,593; Apr. 4.
Gardner, Clair C., Rockford, Ill. Automatic window sash operating mechanism. 2,345,594; Apr. 4.
Gardner, Robert H., Munster, Ind., assignor to Sinclair Refining Company, New York, N. Y. Process. 2,345,742; Apr. 4.
Garland, W. L. (See Robertson, M. M., and Douglas, assignors.)
Gasoline Products Company. (See de Florez, L., and Gray, assignors.)
Gaston, Donald H., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Refrigerator gasket. 2,345,743; Apr. 4.
Gatchell, Eugene J. (Se Lerch, W. B., Mathis, and Gatchell.)
Gates, Major E., Crystal Lake, Ill. Controlling apparatus. 2,345,931; Apr. 4.
Gemberling, Cameron H., South Bend, Ind., assignor to Oliver Farm Equipment Company. Disk harrow. 2,345,803; Apr. 4.
Gemberling, Cameron H., and R. J. Altgelt, South Bend, Ind., assignors to Oliver Farm Equipment Company. Fertilizer attachment. 2,345,804; Apr. 4.
General Chemical Company. (See Neumark, Hans R., assignor.)
General Electric Company. (See Allen, Wayne H., assignor.)
General Electric Company. (See Fiedler, E. F., and Holmberg, assignors.)
General Electric Company. (See Jewell, Richard G., assignor.)
General Electric Company. (See Pellett, Fred G., assignor.)
General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)
General Electric X-Ray Corporation. (See Atlee, Z. J., and Filmer, assignors.)
General Motors Corporation. (See Dodson, Carroll E., assignor.)
General Timber Service, Inc. (See MacKenzie, Neal T., assignor.)
General Tire & Rubber Company. (See Dodge, Howard M., assignor.)
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic ticket distributing system. 2,345,967; Apr. 4.
Gerich, Valentine, New York, N. Y. Ever-ready air jacket. 2,346,019; Apr. 4.
Gerin, Fernand L., Sandusky, Ohio, assignor to Bocji Corporation, Pittsburgh, Pa. Apparatus for oil purification. 2,345,595; Apr. 4.
Gibson, Anna, et al., executors. (See Gibson, George H.)
Gibson, George, et al., executors. (See Gibson, George H.)
Gibson, George H., deceased, Montclair, N. J.; A. and G. Gibson, executors. Variable speed electrical drive. 2,345,805; Apr. 4.
Gillespie, Charles N., Jr., Brooklyn, N. Y., assignor to Radio Corporation of America. Modulation amplifier and modulator. 2,346,020; Apr. 4.
Glaser, Joseph P., and L. E. Willett, assignors to Chamberlin Metal Weather Strip Company, Detroit, Mich. Weatherstrip groove adjuster and sash retainer. 2,345,806; Apr. 4.
Glenny, Arthur P., Amberley, assignor to The Sperry Gyroscope Company, Limited, Brentford, England. Apparatus for training bomb aimers. 2,345,744; Apr. 4.
Globe Hoist Company. (See Thompson, Elmer B., assignor.)
Goat, Fred, Co., The. (See Wickwire, A. M., Jr., and Bamford, assignors.)
Godfrey, Edwin H., Wenonah, N. J., assignor to Atlantic Diesel Corporation. Internal combustion engine. 2,346,021; Apr. 4.
Goebel, Joseph P., Detroit, Mich. Locomotive cab window. 2,345,703; Apr. 4.
Gold, Benjamin, New York, N. Y. Mimeographer. 2,346,023; Apr. 4.
Goldbert, Max L., New York, N. Y. Garment support. 2,345,745; Apr. 4.
Goldner, Richard, Sydney, New South Wales, Australia. Sliding clasp fastener. 2,346,024; Apr. 4.
Gonla, Henry W., Buena Park, Calif. Spark arrester. 2,346,022; Apr. 4.
Gonzalez, Vicente M., and J. A. Morales, Habana, Cuba. Toilet flushing mechanism. 2,345,807; Apr. 4.
Goodbar, Mayo A. (See Spurlino, P., Goodbar, and Frost.)
Goodhue, Lyle D. (See Sullivan, W. N., and Goodhue.)
Goodrich, B. F., Company, The. (See Davies, J. M., and Schultz, assignors.)
Goodrich, B. F., Company, The. (See Mayne, Robert, assignor.)
Goodyear, Charles H., Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Bottle carrier. 2,345,746; Apr. 4.
Goss Printing Press Company, The. (See Holsinger, Chester, assignor.)
Gould, King E., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring apparatus. 2,345,932; Apr. 4.
Goulooze, Martin J., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,345,665; Apr. 4.
Gray, James W. (See de Florez, L., and Gray.)
Green, Estill I., Millburn, N. J., and N. Monk, Darien, Conn., assignors to American Teelphone and Telegraph Company. Phase control in electrical transmission. 2,345,933; Apr. 4.
Green, Henry, assignor to Interchemical Corporation, New York, N. Y. Method of and apparatus for measuring flow characteristics in liquids. 2,345,968; Apr. 4.
Green, Isaac H. C., Central Falls, and E. St. Pierre, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Stocking top and knitting. 2,345,666; Apr. 4.
Green, Isaac H. C. (See Fregeolle, O., and Green.)
Green, Samuel G., Gray, Ga. Barrel mounting. 2,345,596; Apr. 4.
Green, Thomas D., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Cooling nozzle for hollow glassware. 2,345,808; Apr. 4.
Gregory, Caradoc M. (See Huthsing, L. B., and Gregory.)
Gregory, Lon S., Tulsa, Okla. Gasoline plant. 2,345,934; Apr. 4.
Greenberg, Samuel, Chicago, Ill. Gas tank lock. 2,345,809; Apr. 4.
Gruenberg, Raoul J., San Francisco, and E. L. Stern, Pasadena, Calif. Folding box. 2,345,810; Apr. 4.
Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 2,346,071; Apr. 4.
Guenther, Henry L., Los Angeles, Calif. Variable speed can feed. 2,345,870; Apr. 4.
Gunter, Addison Y., Larchmont, assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,346,104; Apr. 4.
Günther, Philipp. (See John, W., and Günther.)
Guszmann, Francisco, Buenos Aires, Argentina. Collapsible egg carrier. 2,346,025; Apr. 4.
Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Contacting apparatus. 2,345,667; Apr. 4.
Haehnel, Herbert E., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Control device for ringless yarn carrier attachment. 2,346,105; Apr. 4.
Hake, Albert C., assignor to the Glenn L. Martin Company, Baltimore, Md. Gun mount. 2,345,747; Apr. 4.
Hallberg, August W., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Tube-expanding and thread-rolling apparatus. 2,345,871; Apr. 4.
Halley, Herschell O., and R. B. Thompson, Belton, Mo. Seed gathering attachment for farm implements. 2,345,969; Apr. 4.
Hallmark, Clyde E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Impulse generator. 2,345,668; Apr. 4.
Hamel, George W., Grand Rapids, Mich. Seat. 2,345,970; Apr. 4.
Hamilton, Bertis F., E. F., W. S., and C. O., Columbus, Ind. Holder for sifter-top cans. 2,345,971; Apr. 4.
Hamilton, Clarence O. (See Hamilton, Bertis F., E. F., W. S., and C. O.)
Hamilton, Earl F. (See Hamilton, Bertis F., E. F., W. S., and C. O.)
Hamilton, William S. (See Hamilton, Bertis F., E. F., W. S., and C. O.)
Hammond Iron Works. (See Fulton, Luther D., assignor.)
Hannigan, Maurice A., assignor of one-half to P. W. Otto, Springfield, Mass. Cigarette package. 2,346,106; Apr. 4.
Hardy, John L., Birmingham, England, assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Motor vehicle. 2,345,972; Apr. 4.
Harman, Gerald J., and H. C. Kleppe, Los Angeles, Calif.; said Kleppe assignor to said Harman. Apparatus for loading and transporting barrels and dispensing liquids therefrom. 2,345,669; Apr. 4.
Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phenol-rubber containing composition. 2,345,597; Apr. 4.
Harp, Dallas S., assignor to Wingfoot Corporation, Akron, Ohio. Hydraulic brake automatic adjuster. 2,345,811; Apr. 4.
Harriman, William R., and H. Foster, Hondo, Calif. Nozzle. 2,345,812; Apr. 4.
Harriman, William R., Hondo, Calif. Nozzle. 2,345,813; Apr. 4.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,345,973; Apr. 4.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,345,974; Apr. 4.

Harrison, William H., Wilmette, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Producing and storing sauerkraut. 2,345,814; Apr. 4.

Harroun, Byron A., Henderson, Tex. Oil saver and rod stripper. 2,345,815; Apr. 4.

Hart, Merida L., Chickasha, Okla., assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug device. 2,345,872; Apr. 4.

Hart, Merida L., Chickasha, Okla., assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug. 2,345,873; Apr. 4.

Hartford-Empire Company. (See Green, Thomas D., assignor.)

Hartsell, Claude L., and A. D. Covert, Detroit, Mich. Luting composition. 2,345,598; Apr. 4.

Harvey, Edward W. (See Haskell, S. B., and Harvey.)

Haskell, Sidney B., Larchmont, N. Y., and E. W. Harvey, Highland Park, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of silage. 2,346,072; Apr. 4.

Hassler, Gerald L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for permeability measurements. 2,345,935; Apr. 4.

Hayes, Clyde B., Saratoga Springs, assignor to Van Raalte Company, Inc., New York, N. Y. Stop means for textile machines. 2,345,599; Apr. 4.

Hays, Russell R., Lawrence, Kans. Hydraulic drilling apparatus. 2,345,816; Apr. 4.

Heard, Llewellyn, Hammon, Ind., R. V. Shankland, and J. C. Bailie, assignors to Standard Oil Company, Chicago, Ill. Alumina gel catalysis. 2,345,600; Apr. 4.

Health, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically forming tubular shape. 2,345,670; Apr. 4.

Heffner, William B., Hillside, N. J., and W. Willenbruch, Lynbrook, assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical connector. 2,345,671; Apr. 4.

Heil Co., The. (See Errath, Edward O., assignor.)

Helbush, Herman H., Los Angeles, and E. L. Lipp, Glendale, Calif., assignor, by mesne assignments, to said Helbush. Clamp device. 2,345,817; Apr. 4.

Hemphill Company. (See Fregeolle, O., and Green, assignors.)

Hemphill Company. (See Green, I. H. C., and St. Pierre, assignors.)

Henecka, Hans. (See Salzer, W., and Henecka.)

Henricks, Raymond A., assignor of thirty-five per cent to C. Bush, Indianapolis, Ind. Deep well pump jack. 2,346,026; Apr. 4.

Hercules Powder Company. (See Moore, Malcolm C., assignor.)

Hercules Powder Company. (See Rothrock, John E., assignor.)

Herman, Kenneth R., assignor to Vickers Incorporated, Detroit, Mich. Power transmission pump or motor. 2,345,975; Apr. 4.

Hickes, Willis F., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn winding. 2,345,601; Apr. 4.

Higgens, Beulah, et al. (See Lunney, Henry J., assignor.)

Hill, George S. (See Claus, W. P., and Hill.)

Hillberg, Bror, assignor to Superior Concrete Accessories, Chicago, Ill. Screed chair. 2,345,976; Apr. 4.

Hilpman, John H., Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 2,345,748; Apr. 4.

Hoffmann, Karl, and L. Panizzon, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Manufacture of aryl-alicyclic fatty acid esters. 2,346,027; Apr. 4.

Hoffman-La Roche, Inc. (See Solmssen, Ulrich V., assignor.)

Hohwart, George, Orchard Lake, assignor to N. A. Woodworth Company, Ferndale, Mich. Gauge handle. 2,345,749; Apr. 4.

Hohwart, George, Orchard Lake, assignor to N. A. Woodworth Company, Ferndale, Mich. Gauge. 2,345,750; Apr. 4.

Holder, Andrew J., Elgin, Tex. Ground breaking attachment for lister plows. 2,346,073; Apr. 4.

Holman, Arthur J., East Orange, N. J. Apparatus for television pickup from film. 2,345,602; Apr. 4.

Holmberg, Gustave D. (See Fiedler, E. F., and Holmberg.)

Holsinger, Chester, assignor to The Goss Printing Press Company, Chicago, Ill. Mechanism for treating freshly printed webs. 2,345,874; Apr. 4.

Homeyer, August H. (See Wallingford, V. H., and Homeyer.)

Honerkamp, Friedrich. (See Kurth, F. J., and Honerkamp.)

Hooper, Duke W., et al. (See Lunney, Henry J., assignor.)

Hooper, Paul R., et al. (See Lunney, Henry J., assignor.)

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Film handling apparatus. 2,346,074; Apr. 4.

Houdry, Eugene J., Ardmore, and H. P. Broom, Haverford Township, Montgomery County, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Residual hydrocarbon treatment. 2,345,603; Apr. 4.

Houdry Process Corporation. (See Houdry, E. J., and Broom, assignors.)

Howald, Arthur M., and L. S. Meyer, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Molding hollow bodies. 2,345,977; Apr. 4.

Howse, Curtis L., Birmingham, and W. J. Fitzburgh, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Fluid heater cleaner. 2,345,672; Apr. 4.

Hughes, Everett C. (See Burk, R. E., and Hughes.)

Hughes Tool Company. (See Bettis, Irvin H., assignor.)

Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package. 2,345,978; Apr. 4.

Huthsing, Leo B., and C. M. Gregory, assignors to Machinery Manufacturing Co., Los Angeles, Calif. Variable speed belt drive. 2,346,028; Apr. 4.

Idaho Maryland Mines Corporation. (See Brandenburg, Hellmuth R., assignor.)

Imperial Brass Manufacturing Company, The. (See Franck, George E., assignor.)

Industrial Rayon Corporation. (See Mothwurf, Arthur F. F., assignor.)

Ingersoll-Rand Company. (See Collyer, William C., assignor.)

Ingersoll-Rand Company. (See Corson, Charles A., assignor.)

Interchemical Corporation. (See Green, Henry, assignor.)

International Mutoscope Reel Co. Inc. (See Kelley, Russell R., assignor.)

International Standard Electric Corporation. (See Chevigny, Georges P., assignor.)

Institutum Divi Thomae Foundation, The. (See Sperti, George S., assignor.)

Ipatieff, Vladimir N., assignor to Universal Oil Products Company, Chicago, Ill. Production of diolefinic hydrocarbons. 2,345,751; Apr. 4.

Ivey, Jack W., and W. D. Owens, assignors to American Signal Company, Albany, Ga. Signaling system. 2,345,979; Apr. 4.

Jack & Heintz, Inc. (See Carlson, Bert G., assignor.)

Jackson, Robert G., Hopatcong, N. J. Gripping device. 2,345,604; Apr. 4.

James, Harriet M., et al. (See James, N. R., and Talley, assignors.)

James, Joseph H., assignor to C. P. Byrnes, Pittsburgh, Pa. Nucleated hydrocarbons and synthesizing them. 2,345,704; Apr. 4.

James, Norman R., Twickenham, and H. A. Talley, Stanmore, assignors of one-fourth to C. G. Blaker, North Finchley, and one-fourth to H. M. James, Twickenham, England. Apparatus for regional analgesia. 2,345,875; Apr. 4.

Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Turbo transmission. 2,345,752; Apr. 4.

Jasco, Incorporated. (See Turner, Luther B., assignor.)

Jelinek, Benjamin. (See Clark, W. F., and Jelinek.)

Jennings, Harley Y., assignor to Copeman Laboratories Company, Flint, Mich. Plant watering apparatus. 2,346,029; Apr. 4.

Jerabek, Theophil E. (See Lincoln, J. F., and Jerabek.)

Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Telemetering receiver. 2,345,936; Apr. 4.

Joa, Curt G., assignor to C. G. Joa, Inc., Sheboygan Falls, Wis. Feed for woodworking machines. 2,345,937; Apr. 4.

Joa, Curt G., Inc. (See Joa, Curt G., assignor.)

John, Walter, Gottingen, and P. Günther, Kassel, Germany, assignors to Merck & Co., Inc., Rahway, N. J. Chromanes and their production. 2,345,605; Apr. 4.

Johns, Henry S., Cleveland Heights, Ohio. Record filing apparatus. 2,345,673; Apr. 4.

Johnson, Robert D., New Brunswick, N. J., assignor to Atlantic Diesel Corporation. Multiple control device for tabs and the like. 2,346,030; Apr. 4.

Johnson, William S., assignor to Röhm & Haas Company, Philadelphia, Pa. Plastic methyl methacrylate. 2,346,107; Apr. 4.

Johnston & Jennings Company, The. (See McGunagle, William H., assignor.)

Jones, Emory D., and L. N. Murphy, Detroit, Mich. Lubrication of internal combustion engines. 2,345,606; Apr. 4.

Jones, John L., Billerica, and J. W. Farmer, Watertown, assignors to Stockton Profile Gauge Corporation, Lowell, Mass. Area measuring machine. 2,346,031; Apr. 4.

Jordan, Wilfred M., Johnstown, Pa., assignor to Bethlehem Steel Company. Circular scaffold. 2,346,033; Apr. 4.

Kaplan, Nathan, Atlanta, Ga. Fish scraper. 2,345,607; Apr. 4.

Kath, Alfred W., assignor to Arthur Colton Company, Detroit, Mich. Forming gelatin sheets. 2,345,674; Apr. 4.

Keasbey & Mattison Company. (See Miller, Lewis B., assignor.)

Keats, John L. (See Stark, H. M., and Keats.)

Keats, John L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium pigments. 2,345,980; Apr. 4.

Kelley, Maurice J. (See Robinson, E. A., and Kelley.)

Kelley, Russell R., Jackson Heights, assignor to International Mutoscope Reel Co. Inc., Long Island City, N. Y. Motion picture projection apparatus. 2,345,818; Apr. 4.

Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)

Kendall, Donald B., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,346,108; Apr. 4.

Kernan, John R. (See Downes, A. W., and Kernan.)

Kettler, Alfred H. (See Anderson, L. J., and Kettler.)

Kibitz, Harold, Oak Park, assignor to J. W. Droll Company, Chicago, Ill. Manufacture of mattresses. 2,345,675; Apr. 4.

Kinetic Chemicals, Inc. (See Benning, A. F., Downing, and Plunkett, assignors.)

Kinneberg, Ivar H., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbon oils. 2,345,753; Apr. 4.

Kinnucan, James W., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Reversing accessory drive assembly. 2,346,032; Apr. 4.

Kipper, Herman B., Accord, Mass. Process for the synthesis of drying oils from petroleum hydrocarbons. 2,345,754; Apr. 4.

Kirk, Thomas H., Lake Worth, and W. B. Kirk, Lantana, Fla. Milking apparatus. 2,345,819; Apr. 4.

Kirk, William B. (See Kirk, Thomas H. and W. B.)

Kleppe, Herbert C. (See Harman, G. J., and Kleppe.)

Klugherz, Samuel, Poughkeepsie, N. Y. Smoke filter for tobacco pipes. 2,345,676; Apr. 4.

Kohl, William R., Glenview, Ill. Fumigant support and fumigant. 2,345,755; Apr. 4.

Kohn, Jules J., Jacksonville, Fla. Foot correction. 2,345,820; Apr. 4.

Kohrtz, Gustaf A. F., Stockholm, Sweden. Cup to be used as cap for thermos bottles. 2,345,876; Apr. 4.

Kopec, Stanley J., Erie, Pa. Radius and tangential surface grinding wheel dresser. 2,345,821; Apr. 4.

Koppel, Ernst R., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Heater support. 2,345,677; Apr. 4.

Kraner, Hobart M., Bethlehem, Pa., assignor to Bethlehem Steel Company. Open hearth charging ore. 2,346,034; Apr. 4.

Kroenig, Walter, Ludwigshafen-on-the-Rhine, Germany, assignor to Standard Catalytic Company. Manufacture of liquid hydrocarbons. 2,345,877; Apr. 4.

Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition control means. 2,345,981; Apr. 4.

Kuntz, Frank A., Woodhaven, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth. 2,345,705; Apr. 4.

Kurnit, Abe, Hollis, N. Y. Portable trackage system. 2,345,706; Apr. 4.

Kurth, Franz J., and F. Honerkamp, assignors to Anemostat Corporation of America, New York, N. Y. Air outlet device. 2,345,938; Apr. 4.

Ladden, John J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Making warp beam sleeve. 2,346,035; Apr. 4.

Lamar, Harry H., Chicago, Ill. Ice-cubing device. 2,345,678; Apr. 4.

La Marca, John, Fairview, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Handling strip material. 2,345,756; Apr. 4.

Lane-Wells Company. (See Arnold, James C., assignor.)

Lane-Wells Company. (See Hart, Merida L., assignor.)

Lane-Wells Company. (See Scott, Beverly H., assignor.)

Lang, Wilmarth Y., Towaco, N. J., and F. J. Singer, Rockville Centre, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system pay station. 2,345,851; Apr. 4.

Langkammerer, Carl M., Wilmington, Del., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Shot shell sealing. 2,345,852; Apr. 4.

Laudenklos, Hans. (See Wirth, G., and Laudenklos.)

Leake, James M., Monroe, Mich. Rocker arm. 2,345,822; Apr. 4.

Leary, Richard E., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flock-coated die. 2,345,939; Apr. 4.

Leary, Richard E., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bonding of methacrylate polymers. 2,346,036; Apr. 4.

Lee, Frederick W., Owings Mills, Md. Geophysical prospecting. 2,345,608; Apr. 4.

Lehman, Edgar A., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Wood finishing. 2,345,610; Apr. 4.

Lehman, Edgar A., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Wood finishing. 2,345,940; Apr. 4.

Lehman, Edgar A., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Mechanical filling of porous wood. 2,345,941; Apr. 4.

Lehman, Edgar A., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Wood finishing. 2,345,942; Apr. 4.

Leising, John P., Swormsville, N. Y. Molding form. 2,345,707; Apr. 4.

Lerch, William B., C. H. Mathis, and E. J. Gatchell, Bartlesville, Okla., assignors to Phillips Petroleum Company. Plugging formations. 2,345,611; Apr. 4.

Lester, Ray F., assignor to Crouse-Hinds Company, Syracuse, N. Y. Explosion-proof switch housing. 2,345,757; Apr. 4.

Lewis, William H., Los Angeles, Calif. Subgrader. 2,345,612; Apr. 4.

Libbey-Owens-Ford Glass Company. (See Howald, A. M., and Meyer, assignors.)

Lilly, Eli, and Company. (See Rohrmann, Ewald, assignor.)

Lincoln Electric Company, The. (See Lincoln, J. F., and Jerabek, assignors.)

Lincoln, James F., Cleveland, and T. E. Jerabek, East Cleveland, assignors to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 2,345,758; Apr. 4.

Linde Air Products Company, The. (See Smith, George H., assignor.)

Lindsay, Charles H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Fire extinguisher. 2,345,759; Apr. 4.

Lindsey, William L., and H. Wilson, Fort Benning, Ga. Aerial delivery container. 2,345,609; Apr. 4.

Lines, Arthur A., Marion, Ind. Vise. 2,345,708; Apr. 4.

Link, Karl P. (See Stahmann, M. A., and Link.)

Link, William H., San Diego, Calif. Oil burner. 2,345,823; Apr. 4.

Linse, Harry J., Stamford, Conn. Testing pneumatic tire casings. 2,345,679; Apr. 4.

Lipp, Elmer L. (See Helbush, H. H., and Lipp.)

Lobdell, Lucius, Rockford, Ill. Changeable exhibitor. 2,345,709; Apr. 4.

Lukis, Ernest du B., Bronx, N. Y. Lathe attachment. 2,345,613; Apr. 4.

Lunney, Henry J., Los Angeles, assignor of forty-seven and one-fourth per cent to said Lunney, thirty-two and one-fourth per cent to L. C. Spangard, Santa Monica, Calif., one per cent to M. H. Benstein, one per cent to B. Higgens, three per cent to D. W. Hooper, one-half per cent to P. R. Hooper, and fifteen per cent to S. G. Spangard. Abdominal supporting appliance. 2,345,760; Apr. 4.

Lustusky, William A. (See Wagner, J. L., Socoloskie, and Lustusky.)

Lybarger, Samuel F., Pittsburgh, assignor to E. A. Myers & Sons, Mount Lebanon, Pa. Hearing aid circuit. 2,345,761; Apr. 4.

Lybyer, Benjamin H., Casper, Wyo. Well pumping equipment. 2,345,710; Apr. 4.

Macbeth, George T., Bronxville, N. Y. Single port pressure balanced gas regulator. 2,345,824; Apr. 4.

MacCoul, Edward H. (See Treciokas, J. P., and MacCoul.)

Machinery Manufacturing Co. (See Huthsing, L. B., and Gregory, assignors.)

Mack Manufacturing Corporation. (See Bull, Kenneth D., assignor.)

MacKenzie, Neal T., assignor to General Timber Service, Inc., St. Paul, Minn. Farm gate. 2,346,110; Apr. 4.

MacKenzie, Neal T., assignor to General Timber Service, Inc., St. Paul, Minn. Picket fence. 2,346,111; Apr. 4.

Mackinnon, Thomas J. (See Boyce, Reginald D., assignor.)

Majorie, Anthony, Fort Lee, N. J. Step construction for embroidery machines. 2,345,680; Apr. 4.

Mallinckrodt Chemical Works. (See Wallingford, V. H., and Homeyer, assignors.)

Malsbary, Job F., and W. W. Taylor, Oakland, Calif. Cleaning machine. 2,345,614; Apr. 4.

Manchan, Louis, North Hollywood, assignor of one-half to D. Dickson, Los Angeles, Calif. Capping member. 2,345,982; Apr. 4.

Manson, Frank G., and J. J. Maskey, Dayton, Ohio. Multiple weight aerial delivery container launching rig. 2,345,615; Apr. 4.

Manson, Frank G., and J. J. Maskey, Dayton, Ohio. Aerial delivery gun container. 2,345,616; Apr. 4.

Marbury, Ralph E. (See Evans, R. D., Marbury, and Monteith.)

Margolies, Samuel L., Brooklyn, N. Y. Pocket spray device. 2,345,853; Apr. 4.

Margolies, Samuel L., Brooklyn, N. Y. Pocket spray device. 2,345,854; Apr. 4.

Marietta Manufacturing Company. (See Newlon, George R., assignor.)

Marinsky, Davis. (See Morin, Louis H., assignor.)

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sterol compound and obtaining the same. 2,345,711; Apr. 4.

Markham, Charles E. (See Ericson, G. R., and Markham.)

Martin, Glenn L., Company, The. (See Hake, Albert C., assignor.)

Martin, Karl, et al., executors. (See Brooks, Lew W.)

Martin, William McK., Maywood, Ill., assignor to American Can Company, New York, N. Y. Filling machine. 2,345,617; Apr. 4.

Martinelli, Ciro C., Oaklyn, N. J., assignor to Radio Corporation of America. Noise limiter circuit. 2,345,762; Apr. 4.

Maskey, James J. (See Manson, F. G., and Maskey.)

Mason, William H., Leesburg, Ohio. Pickup cane. 2,346,038; Apr. 4.

Massey-Harris Company, The. (See Everett, Charles E., assignor.)
Mathis, Clyde H. (See Lerch, W. B., Mathis, and Gatchell.)
May & Baker Limited. (See Barber, Harry J., assignor.)
May, Robert M., assignor to Crown Manufacturing Co., Inc., San Francisco, Calif. Shirt. 2,345,764; Apr. 4.
Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible track for self-laying track vehicles. 2,345,763; Apr. 4.
McBee Company, The. (See Nevin, Donald A., assignor.)
McBerty, Ford H. (See Powers, W. J., Jr., and McBerty.)
McCann, Michael, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Article attaching machine. 2,345,943; Apr. 4.
McCarthy, Henry J., Danvers, Mass., assignor to Sylvania Electric Products Inc. Electric discharge lamp and starting device. 2,346,109; Apr. 4.
McCormick, Edward J., Washington, D. C. Fuse. 2,345,618; Apr. 4.
McCormick, William E., Mount Penn, assignor to Willson Products, Inc., Reading, Pa. Resettable meter for indicating use of respirator filter canisters. 2,346,037; Apr. 4.
McGlaughlin, John P., Sr., Peekskill, N. Y. Instant unloading press and dehydrator. 2,345,983; Apr. 4.
McGunagle, William H., assignor to The Johnston & Jennings Company, Cleveland, Ohio. Valve. 2,345,984; Apr. 4.
McKinney, Robert M., Roselle, and H. M. Stark, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium oxide pigments. 2,345,985; Apr. 4.
McLaren, Peter J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Cam gearing. 2,345,944; Apr. 4.
McNally, James G. (See Dickey, J. B., and McNally.)
McNeil Machine & Engineering Company, The. (See Soderquist, L. E., and Williams, assignors.)
Mecchi, Edmondo, Brooklyn, N. Y. Amusement apparatus. 2,345,855; Apr. 4.
Melli-Blumberg Corporation. (See Blumberg, Paul, assignor.)
Melsheimer, Theodore, Temple City, assignor to Parkhiel-Wade, Los Angeles, Calif. Apparatus for vaporizing liquefied gases. 2,346,112; Apr. 4.
Mentley, Max B., and D. D. Austin, assignors to National Broach & Machine Company, Detroit, Mich. Cutter manufacture. 2,345,986; Apr. 4.
Merck & Co., Inc. (See John, W., and Günther, assignors.)
Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)
Meyer, Leonard S. (See Howald, A. M., and Meyer.)
Michel, Mathias, assignor to Aluminum Company of America, Pittsburgh, Pa. Tension controlling apparatus. 2,345,765; Apr. 4.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Film spool. 2,346,075; Apr. 4.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Combined view and range finder for cameras. 2,346,076; Apr. 4.
Miller, Charles G., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,345,825; Apr. 4.
Miller, Howard A., assignor to Eastman Kodak Company, Rochester, N. Y. Toning photographic images. 2,346,077; Apr. 4.
Miller, Leonidas C., assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif. Deflecting tool. 2,345,766; Apr. 4.
Miller, Lewis B., assignor to Keasby & Mattison Company, Ambler, Pa. Preparing insulating material. 2,345,878; Apr. 4.
Miller, Richard F. (See Nadeau, G. F., and Miller.)
Miner, Floyd E., Bensenville, Ill. Trailer wheel supporting means. 2,345,945; Apr. 4.
Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Moberg, Ligurd M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Shackle seal. 2,345,767; Apr. 4.
Mohr, Milton E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation modulator. 2,345,712; Apr. 4.
Monarch Tool & Machinery Co. (See Clark, W. F., and Jelinek, assignors.)
Monk, Newton. (See Green, E. I., and Monk.)
Montague, Stephen F., Oswego, assignor to Berst-Forster-Dixfield Company, New York, N. Y. Forming wooden spoons from blanks. 2,346,039; Apr. 4.
Montague, Stephen F., Oswego, assignor to Berst-Forster-Dixfield Company, New York, N. Y. Wooden spoon and making the same. 2,346,040; Apr. 4.
Monteith, Alexander C. (See Evans, R. D., Marbury, and Monteith.)
Monteith, Alexander C. (See Evans, R. D., and Monteith.)
Moore, Laurence L. (See Winslow, C. A., and Moore.)
Moore, Malcolm C., assignor to Hercules Powder Company, Wilmington, Del. Textile printing paste. 2,345,879; Apr. 4.
Moore, Thomas V., and G. E. Cannon, Houston, Tex., assignors to Standard Oil Development Company. Improving oil wells. 2,345,713; Apr. 4.
Moore, Wiley T., U. S. Army, Laverne, Okla. Projectile. 2,345,619; Apr. 4.
Morales, José A. (See Gonzalez, V. M., and Morales.)
Morgan, Willard L., Edgewood, and N. L. Vaughn, Providence, R. I., assignors to Arnold, Hoffman & Co. Incorporated. Printing textiles with pigments. 2,346,041 Apr. 4.
Morin, Louis H., assignor of one-half to D. Mariusky, Bronx, N. Y. Contour separable fastener. 2,345,880; Apr. 4.
Mork, George W., assignor to Bucyrus Erie Company, South Milwaukee, Wis. Tractor propelled implement. 2,345,620; Apr. 4.
Morris, Bruce, Calgary, Alberta, Canada. Lubricating oil reclaimer. 2,346,042; Apr. 4.
Morris Paper Mills. (See Arneson, Edwin L., assignor.)
Morse Boulger Destructor Company. (See Stilson, Alden E., assignor.)
Mothershead, Raymond E., Seat Pleasant, Md., assignor to Government of The United States, as represented for the purpose hereof by the Secretary of Commerce. Withe for masts, flagpoles, and the like. 2,345,621; Apr. 4.
Mothwurf, Arthur F. F., Philadelphia, Pa., assignor, by mesne assignments, to Industrial Rayon Corporation. Continuous manufacture of viscose rayon. 2,345,622; Apr. 4.
Murphy, Louis N. (See Jones, E. D., and Murphy.)
Myer, James E., and H. G. Uhl, assignors to Timber Engineering Company, Washington, D. C. Timber connector. 2,345,856; Apr. 4.
Myers, E. A., & Sons. (See Lybarger, Samuel F., assignor.)
Myers, Frederick J. (See Robinson, J. D., and Myers.)
Mysels, Karol J., assignor to Shell Development Company, San Francisco, Calif. Pipe-line leak detecting method. 2,346,043; Apr. 4.
Nadeau, Gale F., and R. F. Miller, assignors to Eastman Kodak Company, Rochester, N. Y. Antihalation protective layer. 2,346,078; Apr. 4.
Nadeau, Ross, Newark, N. J. Packaging razor blades. 2,346,044; Apr. 4.
Nash-Kelvinator Corporation. (See Goulooze, Martin J., assignor.)
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
National Broach & Machine Company. (See Mentley, M. B., and Austin, assignors.)
National Cash Register Company, The. (See Spurlino, P., Goodbar, and Frost, assignors.)
National Distillers Products Corporation. (See Pattee, Ellis C., assignor.)
National Oil Products Company. (See Briod, A. E., and Buxton, assignors.)
National Oil Products Company. (See Buxton, Loran O., assignor.)
National Oil Products Company. (See Robinson, E. A., and Kelley, assignors.)
National Pneumatic Company. (See Conklin, Roscoe D., assignor.)
Neal, Morris P., Quincy, assignor to Ditto, Incorporated, Chicago, Ill. Inking mechanism for duplicating machines. 2,345,681; Apr. 4.
Neiswinter, James T., South Orange, N. J., assignor to American Telephone and Telegraph Company. Dial controlled signaling system. 2,345,987; Apr. 4.
Nelson, Ted, San Leandro, Calif. Shielded lock clip. 2,345,768; Apr. 4.
Neumark, Hans R., Forest Hills, assignor to General Chemical Company, New York, N. Y. Recovery of alkali metal cyanates. 2,345,826; Apr. 4.
Neuwirth, Herman, Brooklyn, assignor to Testrite Instrument Company, Inc., New York, N. Y. Film developing apparatus. 2,345,682; Apr. 4.
Nevin, Donald A., assignor to The McBee Company, Athens, Ohio. Apparatus for verifying punchings or notchings in sheets. 2,345,858; Apr. 4.
Newell, Lester S., Boulder, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Stripper for shell drawing dies. 2,345,857; Apr. 4.
Newlon, George R., assignor to Marietta Manufacturing Company, Point Pleasant, W. Va. Pipe fabricating machine. 2,346,045; Apr. 4.
Newport Industries, Inc. (See Palmer, R. C., and Bibb, assignors.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical timing apparatus. 2,346,079; Apr. 4.
Noble, Charles S., Nobleford, Alberta, Canada. Cultivator. 2,345,702; Apr. 4.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Correction of distorted telegraph signals. 2,345,881; Apr. 4.

Oaks, William B., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner. 2,345,623; Apr. 4.
Ockrant, William, Cincinnati, Ohio. Apparatus for treating cotton sweeps. 2,345,988; Apr. 4.
O'Connor, John J. (See de Simó, M., and O'Connor.)
Ogden, Floyd H., Arlington, Mass. Cutting machine. 2,346,046; Apr. 4.
Oilgear Company, The. (See Davis, Richard E., assignor.)
Oilgear Company, The. (See Douglas, James K., assignor.)
Olin, Hubert L., Iowa City, Iowa. Purification of water. 2,345,827; Apr. 4.
Olin, Hubert L., Iowa City, Iowa. Sewage treatment. 2,345,828; Apr. 4.
Oliver Farm Equipment Company. (See Braley, William L., assignor.)
Oliver Farm Equipment Company. (See Gemberling, Cameron H., assignor.)
Oliver Farm Equipment Company. (See Gemberling, C. H., and Altgelt, assignors.)
Oliver Farm Equipment Company. (See Wink, Edward C., assignor.)
Opocensky, Willard J., Glendale, Calif., assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif. Marking record elements. 2,345,829; Apr. 4.
Ormond, John J., assignor of two-thirds to J. D. Ramsey, Boston, Mass. Etching process. 2,345,989; Apr. 4.
Osrow, Adolph L., Jamaica, N. Y. Electric toaster and cooker. 2,345,769; Apr. 4.
Otto, Eugene J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Constant tension drive. 2,346,047; Apr. 4.
Otto, Paul W. (See Hannigan, Maurice A., assignor.)
Ottoson, Carl C., Port Richmond, Staten Island, N. Y. Loading boot assembly. 2,345,990; Apr. 4.
Overbaugh, Sidney C., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyvinyl acetal resins. 2,345,946; Apr. 4.
Owens, Harry M., assignor to S. J. Owens, Oakland, Calif. Juice extracting machine. 2,345,683; Apr. 4.
Owens, Susan J. (See Owens, Harry M., assignor.)
Owens, Wilbur D. (See Ivey, J. W., and Owens.)
Oxzyn Company. (See Valentine, Joseph E., assignor.)
Packard Motor Car Company. (See Clark, John M., assignor.)
Packard Motor Car Company. (See Clark, J. M., and Van Deventer, assignors.)
Paladino, Angelo R., Elmont, N. Y., assignor to Superior Felt and Bedding Co., Chicago, Ill. Convertible furniture. 2,345,624; Apr. 4.
Palmer, Robert C., and C. H. Bibb, assignors to Newport Industries, Inc., Pensacola, Fla. Dehydrating dialkyl aryl carbinols. 2,345,625; Apr. 4.
Panizzon, Leandro. (See Hoffmann, K., and Panizzon.)
Park, Stafford, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Eastman Oil Well Survey Corporation, Long Beach, Calif. Surveying well bores. 2,345,770; Apr. 4.
Parke, Davis & Company. (See Marker, Russell E., assignor.)
Parkhiel-Wade. (See Melsheimer, Theodore, assignor.)
Parks, Walter J., Shaker Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 2,345,947; Apr. 4.
Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation, New York, N. Y. Solvent extracting apparatus. 2,345,626; Apr. 4.
Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and machine for operating on insoles. 2,345,627; Apr. 4.
Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Scroll strip and forming same. 2,345,882; Apr. 4.
Pellett, Fred G., Alpiaus, N. Y., assignor to General Electric Company. Resinous composition. 2,345,948; Apr. 4.
Phelps Dodge Corporation. (See Randolph, Frank M., assignor.)
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,345,714; Apr. 4.
Phillips Petroleum Company. (See Fisher, Gordon H., assignor.)
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Phillips Petroleum Company. (See Hachmuth, Karl H., assignor.)
Phillips Petroleum Company. (See Lerch, W. B., Mathis, and Gatchell, assignors.)
Pierson, Harold L., assignor to E. P. Reed & Co., Rochester, N. Y. Positioning means. 2,345,830; Apr. 4.
Pierson, Harold L., assignor to E. P. Reed & Co., Rochester, N. Y. Shoe sole and making the same. 2,345,831; Apr. 4.
Pierson, Oscar E., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Multichannel telegraph system. 2,345,628; Apr. 4.
Plastic Veneering, Inc. (See Bright, Elvin M., assignor.)
Plumley, Richard G., Glenbrook, Conn., assignor to Crown Fastener Corporation, Warren, R. I. Automatic lock slider. 2,345,883; Apr. 4.
Plunkett, Roy J. (See Benning, A. F., Downing, and Plunkett.)
Pneumatic Scale Corporation, Limited. (See Hultin, Oscar H., assignor.)
Porter, Henry D., A. Weissberger, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Acylaminohydroxydiphenyl couplers. 2,346,080; Apr. 4.
Posture Research Corporation. (See Fields, F. D., and Wood, assignors.)
Pounder, Donald W. (See Taylor, S. D., and Pounder.)
Powers, William J., Jr., Ilion, N. Y., and F. H. McBerty, Newark, Del., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Turret conveyer. 2,345,884; Apr. 4.
Pressley, Jackson H., Marion, Ind., assignor to Farnsworth Television and Radio Corporation. Control mechanism for automatic phonographs. 2,345,684; Apr. 4.
Pritchard, Eric T., Livereďge Hill, Henley-in-Arden, England. Hose or band clip. 2,345,832; Apr. 4.
Procter & Gamble Company, The. (See Damm, Helmut, assignor.)
Radio Corporation of America. (See Anderson, L. J., and Kettler, assignors.)
Radio Corporation of America. (See Gillespie, Charles N., Jr., assignor.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Martinelli, Ciro C., assignor.)
Radio Corporation of America. (See Smith, J. Ernest, assignor.)
Radio Corporation of America. (See Tolson, William A., assignor.)
Ramsey, Joseph D. (See Ormond, John J., assignor.)
Randolph, Frank M., Ajo, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Air scrubber. 2,345,859; Apr. 4.
Randrup, Benjamin F., Brisbane, Calif. Collapsible boat. 2,346,081; Apr. 4.
Rawlins, Herbert L. (See Baker, B. P., and Rawlins.)
Reconstruction Finance Corporation. (See McLaren, Peter J., assignor.)
Reed, E. P., & Co. (See Pierson, Harold L., assignor.)
Reed Roller Bit Company. (See Shaw, John F., assignor.)
Reed, Russell H., Champaign, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Agricultural apparatus. 2,345,715; Apr. 4.
Reid Brothers Company. (See Woodbury, Stephen E., assignor.)
Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Embossing crystalline polymeric material. 2,345,629; Apr. 4.
Remington Arms Company. (See Ballou, Charles O., assignor.)
Remington Arms Company. (See Brown, H. A., and Barnes, assignors.)
Remington Arms Company. (See Burdett, Philip H., assignor.)
Remington Arms Company. (See Burdett, P. H., and Calhoun, assignors.)
Remington Arms Company. (See Du Pont, F. G., and Barker, assignors.)
Remington Arms Company. (See Langkammerer, Carl M., assignor.)
Remington Arms Company. (See Newell, Lester S., assignor.)
Remington Arms Company. (See Powers, W. J., Jr., and McBerty, assignors.)
Remington Arms Company. (See Reynolds, Warren S., assignor.)
Remington Arms Company. (See Whipple, Ernest G., assignor.)
Research Products Corporation. (See Weiss, Howard F., assignor.)
Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
Resinous Products & Chemical Company, The. (See Robinson, J. D., and Myers, assignors.)
Reynolds, Richard W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alarm system. 2,345,771; Apr. 4.
Reynolds, Warren S., Stratford, Conn., assignor to Remington Arms Company, Inc. Ammunition. 2,345,885; Apr. 4.
Rhein, Lloyd R., Pleasant Ridge, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Handle assembly. 2,345,685; Apr. 4.
Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Auxiliary telephone apparatus. 2,346,113; Apr. 4.
Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Right-of-way telephone system. 2,346,114; Apr. 4.
Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Emergency telephone system. 2,346,115; Apr. 4.
Rich, Charles A., and W. E. Twamley, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Screw and similar machine. 2,345,686; Apr. 4.

Rich, Hyman R., Milwaukee, Wis., assignor to The Enoz Chemical Company, Chicago, Ill. Pressure vaporizer. 2,345,687; Apr. 4.

Rick, Charles, Highland Park, Mich. Screen and storm window. 2,345,886; Apr. 4.

Riedl, George, Aberdeen, Idaho. Garment. 2,346,082; Apr. 4.

Ringwald, Clarence, Springfield, Ohio. Welding apparatus. 2,345,630; Apr. 4.

Rishel, Harry A., Ambler, Pa. Paint brush. 2,345,991; Apr. 4.

Robbins, Roland W., Lincoln, Mass. Locking device. 2,345,949; Apr. 4.

Roberts, Fred O., Milwaukie, Oreg., assignor to American Can Company, New York, N. Y. Uniting cable sections. 2,345,631; Apr. 4.

Robertson, Malva M., Dallas, and R. R. Douglas, Van, assignors to W. L. Garland, Grand Saline, Tex. Gas detecting apparatus. 2,345,772; Apr. 4.

Robinson, Edwin A., Chatham, and M. J. Kelley, Newark, assignors to National Oil Products Company, Harrison, N. J. Polyamides. 2,345,632; Apr. 4.

Robinson, Jack D., and F. J. Myers, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Poly-disperse system. 2,346,083; Apr. 4.

Rockett, Albert L. (See Edwards, William C., assignor.)

Röhm & Haas Company. (See Johnson, William S., assignor.)

Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Producing dialkoxy stilbenes. 2,346,048; Apr. 4.

Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Producing dialkoxy stilbenes. 2,346,049; Apr. 4.

Rosen, Meyer, Monroe, Mich. Furnace construction. 2,346,050; Apr. 4.

Rothrock, John E., Newark, assignor to Hercules Powder Company, Wilmington, Del. Sealing containers. 2,345,887; Apr. 4.

Rover Company Limited, The. (See Scott-Iversen, Poul A., assignor.)

St. Pierre, Eugene. (See Green, I. H. C., and St. Pierre.)

Salzer, Walter, and H. Henecka, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of pyridine-4.5-dicarboxylic acid compounds. 2,345,633; Apr. 4.

Salzmann, Fritz, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. Thermal power plant. 2,345,950; Apr. 4.

Sanocki, Stanley, Chicopee, Mass. Tool. 2,346,084; Apr. 4.

Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,345,992; Apr. 4.

Sawyer, Roscoe H., Linthicum Heights, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing improved titanium pigments. 2,346,085; Apr. 4.

Schade, Willy, and K. Tolle, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 2,346,086; Apr. 4.

Schirokauer, Henry, New York, N. Y., assignor to Shirgun Corporation. Gun barrel lock. 2,345,833; Apr. 4.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake actuating system. 2,345,634; Apr. 4.

Schorr, John M., New Orleans, La. Process of extracting inpulin. 2,345,773; Apr. 4.

Schultz, Harvey A. (See Davies, J. M., and Schultz.)

Schweitzer, Howard V., Shaker Heights, Ohio. Painting machine. 2,345,834; Apr. 4.

Scott, Beverly H., Maywood, assignor to Lane-Wells Company, Los Angeles, Calif. Liner hanger. 2,345,888; Apr. 4.

Scott-Iversen, Poul A., assignor to The Rover Company Limited, Chesford Grange, near Kenilworth, Warwickshire, England. Actuating the clutches of mechanically propelled vehicles. 2,345,860; Apr. 4.

Scovill Manufacturing Company. (See Treciokas, J. P., and MacCoul, assignors.)

Seamark, Lewis M. C., Pyne Cliff, Lyme Regis, England. Pipe and other coupling. 2,346,051; Apr. 4.

Seamark, Lewis M. C., Lyme Regis, England. Valve. 2,346,052; Apr. 4.

Senacon Service Company. (See Smith, Neil V., assignor.)

Serduke, James T., Berkeley, Calif. Device for collecting electric current. 2,345,835; Apr. 4.

Sevastopulos, Eleftheria. (See Sevastopulos, Nick, assignor.)

Sevastopulos, Nick, assignor to E. Sevastopulos, New York, N. Y. Container for tobacco, cigarettes, and pipe cleaners and the like articles. 2,336,087; Apr. 4.

Shankland, Rodney V. (See Heard, L., Shankland, and Baillie.)

Shaver, Ward, assignor to Skelly Oil Company, Tulsa, Okla. Tabular column leaf. 2,345,861; Apr. 4.

Shaw, John F., assignor to Reed Roller Bit Company, Houston, Tex. Trip tube. 2,345,836; Apr. 4.

Shell Development Company. (See de Simó, M., and O'Connor, assignors.)

Shell Development Company. (See Hassler, Gerald L., assignor.)

Shell Development Company. (See Mysels, Karol J., assignor.)

Shell Development Company. (See Yeatman, Charles A., assignor.)

Shirgun Corporation. (See Schirokauer, Henry, assignor.)

Shobert, Erle I., II, assignor to Stackpole Carbon Company, St. Marys, Pa. Self-aligning electrode. 2,346,088; Apr. 4.

Shortland, Arthur. (See Bromley, T. C., and Shortland.)

Simonson, Sigvard. (See Bierman, W. A., and Simonson.)

Simpson, George L., Coraopolis Heights, Pa., assignor to Delaware Engineering Corporation, Wilmington, Del. Method and apparatus for the treatment of gases. 2,345,774; Apr. 4.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Manufacture of wheels. 2,345,993; Apr. 4.

Sinclair Refining Company. (See Gardner, Robert H., assignor.)

Singer, Fred J. (See Lang, W. Y., and Singer.)

Singer Manufacturing Company, The. (See McCann, Michael, assignor.)

Singer Manufacturing Company, The. (See Smith, Floyd T., assignor.)

Singer, Otto, London, England. Self-laying track for vehicles. 2,346,089; Apr. 4.

Skelly Oil Company. (See Shaver, Ward, assignor.)

Skold, John F. (See Zimmerman, C. E., and Skold.)

Smiley, John B. (See Foster, Robert B., assignor.)

Smith, A. O., Corporation. (See Heath, William C., assignor.)

Smith, A. O., Corporation. (See Koppel, Ernst R., assignor.)

Smith, A. O., Corporation. (See Westin, Sven and A., assignors.)

Smith, Clifton E., Lincoln Park, and T. H. Vaughn, Grosse Ile, assignors, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Manufacture of protected wooden barrels. 2,345,775; Apr. 4.

Smith, Fairleigh E., Harlingen, Tex. Free-flowing sulphur. 2,345,862; Apr. 4.

Smith, Floyd T., White Plains, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bearing construction. 2,345,952; Apr. 4.

Smith, George H., Buffalo, N. Y., assignor to The Linde Air Products Company. Method and apparatus for cutting ferrous metal bar stock. 2,345,688; Apr. 4.

Smith, J. Ernest, Brooklyn, N. Y., assignor to Radio Corporation of America. Radio relay control system. 2,345,951; Apr. 4.

Smith, Milton A., Cicero, assignor to Chicago Carton Company, Chicago, Ill. Hollow walled carton. 2,345,716; Apr. 4.

Smith, Neil V., Los Angeles, Calif., assignor, by mesne assignments, to Senacon Service Company, Cleveland, Ohio. Valve mechanism. 2,345,837; Apr. 4.

Smith, Paul J., Ferndale, Mich. Multiple chuck. 2,346,053; Apr. 4.

Snadecki, William J., Newport News, Va. Transom drive for motor boat. 2,345,689; Apr. 4.

Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company. Making granulated explosives. 2,346,116; Apr. 4.

Socoloskie, Henry J. (See Wagner, J. L., Socoloskie, and Lustusky.)

Soderberg, Paul W., assignor, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Sodium silicate detergent composition. 2,345,776; Apr. 4.

Soderquist, Leslie E., and T. H. Williams, assignors to The McNeil Machine & Engineering Company, Akron, Ohio. Vulcanizing press and the like. 2,345,838; Apr. 4.

Solmssen, Ulrich V., Clifton, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Manufacture of phosphoric esters of phenols. 2,345,690; Apr. 4.

Somers, Amos N., Westboro, Mass. Optical device to reduce glare. 2,345,777; Apr. 4.

Spangard, Laurence C., et al. (See Lunney, Henry J., assignor.)

Spangard, Sigrid G., et al. (See Lunney, Henry J., assignor.)

Sperry Gyroscope Company, Limited, The. (See Glenny, Arthur P., assignor.)

Sperry Gyroscope Company. (See Varian, Sigurd F. and R. H., assignors).

Sperti, George S., Covington, Ky., assignor to The Institutum Divi Thomae Foundation, Cincinnati, Ohio. Enclosed arc device and controlling service at varying intensties. 2,345,638; Apr. 4.

Spicer Manufacturing Corporation. (See Hardy, John L., assignor.)

Spicer Manufacturing Corporation. (See Waldron, Thomas A., assignor.)

Spring Perch Co. (See Tollzien, Ward C., assignor.)

Spurlino, Pascal, M. A. Goodbar, and M. D. Frost, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,345,839; Apr. 4.

Stabler, Howard P., Williamstown, Mass., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,346,117; Apr. 4.

Stackpole Carbon Company. (See Shobert, Erle, I., II, assignor.)

Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic bleach-out layer. 2,346,090; Apr. 4.

Stahmann, Mark A., and K. P. Link, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Di-esters of 3,3'-methylenebis(4-hydroxycourmarin), and making them. 2,345,635; Apr. 4.

Standard Catalytic Company. (See Kroenig, Walter, assignor.)

Standard Oil Company. (See Burk, Robert E., assignor.)

Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)

Standard Oil Company. (See Heard, L., Shankland, and Baillie, assignors.)

Standard Oil Development Company. (See Camp, John M., assignor.)

Standard Oil Development Company. (See Moore, T. V., and Cannon, assignors.)

Standard Oil Development Company. (See Walton, Jesse S., assignor.)

Stark, Henry M. (See McKinney, R. M., and Stark.)

Stark, Henry M., and J. L. Keats, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium oxide pigments. 2,346,091; Apr. 4.

Staud, Cyril J. (See Carroll, B. H., and Staud.)

Stern, Edgar L. (See Gruenberg, A. J., and Stern.)

Stern, Harold, Yonkers, N. Y. Sewing kit. 2,345,994; Apr. 4.

Stickler, Charles W., Hazelton, Pa. Ventilating apparatus. 2,345,636; Apr. 4.

Stiles, Le Conie, Seattle, Wash. Production of coffee cakes. 2,345,637; Apr. 4.

Stilson, Alden E., Forest Hills, assignor to Morse Boulger Destructor Company, Inc., New York, N. Y. Incinerator. 2,346,054; Apr. 4.

Stockton Profile Gauge Corporation. See Jones, J. L., and Farmer, assignors.)

Stover, Harry E., Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,346,118; Apr. 4.

Stoye, Otto. (See Tibone, J. J., and Stoye.)

Strong, Charles W., assignor to Strong Manufacturing Company, Portland, Oreg. Beverage dispensing apparatus. 2,345,840; Apr. 4.

Strong Manufacturing Company. See Strong, Charles W., assignor.)

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Synergists to aerosol insecticides. 2,345,891; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,892; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,893; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,894; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,895; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,896; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,897; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,898; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,899; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,900; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,901; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,902; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,903; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,904; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,905; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,906; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,907; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,908; Apr. 4.

Sullivan, William N., Washington, D. C., and L. D. Goodhue, Berwyn, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Synergists to aerosol insecticides. 2,345,909; Apr. 4.

Summers, Edna, Los Angeles, Calif. Slip. 2,345,841; Apr. 4.

Sunbeam Electric Manufacturing Company. (See Gaston, Donald H., assignor.)

Superior Concrete Accessories. (See Hillberg, Bror, assignor.)

Superior Felt and Bedding Co. (See Paladino, Angelo R., assignor.)

Talbot, Frank A., Baltimore, Md., assignor of one-half to R. E. Barry, Washington, D. C. Sight glass. 2,345,889; Apr. 4.

Talley, Henry A. (See James, N. R., and Talley.)

Taylor, Stanley D., Sutton Coldfield, and D. W. Pounder, Moseley, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Manufacture of goods of or containing spongelike or cellular rubber. 2,346,055; Apr. 4.

Taylor, Walter W. (See Malsbary, J. F., and Taylor.)

Tech Equipment Company. (See Williams, B. W., and Williams, assignors.)

Ternstedt Manufacturing Company. (See Rhein, Lloyd R., assignor.)

Testrite Instrument Company. (See Neuwirth, Herman, assignor.)

Texas Company, The. (See Warrick, Halsted R., assignor.)

Textile Machine Works. (See Bitzer, Gottlob, assignor.)

Textile Machine Works. (See Haehnel, Herbert E., assignor.)

Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Filling machine. 2,346,056; Apr. 4.

Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Hand-operated boat hoist. 2,346,119; Apr. 4.

Thompson, Richard B. (See Halley, H. O., and Thompson.)

Tibone, James J., Oceanside, and O. Stoye, Rockville Centre, N. Y. Surgical instrument. 2,345,639; Apr. 4.

Timber Engineering Company. (See Myer, J. E., and Uhl, assignors.)

Toledo Scale Company. (See Kendall, Donald B., assignor.)

Toledo Scale Company. (See Stabler, Howard P., assignor.)

Toledo Scale Company. (See Weckerly, Mark A., assignor.)

Tolen, Virgil R., Tinley Park, Ill., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph repeater. 2,345,953; Apr. 4.

Tolle, Karl. (See Schade, W., and Tolle.)

Tollzien, Ward C., Detroit, Mich., assignor to Spring Perch Co., Lackawanna, N. Y. Vehicle spring. 2,346,092; Apr. 4.

Tolson, William A., Westmont, N. J., assignor to Radio Corporation of America. Sonic depth indicator. 2,346,093; Apr. 4.

Touchstone, Burt W. and W. M., Haughton, La. Window blind. 2,346,057; Apr. 4.

Touchstone, William M. (See Touchstone, Burt W. and W. M.)

Treciokas, Jacob P., Oakville, Conn., and E. H. MacCoul, Oak Park, Ill., assignors to Scovill Manufacturing Company, Waterbury, Conn. Gauging device for setting snap fasteners. 2,345,640; Apr. 4.

Trojan Powder Company. (See Bowman, Charles H., assignor.)
Trojan Powder Company.. (See Snelling, Walter O., assignor.)
Turner, Luther B., Roselle Park, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Treatment of polymer substances. 2,345,717; Apr. 4.
Twamley, William E. (See Rich, C. A., and Twamley.)
Tyler, W. S., Company, The. (See Parks, Walter J., assignor.)
Uhl, Harry G. (See Myer, J. E., and Uhl.)
Union Special Machine Company. (See Sauer, George, assignor.)
United Gas Improvement Company, The. (See Chaney, Newcomb K., assignor.)
United Shoe Machinery Corporation. (See Paulsen, Hans C., assignor.)
United States of America, as represented by Secretary of War. (See Faucet, Cecil C.)
U. S. Slicing Machine Company. (See Winberg, T. W., and Ames, assignors.)
Universal Oil Products Company. (See Danforth, Joseph D., assignor.)
Universal Oil Products Company. (See Ipatieff, Vladimir N., assignor.)
Universal Oil Products Company. (See Kinneberg, Ivar H., assignor.)
Universal Oil Products Company. (See Zimmerman, Gorden B., assignor.)
Valentine, Joseph E., Plainfield, N. J., assignor to Oxzyn Company. Noise eliminator. 2,345,842; Apr. 4.
Van der Mey, Wytze Hendrik. (See van Lammeren, J. A., and van der Mey.)
Van Deventer, Ralph E. (See Clark, J. M., and Van Deventer.)
Van Lammerer, Johannes A., and W. H. van der Mey, Eindhoven, Netherlands; vested in the Alien Property Custodian. Remote motor control. 2,345,778; Apr. 4.
Van Raalte Company. (See Hayes, Clyde B., assignor.)
Van Sant, Victor H., Westfield, N. J., assignor to Federal Telephone and Radio Corporation. Grid construction. 2,345,641; Apr. 4.
Varian, Sigurd F. and R. H., West Hempstead, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High frequency tube structure. 2,345,642; Apr. 4.
Varian, Russel H. (See Varion, Sigurd F. and R. H.)
Vaughn, Norman L. (See Morgan, W. L., and Vaughn.)
Vaughn, Thomas H. (See Smith, C. E., and Vaughn.)
Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Breather for multiple glass sash. 2,345,643; Apr. 4.
Vickers Incorporated. (See Harrington, Ferris T., assignor.)
Vickers Incorporated. (See Herman, Kenneth R., assignor.)
Vigneri, Giuseppe, Newark, N. J. Spring motor. 2,345,954; Apr. 4.
Vittum, Paul W. (See Porter, H. D., Weissberger, and Vittum.)
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Ignition device. 2,346,094; Apr. 4.
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wagner, Harold H., Cincinnati, Ohio, assignor to The Albert Kircher Company, Chicago, Ill. Comminuting method. 2,345,779; Apr. 4.
Wagner, Joseph L., Keiser, H. J. Socoloskie, and W. A. Lustusky, Mount Carmel, Pa. Rail joint. 2,345,691; Apr. 4.
Waldron, Thomas A., Birmingham, England, assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Constant-velocity joint. 2,346,058; Apr. 4.
Wallingford, Vernon H., Ferguson, and A. H. Homeyer, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Carbalkoxylation of organic compounds. 2,346,059; Apr. 4.
Walton, Jesse S., Westfield, N. J., assignor to Standard Oil Development Company. Treating oils to produce antiknock gasolines or aromatic type liquids. 2,345,718; Apr. 4.
Wampner, Herbert L., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nongelling bronzing lacquer. 2,345,955; Apr. 4.
Wampner, Herbert L., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nonlivering coating composition. 2,345,956; Apr. 4.
Warrick, Halsted R., West Englewood, N. J., assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbons. 2,345,995; Apr. 4.
Watkins, Harold F., Oakland, Calif. Fruit juicing machine. 2,345,843; Apr. 4.
Weber, Jacob, Chicago, Ill., assignor to Cast Stone Institute, Washington, D. C. Light reflecting sign or marker. 2,345,644; Apr. 4.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,346,120; Apr. 4.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,346,121; Apr. 4.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Package checking device. 2,346,122; Apr. 4.
Weil, Herbert, Jr., assignor to Celomat Corp., New York, N. Y. Foldable plastic picture frame. 2,345,719; Apr. 4.
Weiss, Howard F., deceased, by N. E. Weiss, executrix, assignor, by mesne assignments, to Research Products Corporation, Madison, Wis. Resilient mesh material. 2,345,844; Apr. 4.
Weiss, Nelle E., executrix. (See Weiss, Howard F.)
Weissberger, Arnold. (See Porter, H. D., Weissberger, and Vittum.)
Weissberger, Arnold, and B. H. Carroll, assignors to Eastman Kodak Company, Rochester, N. Y. Chemical sensitizing of photographic emulsions. 2,346,095; Apr. 4.
Wells, Earl J., Comptche, Calif. Dial test indicator. 2,345,845; Apr. 4.
Wemp, Ernest E., Detroit, Mich. Driving axle. 2,345,846; Apr. 4.
Western Electric Company, Incorporated. (See Heffner, W. B., and Willenbruch, assignors.)
Western Union Telegraph Company, The. (See Pierson, Oscar E., assignor.)
Western Union Telegraph Company, The. (See Tolen, Virgil R., assignor.)
Westin, Axel. (See Westin, Sven and A.)
Westin, Sven, West Allis, and A. Westin, assignors to A. O. Smith Corporation, Milwaukee, Wis. Electrically forming tubes. 2,345,692; Apr. 4.
Westinghouse Electric & Manufacturing Company. (See Baker, B. P., and Rawlins, assignors.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chiles, John H., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, R. D., Marbury, and Monteith, assignors.)
Westinghouse Electric & Manufacturing Company. (See Evans, R. D., and Monteith, assignors.)
Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
Whipple, Ernest G., Stratford, Conn., assignor to Remington Arms Company, Inc. Projectile. 2,345,863; Apr. 4.
Whitaker, Clifford W., Fort Lewis, Wash. Film titler. 2,346,096; Apr. 4.
Whitfield, Joseph E., Hamilton, Ohio. Reversing valve. 2,345,780; Apr. 4.
Wickwire, Arthur M., Jr., Mountain Lakes, and A. P. Bamford, Milburn, N. J., assignors, by mesne assignments, to The Fred Goat Co., Inc., Brooklyn, N. Y. Stacking apparatus. 2,345,645; Apr. 4.
Wieczorek, Boleslaw J., Detroit, Mich. Tap and reamer wrench. 2,346,097; Apr. 4.
Wiedemann, Anthony J., Madison, N. J. Coin collector and amusement structure. 2,345,781; Apr. 4.
Wilkening Manufacturing Company. (See Engelhardt, Carl F., assignor.)
Willenbruch, Walter. (See Heffner, W. B., and Willenbruch.)
Willett, Leon E. (See Glaser, J. P., and Willett.)
Williams, Bradlee W. and H. S., assignors to Tech Equipment Company, Chicago, Ill. Cardiometric apparatus. 2,346,098; Apr. 4.
Williams, Homer S. (See Williams, Bradlee W. and H. S.)
Williams, Thomas H. (See Soderquist, L. E., and Williams.)
Williamson, Marshall I., New York, N. Y. Box, carton, or similar device. 2,345,646; Apr. 4.
Willson, Corwin D., Flint, Mich. Suspension system for vehicles. 2,346,123; Apr. 4.
Willson Products, Inc. (See McCormick, William E., assignor.)
Wilson, Frank, Boone, Iowa. Chain hook. 2,346,099; Apr. 4.
Wilson, Frederick E. and L. F., Buffalo, N. Y. Fluid pumping or feeding device. 2,345,693; Apr. 4.
Wilson, Harry. (See Lindsey, W. L., and Wilson.)
Wilson, Lawrence F. (See Wilson, Frederick E. and L. F.)
Wilson, Winfred E., Los Angeles, Calif. Plywood structure. 2,345,694; Apr. 4.
Winberg, Travis W., and R. A. Ames, Beaumont, Tex., assignors to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine unit. 2,345,782; Apr. 4.
Winge, Manford, Dawson, Minn. Moldboard adjuster. 2,345,720; Apr. 4.
Wingfoot Corporation. (See Harp, Dallas S., assignor.)
Wink, Edward C., Battle Creek, Mich., assignor to Oliver Farm Equipment Company. Reel locking device. 2,345,847; Apr. 4.
Winslow, Charles A., and L. L. Moore, assignors to Winslow Engineering Co., Oakland, Calif. Lubricant purifiers. 2,345,849; Apr. 4.
Winslow, Charles A., and L. L. Moore, assignors to Winslow Engineering Co., Oakland, Calif. Oil conditioner. 2,345,848; Apr. 4.
Winslow Engineering Co. (See Winslow, C. A., and Moore, assignors.)
Winther, Martin P., trustee. (See Winther, Martin P.)
Winther, Martin P., Waukegan, Ill., assignor to Martin P. Winther, as trustee. Cooling apparatus. 2,345,850; Apr. 4.
Winthrop Chemical Company. (See Salzer, W., and Henecka, assignors.)
Wirth, Armin, Zurich, Switzerland. Weighing apparatus or scale. 2,345,783; Apr. 4.

Wirth, Gustav, and H. Laudenklos, Leuna, Germany; vested in the Alien Property Custodian. Production of hydrocarbons. 2,345,957; Apr. 4.
Wisconsin Alumni Research Foundation. (See Stahmann, M. A., and Link, assignors.)
Witham, George S., Hudson Falls, N. Y. Paper making machine. 2,345,647; Apr. 4.
Wolcott, Frank E., West Hartford, Conn. Coaster. 2,345,784; Apr. 4.
Wolfskill, John M., assignor to Bliley Electric Company, Erie, Pa. Piezoelectric crystal apparatus. 2,345,648; Apr. 4.
Wood, Glenn D. (See Fields, F. D., and Wood.)
Woodbury, Stephen E., assignor to Reid Brothers Company, Inc., Beverly, Mass. Exhaust hood. 2,345,958; Apr. 4.
Woodworth, N. A., Company. (See Hohwart, George, assignor.)
Wright, Charles A., Philadelphia, Pa. Shear. 2,346,100; Apr. 4.
Wyandotte Chemicals Corporation. (See Smith, C. E., and Vaughn, assignors.)
Wyandotte Chemicals Corporation. (See Soderberg, P. W., assignor.)
Yeatman, Charles A., Los Angeles, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for setting well casings. 2,346,060; Apr. 4.
Zimmerman, Charles E., and J. F. Skold, Chicago, Ill., said Skold assignor to said Zimmerman. Brassière. 2,345,649; Apr. 4.
Zimmerman, Charles E. (See Zimmerman, C. E., and (Skold, assignor).)
Zimmerman, Gordon B., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion process. 2,345,785; Apr. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Lawn mower, High grass. J. A. Ronning. Re. 22,467; Apr. 4.
Lubricant. C. D. Kelso and L. W. Mixon. Re. 22,464; Apr. 4.
Record. R. W. Sears, II. Re. 22,468; Apr. 4.
Shaping members, method and apparatus for. W. P. Hill. Re. 22,465; Apr. 4.
Speed transmission, Variable. W. L. Pollard. Re. 22,466; Apr. 4.

LIST OF PLANT INVENTIONS

Gardenia plant. V. C. Kondo. 622; Apr. 4.

LIST OF DESIGN INVENTIONS

Airplane. B. G. Eaton, Jr. 137,610; Apr. 4.
Airplane. C. L. Eshelman. 137,628; Apr. 4.
Airplane. G. A. Page, Jr. 137,623; Apr. 4.
Ash tray or similar article. C. W. Gustkey. 137,613; Apr. 4.
Bracket, Switch. O. H. Kaminky. 137,614; Apr. 4.
Brush, Hair. F. H. Lotters. 137,616; Apr. 4.
Button, Covered eyelet. W. Novick. 137,584; Apr. 4.
Cabinet for electrical apparatus. S. L. Christie. 137,609; Apr. 4.
Cabinet, Radio. C. A. Peterson. 137,624; Apr. 4.
Chair. V. Harasty. 137,587; Apr. 4.
Clip or similar article, Mirror. W. G. Dieter. 137,591; Apr. 4.
Clock face. L. A. Du Rocher. 137,592; Apr. 4.
Closure unit, Emergency porthole. H. B. Cohen. 137,620; Apr. 4.
Clothespin. E. J. Lytle. 137,583; Apr. 4.
Coat. S. Beck. 137,627; Apr. 4.
Coat. A. Gruber. 137,581–2; Apr. 4.
Container, Separating. N. P. Miller. 137,617; Apr. 4.
Cutting tool. L. A. Smith. 137,607; Apr. 4.
Display board, Outdoor. R. M. Muecke. 137,604; Apr. 4.
Doll. T. V. Fulton. 137,593; Apr. 4.
Draft arm. S. D. Levings. 137,589; Apr. 4.
Dress. E. Wilkens. 137,630; Apr. 4.
Earring. R. D. Corke. 137,578; Apr. 4.
Electric fan and heater, Combined. L. B. Green. 137,596; Apr. 4.
Escutcheon plate for a radio receiver. C. A. Peterson. 137,625; Apr. 4.
Fastener, Fuze cap. F. H. Rolfes. 137,618; Apr. 4.
Fork or analogous article. M. H. Shulman. 137,606; Apr. 4.
Frame for an engine starter, Motor. R. M. Heintz. 137,629; Apr. 4.
Game board. J. I. Galantin. 137,594; Apr. 4.
Game device or similar article. E. S. Lowe. 137,601; Apr. 4.
Game unit or similar article. E. S. Lowe. 137,602; Apr. 4.
Goggles, Dog. J. E. Guernsey. 137,597; Apr. 4.
Handbag or similar article, Lady's. B. R. Brody. 137,619; Apr. 4.
Jumper, Woman's. M. Levitt. 137,599–600; Apr. 4.
Loudspeaker. S. N. S. Mee and F. J. Toone. 137,603; Apr. 4.
Medallion or similar article. M. J. Lewis. 137,615; Apr. 4.
Motor operated fluid pump and distributing device. R. Flanagan and M. L. Taylor. 137,612; Apr. 4.
Phonograph record holding spindle. W. J. Faulkner. 137,611; Apr. 4.
Pin or the like. S. Bee. 137,577; Apr. 4.
Plate or similar article. A. Duhrssen. 137,579; Apr. 4.
Plate or similar article. A. Duhrssen. 137,585–6; Apr. 4.
Poker chip or similar article. K. Tator and G. Holmgren. 137,608; Apr. 4.
Scaffold unit. L. A. Reiner. 137,605; Apr. 4.
Slip. S. Landau. 137,622; Apr. 4.
Stall unit, Milking parlor. H. B. Babson and C. A. Thomas. 137,590; Apr. 4.
Suit. A. Gruber. 137,580; Apr. 4.
Table. V. Harasty. 137,588; Apr. 4.
Toy wheelbarrow and rocker, Combination. L. A. Goodman and N. S. Levy. 137,595; Apr. 4.
Tray or similar article. L. L. Lesiak and J. H. Shows. 137,598; Apr. 4.
Truck, Linen. W. H. Adams. 137,626; Apr. 4.
Uniform or similar article. W. D. Kellar. 137,621; Apr. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. P. Spurlino, M. A. Goodbar, and M. D. Frost. 2,345,839; Apr. 4.
Acylaminohydroxydiphenyl couplers. H. D. Porter, A. Weissberger, and P. W. Vittum. 2,346,080; Apr. 4.
Aerial delivery container. W. L. Lindsey and H. Wilson. 2,345,609; Apr. 4.
Aerial delivery gun container. F. G. Manson and J. J. Maskey. 2,345,616; Apr. 4.
Aerial system. T. Douma. 2,345,735; Apr. 4.
Agricultural apparatus. R. H. Reed. 2,345,715; Apr. 4.
Aircraft landing gear. L. E. Cowey. 2,346,010; Apr. 4.
Air heating furnace. R. E. Fraser. 2,345,559; Apr. 4.
Air jacket, Ever-ready. V. Gerich. 2,346,019; Apr. 4.
Air outlet device. F. J. Kurth and F. Honerkamp. 2,345,938; Apr. 4.
Air scrubber. F. M. Randolph. 2,345,859; Apr. 4.
Alarm system. R. W. Reynolds. 2,345,771; Apr. 4.
Alumina gel catalysis. L. Heard, R. V. Shankland and J. C. Bailie. 2,345,600; Apr. 4.
Ammunition. W. S. Reynolds. 2,345,885; Apr. 4.
Ammunition priming composition. P. H. Burdett and G. M. Gordon. 2,345,868; Apr. 4.
Amusement apparatus. F. Mecchi. 2,345,855; Apr. 4.
Animal pen. E. G. Bate. 2,346,001; Apr. 4.
Antihalation protective layer. G. F. Nadeau and R. F. Miller. 2,346,078; Apr. 4.
Apparatus for cleaning oil. R. D. Boyce. 2,345,697; Apr. 4.
Apparatus for exhibiting motion picture film. W. C. Edwards. 2,345,869; Apr. 4.
Apparatus for forming characters on stencils. H. P. Elliott. 2,345,557; Apr. 4.
Apparatus for loading and transporting barrels and dispensing liquids therefrom. G. I. Harman and H. C. Kleppe. 2,345,669; Apr. 4.
Apparatus for oil purification. F. L. Gerin. 2,345,595; Apr. 4.
Apparatus for sealing containers. H. E. Stover. 2,346,118; Apr. 4.
Apparatus for television pickup from films. A. J. Holman. 2,345,602; Apr. 4.
Apparatus for treating cotton sweeps. W. Ockrant. 2,345,988; Apr. 4.
Apparatus for vaporizing liquified gases. T. Melsheimer. 2,346,112; Apr. 4.
Apparatus for verifying punchings or notchings in sheets. D. A. Nevin. 2,345,858; Apr. 4.
Arc device and controlling means for service at varying intensities, Enclosed. G. S. Sperti. 2,345,638; Apr. 4.
Arc welding. J. F. Lincoln and T. E. Jerabek. 2,345,758; Apr. 4.
Area measuring machine. J. L. Jones and J. W. Farmer. 2,346,031; Apr. 4.
Arrester, Spark. H. W. Gonia. 2,346,022; Apr. 4.
Article attaching machine. M. McCann. 2,345,943; Apr. 4.
Aryl-alicyclic fatty acid esters, The manufacture of. K. Hoffmann and L. Panizzon. 2,346,027; Apr. 4.
Attachment for pile driver. W. C. Collyer. 2,345,795; Apr. 4.
Automatic short circuiting device. J. H. Chiles, Jr. 2,345,584; Apr. 4.
Automatic window sash operating mechanism. C. C. Gardner. 2,345,594; Apr. 4.
Automobile recorder. J. F. Carloni. 2,345,657; Apr. 4.
Auxiliary telephone apparatus. C. S. Rhoads. 2,346,113; Apr. 4.
Axle, Driving. E. E. Wemp. 2,345,846; Apr. 4.
Azo compounds and material colored therewith. J. B. Dickey. 2,346,013; Apr. 4.
Baby cover. M. Friedman. 2,345,592; Apr. 4.
Back rest for chairs. F. D. Fields and G. D. Wood. 2,345,926; Apr. 4.
Barrel mounting. S. G. Green. 2,345,596; Apr. 4.
Bearing arrangement. W. H. Allen. 2,345,564; Apr. 4.
Bearing construction. F. T. Smith. 2,345,952; Apr. 4.
β-Norborneol and its ether, Preparing. H. A. Bruson. 2,345,573; Apr. 4.
Beverage dispensing apparatus. C. W. Strong. 2,345,840; Apr. 4.
Boat, Collapsible. B. F. Randrup. 2,346,081; Apr. 4.
Bomb aimers, Apparatus for training. A. P. Glenny. 2,345,744; Apr. 4.
Bonding of methacrylate polymers. R. E. Leary. 2,346,036; Apr. 4.
Boot assembly, Loading. C. C. Ottoson. 2,345,990; Apr. 4.
Bottle carrier. E. L. Arneson. 2,345,566; Apr. 4.
Bottle carrier. C. H. Goodyear. 2,345,746; Apr. 4.
Bottle holder. E. L. Arneson. 2,345,565; Apr. 4.
Bottle holder. E. L. Arneson. 2,345,567–8; Apr. 4.
Box: *See*—
Folding box.
Box, carton, or similar device. M. I. Williamson. 2,345,646; Apr. 4.
Box loader for cans. J. Albertoli. 2,345,560; Apr. 4.
Brake actuating system. S. Schnell. 2,345,634; Apr. 4.
Brassière. C. E. Zimmerman and J. F. Skold. 2,345,649; Apr. 4.
Breaking attachment for lister plows, Ground. A. J. Holder. 2,346,073; Apr. 4.
Breather for multiple glass sash. C. M. Verhagen. 2,345,643; Apr. 4.
Bridging plug. M. L. Hart. 2,345,873; Apr. 4.
Bridging plug device. M. L. Hart. 2,345,872; Apr. 4.
Bucket or receptacle for loading, hauling, and dumping apparatus. L. W. Brooks. 2,345,790; Apr. 4.
Bullet lubrication. W. A. Dew. 2,346,124; Apr. 4.
Burner: *See*—
Oil burner.
Cabinet for housing auxiliary electric equipment. H. E. Cann. 2,345,792; Apr. 4.
Cable sections, Uniting. F. O. Roberts. 2,345,631; Apr. 4.
Cakes, Production of coffee. LeC. Stiles. 2,345,637; Apr. 4.
Cam gearing. P. J. McLaren. 2,345,944; Apr. 4.
Cane, Pickup. W. H. Mason. 2,346,038; Apr. 4.
Cap for gasoline tank filler pipe. W. F. Clark and B. Jelinek. 2,345,916; Apr. 4.
Capping member. L. Manchan. 2,345,982; Apr. 4.
Capacitor for stability, Variable series. R. D. Evans and A. C. Monteith. 2,345,922; Apr. 4.
Car construction. W. A. Bierman and S. Simonson. 2,345,652; Apr. 4.
Carbalkoxylation of organic compounds. V. H. Wallingford. 2,346,059; Apr. 4.
Carburetor. G. R. Ericson and C. E. Markham. 2,346,016; Apr. 4.
Cardiometric apparatus. B. W. Williams and H. S. Williams. 2,346,098; Apr. 4.
Carrier: *See*—
Bottle carrier. Collapsible egg carrier.
Carton, Collapsible. C. B. Bishop. 2,346,003; Apr. 4.
Cartridge, Explosive. C. H. Bowman. 2,345,654; Apr. 4.
Casting machine, Typographical. J. H. Hilpman. 2,345,748; Apr. 4.
Catalysts, Manufacture of. J. D. Danforth. 2,346,012; Apr. 4.
Centrifugal clamp. L. B. Berg. 2,345,786; Apr. 4.
Chain hook. F. Wilson. 2,346,099; Apr. 4.
Chair: *See*—
Screed chair.
Chromanes and their production. W. John and P. Gunther. 2,345,605; Apr. 4.
Chuck, Multiple. P. J. Smith. 2,346,053; Apr. 4.
Circuit: *See*—
Hearing aid circuit. Pulse-counting circuit.
Noise limiter circuit.
Cigarette holder. A. Di Rubbio. 2,346,067; Apr. 4.
Circuit breaker. B. P. Baker and H. L. Rawlins. 2,345,724; Apr. 4.
Clamp: *See*—
Centrifugal clamp.
Clamp device. H. H. Helbush and E. L. Lipp. 2,345,817; Apr. 4.
Cleaner: *See*—
Fluid heater cleaner. Vacuum cleaner.
Cleaning machine. J. F. Malsbary and W. W. Taylor. 2,345,614; Apr. 4.
Cleaning pad. E. T. Cox. 2,345,730; Apr. 4.
Clip: *See*—
Hose or band clip. Shielded lock clip.
Clip loading machine. J. C. Garand. 2,345,593; Apr. 4.
Clutches of mechanically propelled vehicles, Actuating the. P. A. Scott-Iversen. 2,345,860; Apr. 4.
Coagulating bath containing cation-active inhibitors. R. S. Bley. 2,345,570; Apr. 4.
Coaster. F. E. Wolcott. 2,345,784; Apr. 4.
Coated object and making the same. N. K. Chaney. 2,345,583; Apr. 4.
Coating composition, Nonlivering. H. L. Wampner. 2,345,956; Apr. 4.
Coin-collector and amusement structure. A. J. Wiedemann. 2,345,781; Apr. 4.
Collapsible egg carrier. F. Guszmann. 2,346,025; Apr. 4.
Comminuting method. H. H. Wagner. 2,345,779; Apr. 4.
Compressor for piston rings and the like. R. G. Dean. 2,345,555; Apr. 4.
Compressor system. C. A. Corson. 2,345,797; Apr. 4.
Conductor core for wire ropes and manufacture. J. C. Arnold. 2,345,864; Apr. 4.

Conductor laying machine. A. E. Freeman. 2,345,929; Apr. 4.
Connection for elements of a rotatable unit. C. C. Fawcett. 2,345,910; Apr. 4.
Connector: *See*—
Electrical connector. Timber connector.
Constant-velocity joint. T. A. Waldron. 2,346,058; Apr. 4.
Contacting apparatus. K. H. Hachmuth. 2,345,667; Apr. 4.
Container: *See*—
Aerial delivery container.
Aerial delivery gun container.
Container for tobacco, cigarettes, and pipe cleaners and the like articles. N. Sevastopulos. 2,336,087; Apr. 4.
Containers, Sealing. J. E. Rothrock. 2,345,887; Apr. 4.
Contour separable fastener. L. H. Morin. 2,345,880; Apr. 4.
Control device for photographic cameras. D. L. Babcock. 2,345,999; Apr. 4.
Control device for ringless yarn carrier attachments. H. E. Haehnel. 2,346,105; Apr. 4.
Control device for tabs and the like, Multiple. R. D. Johnson. 2,346,030; Apr. 4.
Control means, Condition. C. G. Kronmiller. 2,345,981; Apr. 4.
Control mechanism. R. B. Foster. 2,345,928; Apr. 4.
Control mechanism for automatic phonographs. J. H. Pressley. 2,345,684; Apr. 4.
Control to avoid hunting, Series-capacitor. R. D. Evans. 2,345,923; Apr. 4.
Controlling apparatus. M. E. Gates. 2,345,931; Apr. 4.
Cooling apparatus. M. P. Winther. 2,345,850; Apr. 4.
Coring apparatus. G. H. Fisher. 2,345,739; Apr. 4.
Cover: *See*—
Baby cover.
Crystalline polymeric material, Embossing. J. H. Reilly. 2,345,629; Apr. 4.
Cultivator. C. S. Noble. 2,345,702; Apr. 4.
Cultivator, Tractor. G. R. Foulke, Jr. 2,345,741; Apr. 4.
Cup, Condenser. L. T. Conde. 2,345,963; Apr. 4.
Cup to be used as cap for thermos bottles. G. A. F. Kohrtz. 2,345,876; Apr. 4.
Cushioning means. C. O. Ballou. 2,345,552; Apr. 4.
Cutter manufacture. M. B. Mentley and D. D. Austin. 2,345,986; Apr. 4.
Cutting ferrous metal bar stock, Method and apparatus for. G. H. Smith. 2,345,688; Apr. 4.
Cutting machine. F. H. Ogden. 2,346,046; Apr. 4.
Cylinder grinding tool. C. A. Fulmer. 2,345,930; Apr. 4.
Deep well pump jack. R. A. Henricks. 2,346,026; Apr. 4.
Deflecting tool. L. C. Miller. 2,345,766; Apr. 4.
Dehydrating dialkyl aryl carbinols. R. C. Palmer and C. H. Bibb. 2,345,625; Apr. 4.
Detergent composition, Sodium silicate. P. W. Soderberg. 2,345,776; Apr. 4.
Device for collecting electric current. J. T. Serduke. 2,345,835; Apr. 4.
Dial damper regulator. E. Anderson. 2,345,997; Apr. 4.
Dial test indicator. E. J. Wells. 2,345,845; Apr. 4.
Dialkoxy stilbenes, Producing. E. Rohrmann. 2,346,048–9; Apr. 4.
Di-esters of 3,3'-methylenebis(4-hydroxy-coumarin), and making them. M. A. Stahmann and K. P. Link. 2,345,635; Apr. 4.
Diolefinic hydrocarbons, Production of. V. N. Ipatieff. 2,345,751; Apr. 4.
Dispensing receptacle. E. H. Fabrice. 2,345,737; Apr. 4.
Display standard, Two-way. R. B. Bishop. 2,345,913; Apr. 4.
Drive assembly, reversing accessory. J. W. Kinnucan. 2,346,032; Apr. 4.
Drive, Hydraulic. R. E. Davis. 2,345,919; Apr. 4.
Drive, Hydraulic. J. K. Douglas. 2,345,920; Apr. 4.
Dry shaving device. M. Andis. 2,345,695; Apr. 4.
Electric discharge lamp and starting device. H. J. McCarthy. 2,346,109; Apr. 4.
Electric treadle. R. D. Conklin. 2,346,009; Apr. 4.
Electrical connector. W. B. Heffner and W. Willenbruch. 2,345,671; Apr. 4.
Electrical drive, Variable speed. G. H. Gibson. 2,345,805; Apr. 4.
Electrical timing apparatus. A. B. Newton. 2,346,079; Apr. 4.
Electrically forming tubes. S. and A. Westin. 2,345,692; Apr. 4.
Electrically forming tubular shape. W. C. Heath. 2,345,670; Apr. 4.
Electrode, Self-aligning. E. I. Shobert, II. 2,346,088; Apr. 4.
Electron discharge tube structure. G. P. Chevigny. 2,345,794; Apr. 4.
Emergency telephone system. C. S. Rhoads. 2,346,115; Apr. 4.
Engine: *See*—
Internal combustion engine.
Engine starter gearing. J. E. Buxton. 2,345,791; Apr. 4.
Envelope, File folder. W. R. Chapel. 2,345,793; Apr. 4.
Etching process. J. J. Ormond. 2,345,989; Apr. 4.
Exchanger, Heat. A. Y. Gunter. 2,346,104; Apr. 4.
Exhibitor, Changeable. L. Lobdell. 2,345,709; Apr. 4.
Explosion-proof switch housing. R. F. Lester. 2,345,757; Apr. 4.
Explosive composition. C. H. Carey. 2,345,582; Apr. 4.
Explosives, Making granulated. W. O. Snelling. 2,346,116; Apr. 4.
Extractor: *See*—
Fruit juice extractor.
Farm gate. N. T. MacKenzie. 2,346,110; Apr. 4.
Fastener: *See*—
Contour separable fastener.
Sliding clasp fastener.
Fat-forming molds, Cultivation of. H. Damm. 2,346,011; Apr. 4.
Fat-soluble vitamin-bearing materials, Refining and stabilizing. L. O. Buxton. 2,345,960; Apr. 4.
Feed for woodworking machines. C. G. Joa. 2,345,937; Apr. 4.
Fence, Aerial. A. Berman. 2,345,550; Apr. 4.
Fence, Picket. N. T. MacKenzie. 2,346,111; Apr. 4.
Fertilizer attachment. C. H. Gemberling and R. J. Altgelt. 2,345,804; Apr. 4.
Filling machine. W. McK. Martin. 2,345,617; Apr. 4.
Filling machine. A. R. Thompson. 2,346,056; Apr. 4.
Film advancing assembly. A. B. Fuller. 2,346,070; Apr. 4.
Film developing apparatus. H. Neuwirth. 2,345,682; Apr. 4.
Film handling apparatus. R. S. Hopkins. 2,346,074; Apr. 4.
Film spool. J. Mihalyi. 2,346,075; Apr. 4.
Film titler. C. W. Whitaker. 2,346,096; Apr. 4.
Filter: *See*—
Oil filter.
Fire extinguisher. C. H. Lindsay. 2,345,759; Apr. 4.
Fishing tool. F. R. Burch. 2,345,727; Apr. 4.
Flock-coated die. R. E. Leary. 2,345,939; Apr. 4.
Flow control T. L. N. Boosey. 2,345,787; Apr. 4.
Fluid heater cleaner. C. L. Howse and W. J. Fitzburgh. 2,345,672; Apr. 4.
Fluid pump. G. T. Downey. 2,346,014; Apr. 4.
Fluid pumping or feeding device. F. E. and L. F. Wilson. 2,345,693; Apr. 4.
Flushing mechanism, Toilet. V. M. Gonzales and J. A. Morales. 2,345,807; Apr. 4.
Foldable plastic picture frame. H. Weil, Jr. 2,345,719; Apr. 4.
Folding box. R. J. Gruenberg and E. L. Stern. 2,345,810; Apr. 4.
Foot correction. J. J. Kohn. 2,345,820; Apr. 4.
Formations, Plugging. W. B. Lerch, C. H. Mathis, and E. J. Gatchell. 2,345,611; Apr. 4.
Frame: *See*—
Foldable plastic picture frame.
Fruit juice extractor. W. E. Coyle. 2,345,731; Apr. 4.
Fruit juicing machine. H. F. Watkins. 2,345,843; Apr. 4.
Fumigant support and fumigant. W. R. Kohl. 2,345,755; Apr. 4.
Furnace: *See*—
Air heating furnace.
Furnace construction. M. Rosen. 2,346,050; Apr. 4.
Furniture, Convertible. A. R. Paladino. 2,345,624; Apr. 4.
Fuse. E. J. McCormick. 2,345,618; Apr. 4.
Garment. G. Riedl. 2,346,082; Apr. 4.
Garment support. M. L. Goldbert. 2,345,745; Apr. 4.
Gas detecting apparatus. M. M. Robertson and R. R. Douglas. 2,345,772; Apr. 4.
Gas regulator. Single port pressure balanced. G. T. Macbeth. 2,345,824; Apr. 4.
Gas tank lock. S. Greenberg. 2,345,809; Apr. 4.
Gases, Method and apparatus for the treatment of. G. L. Simpson. 2,345,774; Apr. 4.
Gasket, Refrigerator. D. H. Gaston. 2,345,743; Apr. 4.
Gasoline manufacture. F. E. Frey. 2,345,802; Apr. 4.
Gasoline of low gum-forming tendency, Preparing. R. E. Burk and E. C. Hughes. 2,345,575; Apr. 4.
Gate: *See*—
Farm gate.
Gauge: *See*—
Micrometer master gauge. Vernier height gauge.
Gauge. G. Hohwart. 2,345,750; Apr. 4.
Gauging device. F. G. Du Pont and L. V. Barker. 2,345,867; Apr. 4.
Gauging device for setting snap fasteners. J. P. Treciokas and E. H. MacCoul. 2,345,640; Apr. 4.
Gear: *See*—
Aircraft landing gear.
Gelatine sheets, Forming. A. W. Kath. 2,345,674; Apr. 4.
Generator: *See*—
Impulse generator. Ozone generator.
Geophysical prospecting. F. W. Lee. 2,345,608; Apr. 4.
Glass, Sight. F. A. Talbot. 2,345,889; Apr. 4.
Grid construction. V. H. Van Sant. 2,345,641; Apr. 4.
Gripping device. R. G. Jackson. 2,345,604; Apr. 4.
Groove adjuster and sash retainer, Weatherstrip. J. P. Glaser and L. E. Willett. 2,345,806; Apr. 4.
Gun barrel lock. H. Schirokauer. 2,345,833; Apr. 4.
Gun handle. G. Hohwart. 2,345,749; Apr. 4.
Gun mechanism, Automatic. H. A. Elane. 2,345,736; Apr. 4.

Gun mount. A. C. Hake. 2,345,747; Apr. 4.
Gun turret. C. G. Fogle. 2,345,740; Apr. 4.
Halo-nitro-alkanes, Production of. H. Dreyfus. 2,345,701; Apr. 4.
Hammer, Hydraulically operated drop. R. L. Alcorn, Jr. 2,345,563; Apr. 4.
Hand-operated boat hoist. E. B. Thompson. 2,346,119; Apr. 4.
Handle: *See*—
Gun handle.
Handle assembly. L. R. Rhein. 2,345,685; Apr. 4.
Hanger: *See*—
Liner hanger.
Harrow, Disk. C. H. Gemberling. 2,345,803; Apr. 4.
Harvester, Green hay. C. E. Everett. 2,346,103; Apr. 4.
Hearing aid circuit. S. F. Lybarger. 2,345,761; Apr. 4.
Heater support. E. R. Koppel. 1,345,677; Apr. 4.
High frequency tube structure. S. F. and R. H. Varian. 2,345,642; Apr. 4.
Hinge members, Making. S. B. Atwood. 2,345,562; Apr. 4.
Holder: *See*—
Bottle holder. Carrier holder.
Holder for sifter-top cans. B. F., E. F., W. S., and C. O. Hamilton. 2,345,971; Apr. 4.
Hollow walled carton. M. A. Smith. 2,345,716; Apr. 4.
Hood, Exhaust. S. E. Woodbury. 2,345,958; Apr. 4.
Hook: *See*—
Chain hook.
Hose or band clip. E. T. Pritchard. 2,345,832; Apr. 4.
Humidifier. F. C. Doughman. 2,345,658; Apr. 4.
Hydraulic brake automatic adjuster. D. S. Harp. 2,345,811; Apr. 4.
Hydraulic drilling apparatus. R. R. Hays. 2,345,816; Apr. 4.
Hydraulic fluid. J. M. Clark and R. E. Van Deventer. 2,345,585; Apr. 4.
Hydraulic fluid. J. M. Clark. 2,345,586; Apr. 4.
Hydrocarbon conversion process. G. B. Zimmerman. 2,345,785; Apr. 4.
Hydrocarbons, Conversion of. H. R. Warrick. 2,345,995; Apr. 4.
Hydrocarbons, Manufacture of liquid. W. Kroenig. 2,345,877; Apr. 4.
Hydrocarbons, Production of. G. Wirth and H. Laudenklos. 2,345,957; Apr. 4.
Hydrochloric acid, Purification of. A. F. Benning, F. B. Downing, and R. J. Plunkett. 2,345,696; Apr. 4.
Ice-cubing device. H. H. Lamar. 2,345,678; Apr. 4.
Ignition device. E. A. Vogel. 2,346,094; Apr. 4.
Illuminated glob mounting. R. R. Dupler. 2,345,800; Apr. 4.
Impulse generator. C. E. Hallmark. 2,345,668; Apr. 4.
Incinerator. A. E. Stilson. 2,346,054; Apr. 4.
Indicating tabs to address-printing devices, Machine for and method of applying. H. P. Elliott. 2,345,965; Apr. 4.
Indicator: *See*—
Sonic depth indicator.
Indicator for cranes, Overload and radius. J. C. Conrad. 2,346,066; Apr. 4.
Injection molding of plastics. R. T. Coffman. 2,345,917; Apr. 4.
Inking mechanism for duplicating machines. M. P. Neal. 2,345,681; Apr. 4.
Insecticides, Synergists to aerosol. W. N. Sullivan and L. D. Goodhue. 2,345,891–909; Apr. 4.
Instant unloading press and dehydrator. J. P. McGlaughlin, Sr. 2,345,983; Apr. 4.
Instrument, Directional Gyro. B. G. Carlson. 2,345,915; Apr. 4.
Insulating material, Preparing. L. B. Miller. 2,345,878; Apr. 4.
Internal combustion engine. R. A. B. Allen, Jr. 2,345,561; Apr. 4.
Internal combustion engine. C. R. Flint. 2,345,569; Apr. 4.
Internal combustion engine. E. H. Godfrey. 2,346,021; Apr. 4.
Jack: *See*—
Deep well pump jack.
Jacklike support for loading, hauling, and dumping apparatus. L. W. Brooks. 2,345,789; Apr. 4.
Joint: *See*—
Constant-velocity joint. Rail joint.
Juice extracting machine. H. M. Owens. 2,345,683; Apr. 4.
Kit, Sewing. H. Stern. 2,345,994; Apr. 4.
Knitting machine and method. O. Fregeolle and I. H. C. Green. 2,345,664; Apr. 4.
Knitting machine, Circular. T. C. Bromley and A. Shortland. 2,345,698; Apr. 4.
Lacquer, Nongelling bronzing. H. L. Wampner. 2,345,955; Apr. 4.
Lathe attachment. E. du B. Lukis. 2,345,613; Apr. 4.
Launching rig, Multiple weight aerial delivery container. F. G. Manson and J. J. Maskey. 2,345,615; Apr. 4.
Lead chamber, Water-cooled. A. M. Fairlie. 2,345,661; Apr. 4.
Lens. F. E. Altman. 2,346,062; Apr. 4.
Lift flow device, Differential stage. A. Boynton. 2,345,865; Apr. 4.
Liner hanger. B. H. Scott. 2,345,888; Apr. 4.
Lock: *See*—
Gas tank lock. Gun barrel lock.
Lock slider, Automatic. R. G. Plumley. 2,345,883; Apr. 4.
Locking device. R. W. Robbins. 2,345,949; Apr. 4.
Locomotive cab window. J. P. Goebel. 2,345,703; Apr. 4.
Lubrication of internal combustion engines. E. D. Jones and L. N. Murphy. 2,345,606; Apr. 4.
Lupulin, Extracting. J. M. Schorr. 2,345,773; Apr. 4.
Luting composition. C. L. Hartsell and A. D. Covert. 2,345,598; Apr. 4.
Machine tool. H. J. Caldwell. 2,345,581; Apr. 4.
Magnesium sulphate from magnesium-bearing rocks. H. R. Brandenburg. 2,345,655; Apr. 4.
Manipulator. E. E. Brosius. 2,345,572; Apr. 4.
Material blending. P. H. Burdett. 2,345,554; Apr. 4.
Material-handling apparatus. R. A. Foresman. 2,346,068; Apr. 4.
Mattresses, Manufacture of. H. Kibitz. 2,345,675; Apr. 4.
Measuring apparatus. J. M. Davies and H. A. Schultz. 2,345,732; Apr. 4.
Measuring apparatus. K. E. Gould. 2,345,932; Apr. 4.
Measuring flow characteristics in liquids, Method of and apparatus for. H. Green. 2,345,968; Apr. 4.
Mechanism for treating freshly printed webs. C. Holsinger. 2,345,874; Apr. 4.
Mechanism, Preselecting. K. D. Bull. 2,345,726; Apr. 4.
Mercaptan, Unsaturated. M. de Simó and J. J. O'Connor. 2,346,102; Apr. 4.
Metal cyanates, Recovery of alkali. H. R. Neumark. 2,345,826; Apr. 4.
Meter for indicating use of respirator filter canisters, Resettable. W. E. McCormick. 2,346,037; Apr. 4.
Micrometer master gauge. J. R. Frederick. 2,345,591; Apr. 4.
Milking apparatus. T. H. and W. B. Kirk. 2,345,819; Apr. 4.
Mimeographer. B. Gold. 2,346,023; Apr. 4.
Mineral oils, Stabilization of. L. O. Buxton. 2,345,580; Apr. 4.
Modulation amplifier and modulator. C. N. Gillespie, Jr. 2,346,020; Apr. 4.
Moldboard adjuster. M. Winge. 2,345,720; Apr. 4.
Molding form. J. P. Leising. 2,345,707; Apr. 4.
Molding hollow bodies. A. M. Howald and L. S. Meyer. 2,345,977; Apr. 4.
Motion picture projection apparatus. R. R. Kelley. 2,345,818; Apr. 4.
Motion picture projector supporting means, Double-headed. J. Adorno. 2,345,911; Apr. 4.
Motor: *See*—
Spring motor
Motor control, Remote. J. A. van Lammeren and W. H. van der Mey. 2,345,778; Apr. 4.
Motor fuels, Stabilization of. L. O. Buxton. 2,345,579; Apr. 4.
Motor vehicle. J. L. Hardy. 2,345,972; Apr. 4.
Mounting: *See*—
Barrel mounting.
Illuminated globe mounting.
Noise eliminator. J. E. Valentine. 2,345,842; Apr. 4.
Noise limiter circuit. C. C. Martinelli. 2,345,762; Apr. 4.
Nozzle. W. R. Harriman. 2,345,813; Apr. 4.
Nozzle. W. R. Harriman and H. Foster. 2,345,812; Apr. 4.
Nozzle for hollow glassware, Cooling. T. D. Green. 2,345,808; Apr. 4.
Nucleated hydrocarbons and synthesizing them. J. H. James. 2,345,704; Apr. 4.
Oil burner. W. H. Link. 2,345,823; Apr. 4.
Oil conditioner. C. A. Winslow and L. L. Moore. 2,345,848; Apr. 4.
Oil filter. L. D. Fulton. 2,346,018; Apr. 4.
Oil reclaimer, Lubricating. B. Morris. 2,346,042; Apr. 4.
Oil saver and rod stripper. B. A. Harroun. 2,345,815; Apr. 4.
Oil seal. H. M. Dodge. 2,345,588; Apr. 4.
Oil wells, Improving. T. V. Moore and G. E. Cannon. 2,345,713; Apr. 4.
Oils, Catalytic conversion of hydrocarbon. I. H. Kinneberg. 2,345,753; Apr. 4.
Oils as antistatic lubricants, Self-emulsifying phosphated and phosphited. J. B. Dickey and J. G. McNally. 2,345,734; Apr. 4.
Oils, Cracking hydrocarbon. L. de Florez and J. W. Gray. 2,345,558; Apr. 4.
Operating on insoles, Method of and machine for. H. C. Paulsen. 2,345,627; Apr. 4.
Optical device to reduce glare. A. N. Somers. 2,345,777; Apr. 4.
Optical instrument and making same. A. H. Bennett and R. S. Estey. 2,346,002; Apr. 4.
Ore, Open hearth charging. H. M. Kraner. 2,346,034; Apr. 4.
Organic Materials, Stabilization of oxidizable. L. O. Buxton. 2,345,578; Apr. 4.
Ornament or insigne, Detachable. N. A. Doerr. 2,345,556; Apr. 4.
Oscillation modulator. M. E. Mohr. 2,345,712; Apr. 4.
Ozone generator. J. M. Daily. 2,345,798; Apr. 4.
Package. O. H. Huitin. 2,345,978; Apr. 4.

Package checking device. M. A. Weckerly. 2,346,122; Apr. 4.
Package, Cigarette. M. A. Hannigan. 2,346,106; Apr. 4.
Pad: *See*—
Cleaning pad.
Paintbrush. H. A. Rishel. 2,345,991; Apr. 4.
Painting machine. H. V. Schweitzer. 2,345,834; Apr. 4.
Paper for photographic purposes, Manufacture of. H. R. Clark. 2,346,008; Apr. 4.
Paper making machine. G. S. Witham. 2,345,647; Apr. 4.
Paste, Textile printing. M. C. Moore. 2,345,879; Apr. 4.
Permeability measurements, Method and apparatus for. G. L. Hassler. 2,345,935; Apr. 4.
Phase control in electrical transmission. E. I. Green and N. Monk. 2,345,933; Apr. 4.
Phenol-rubber containing composition. J. Harmon. 2,345,597; Apr. 4.
Phonographic apparatus. E. C. Guedon. 2,346,071; Apr. 4.
Phosphoric esters of phenols, Manufacture of. U. V. Solmssen. 2,345,690; Apr. 4.
Photographic bleach-out layer. H. C. Staehle. 2,346,090; Apr. 4.
Photographic emulsions, Chemical sensitizing of. A. Weissberger and B. H. Carroll. 2,346,095; Apr. 4.
Photographic emulsions, Production of neutral tones in. B. H. Carroll and C. J. Staud. 2,346,065; Apr. 4.
Photographic images, Toning. H. A. Miller. 2,346,077; Apr. 4.
Photographic objective. F. E. Altman. 2,346,061; Apr. 4.
Photographic objective. W. Schade and K. Tolle. 2,346,086; Apr. 4.
Piezoelectric crystal apparatus. J. M. Wolfskill. 2,345,648; Apr. 4.
Pigments, Production of titanium oxide. H. M. Stark and J. L. Keats. 2,346,091; Apr. 4.
Pipe and other coupling. L. M. C. Seamark. 2,346,051; Apr. 4.
Pipe fabricating machine. G. R. Newlon. 2,346,045; Apr. 4.
Pipe-line leak detecting method. K. J. Mysels. 2,346,043; Apr. 4.
Piston ring. C. F. Engelhardt. 2,345,589; Apr. 4.
Pitch control, Propeller reversing. C. W. Chillson. 2,346,007; Apr. 4.
Plant, Gasoline. L. S. Gregory. 2,345,934; Apr. 4.
Plant watering apparatus. H. Y. Jennings. 2,346,029; Apr. 4.
Plastic coatings, Process and apparatus for curing. E. M. Bright. 2,346,101; Apr. 4.
Plastic methyl methacrylate. W. S. Johnson. 2,346,107; Plug: *See*—
Bridging plug.
Plywood structure. W. E. Wilson. 2,345,694; Apr. 4.
Pocket spray device. S. L. Margolies. 2,345,853–4; Apr. 4.
Pole, Vehicle or implement. W. L. Braley. 2,346,064; Apr. 4.
Polyamides. E. A. Robinson and M. J. Kelley. 2,345,632; Apr. 4.
Poly-disperse system. J. D. Robinson and F. J. Myers. 2,346,083; Apr. 4.
Polymer substances, Treatment of. L. B. Turner. 2,345,717; Apr. 4.
Polymerizing unsaturated hydrocarbons. R. E. Burk. 2,345,574; Apr. 4.
Polymerizing vinyl chlorid. A. W. Downes. 2,345,659; Apr. 4.
Polymerizing vinyl compounds. A. W. Downes and J. H. Kernan. 2,345,660; Apr. 4.
Polymers, Production and/or treatment of. H. Dreyfus. 2,345,700; Apr. 4.
Porous wood, Mechanical filling of. E. A. Lehman. 2,345,941; Apr. 4.
Portable trackage system. A. Kurnit. 2,345,706; Apr. 4.
Positioning means. H. L. Pierson. 2,345,830; Apr. 4.
Power plant, Thermal. F. Salzmann. 2,345,950; Apr. 4.
Preparation of polyvinyl acetal resins. S. C. Overbaugh. 2,345,946; Apr. 4.
Pressure vaporizer. H. R. Rich. 2,345,687; Apr. 4.
Primer. G. E. Franck. 2,345,663; Apr. 4.
Process. R. H. Gardner. 2,345,742; Apr. 4.
Production of silage. S. B. Haskell and E. W. Harver. 2,346,072; Apr. 4.
Propectile. W. T. Moore. 2,345,619; Apr. 4.
Propectile. E. G. Whipple. 2,345,863; Apr. 4.
Pulse-counting circuit. E. B. Ferrell. 2,345,925; Apr. 4.
Pump: *See*—
Fluid pump.
Pump or motor, Power transmission. K. R. Herman. 2,345,975; Apr. 4.
Purifier, Lubricant. C. A. Winslow and L. L. Moore. 2,345,849; Apr. 4.
Pyridine-4.5-dicarboxylic acid compounds, Manufacture of. W. Salzer and H. Henecka. 2,345,633; Apr. 4.
Radio relay control system. J. E. Smith. 2,345,951; Apr. 4.
Radius and tangential surface grinding wheel dresser. S. J. Kopec. 2,345,821; Apr. 4.
Rail joint. J. L. Wagner, H. J. Socoloskie, and W. A. Lustusky. 2,345,691; Apr. 4.
Razor blades, Packaging. R. Nadeau. 2,346,044; Apr. 4.
Receiver, Telemetering. R. G. Jewell. 2,345,936; Apr. 4.
Receptacle: *See*—
Dispensing receptacle.
Record elements, Marking. W. J. Opocensky. 2,345,829; Apr. 4.
Record filing apparatus. H. S. Johns. 2,345,673; Apr. 4.
Reel locking device. E. C. Wink. 2,345,847; Apr. 4.
Refining fatty materials. L. O. Buxton. 2,345,577; Apr. 4.
Refrigerating system. E. O. Errath. 2,346,017; Apr. 4.
Refrigerating apparatus. M. J. Goulooze. 2,345,665; Apr. 4.
Refrigerating apparatus. L. A. Philipp. 2,345,714; Apr. 4.
Refrigeration. F. R. Bichowsky. 2,345,651; Apr. 4.
Regional analgesia, Apparatus for. N. R. James and H. A. Talley. 2,345,875; Apr. 4.
Regulator: *See*—
Dial damper regulator. Gas regulator.
Repeater, Telegraph. V. R. Tolen. 2,345,953; Apr. 4.
Residual hydrocarbon treatment. E. J. Houdry and H. P. Broom. 2,345,603; Apr. 4.
Resilient mesh material. H. F. Weiss. 2,345,844; Apr. 4.
Resin of the coumarone indene type, Producing. E. L. Cline. 2,345,962; Apr. 4.
Resinous composition. F. G. Pellett. 2,345,948; Apr. 4.
Resins from furane derivatives, Production of. E. F. Fiedler and G. D. Holmberg. 2,345,966; Apr. 4.
Retractable core head. J. M. Camp. 2,345,699; Apr. 4.
Reversing valve. J. E. Whitfield. 2,345,780; Apr. 4.
Ring: *See*—
Piston ring.
Right-of-way telephone system. C. S. Rhoads. 2,346,114; Apr. 4.
Road marking device. P. Blumberg. 2,345,653; Apr. 4.
Rocker arm. J. M. Leake. 2,345,822; Apr. 4.
Runway, Bowling ball return. E. W. Discher. 2,345,964; Apr. 4.
Sauerkraut, Producing and storing. W. H. Harrison. 2,345,814; Apr. 4.
Scaffold, Circular. W. M. Jordan. 2,346,033; Apr. 4.
Scale, Weighing. D. B. Kendall. 2,346,108; Apr. 4.
Scale, Weighing. H. P. Stabler. 2,346,117; Apr. 4.
Scale, Weighing. M. A. Weckerly. 2,346,120–1; Apr. 4.
Scraper, Fish. N. Kaplan. 2,345,607; Apr. 4.
Screed chair. B. Hillberg. 2,345,976; Apr. 4.
Screen and storm window. C. Rick. 2,345,886; Apr. 4.
Screening apparatus. W. J. Parks. 2,345,947; Apr. 4.
Screw and similar machine. C. A. Rich and W. E. Twamley. 2,345,686; Apr. 4.
Scroll strip and forming same. P. E. Pearson. 2,345,882; Apr. 4.
Seal, Shackle. S. M. Moberg. 2,345,767; Apr. 4.
Seat. G. W. Hamel. 2,345,970; Apr. 4.
Seed gathering attachment for farm implements. H. O. Halley and R. B. Thompson. 2,345,969; Apr. 4.
Separator: *See*—
Vortex separator.
Separator and gate therefor. H. W. Brentz. 2,345,866; Apr. 4.
Series-capacitor single-pole switching. R. D. Evans. 2,345,924; Apr. 4.
Sewage treatment. H. L. Olin. 2,345,828; Apr. 4.
Sewing machine. G. Sauer. 2,345,992; Apr. 4.
Shaver, Motorized. Q. E. Conner. 2,345,796; Apr. 4.
Shear. C. A. Wright. 2,346,100; Apr. 4.
Sheet material to presses or the like, Delivering. A. and E. A. Calleson. 2,345,656; Apr. 4.
Shielded lock clip. T. Nelson. 2,345,768; Apr. 4.
Shirt. R. M. May. 2,345,764; Apr. 4.
Shoe. W. P. Field. 2,345,738; Apr. 4.
Shoe and outsole therefor. F. F. Audino. 2,345,551; Apr. 4.
Shoe sole and making the same. H. L. Pierson. 2,345,831; Apr. 4.
Shot shell sealing. C. M. Langkammerer. 2,345,852; Apr. 4.
Shroud structures, Making. H. P. Dahlstrand. 2,345,918; Apr. 4.
Sight, Firearm. H. A. Brown and C. H. Barnes. 2,345,553; Apr. 4.
Sight for firearms, Day and night. C. B. Ferrel. 2,345,801; Apr. 4.
Sign, Combination animated day and night. M. Apuzzo. 2,345,998; Apr. 4.
Sign or marker, Light reflecting. J. Weber. 2,345,644; Apr. 4.
Signal translating apparatus. L. J. Anderson and A. H. Kettler. 2,345,996; Apr. 4.
Signaling system. J. W. Ivey and W. D. Owens. 2,345,979; Apr. 4.
Signaling system. C. G. Miller. 2,345,825; Apr. 4.
Signaling system, Dial controlled. J. T. Neiswinter. 2,345,987; Apr. 4.
Skeletonized structure. C. W. Attwood. 2,345,650; Apr. 4.
Skip hoist. G. Fox, O. C. Callow, and C. G. Bigelow. 2,345,662; Apr. 4.
Slicing machine unit. T. W. Winberg and R. A. Ames. 2,345,782; Apr. 4.
Sliding clasp fastener. R. Goldner. 2,346,024; Apr. 4.
Slip. E. Summers. 2,345,841; Apr. 4.
Slug vending machine. J. B. Bocanegra. 2,346,004; Apr. 4.

Smoke filter for tobacco pipes. S. Klugherz. 2,345,676; Apr. 4.
Solvent extracting apparatus. E. C. Pattee. 2,345,626; Apr. 4.
Sonic depth indicator. W. A. Tolson. 2,346,093; Apr. 4.
Speed belt drive, Variable. L. B. Huthsing and C. M. Gregory. 2,346,028; Apr. 4.
Spongelike or cellular rubber, Manufacture of goods of or containing. S. D. Taylor and D. W. Pounder. 2,346,055; Apr. 4.
Spring: *See*—
Vehicle spring.
Spring motor. G. Vigneri. 2,345,954; Apr. 4.
Stability with quickly restored protected series capacitors. R. D. Evans, R. E. Marbury, and A. C. Monteith. 2,345,590; Apr. 4.
Stacking apparatus. A. M. Wickwire, Jr., and A. P. Bamford. 2,345,645; Apr. 4.
Step construction for embroidery machines. A. Majorie. 2,345,680; Apr. 4.
Sterilizer. E. E. Allstatter. 2,345,721; Apr. 4.
Sterol compound and obtaining the same. R. E. Marker. 2,345,711; Apr. 4.
Stilbene derivatives. H. J. Barber. 2,346,000; Apr. 4.
Stocking top and knitting. I. H. C. Green and E. St. Pierre. 2,345,666; Apr. 4.
Stop means for textile machines. C. B. Hayes. 2,345,599; Apr. 4.
Strip material, Handling. J. La Marca. 2,345,756; Apr. 4.
Stripper for shell drawing dies. L. S. Newell. 2,345,857; Apr. 4.
Subgrader. W. H. Lewis. 2,345,612; Apr. 4.
Substances, Stabilization of oxidizable. L. O. Buxton. 2,345,576; Apr. 4.
Sulphur, Free-flowing. F. E. Smith. 2,345,862; Apr. 4.
Support: *See*—
Garment support. Heater support.
Supporting appliance, Abdominal. H. J. Lunney. 2,345,760; Apr. 4.
Surgical instrument. J. J. Tibone and O. Stoye. 2,345,639; Apr. 4.
Surveying instrument. H. C. Burt. 2,346,006; Apr. 4.
Suspension system for vehicles. C. D. Willson. 2,346,123; Apr. 4.
Synthesis of drying oils from petroleum hydrocarbons. H. B. Kipper. 2,345,754; Apr. 4.
Table: *See*—
Wheel handling tilt table.
Tabular column leaf. W. Shaver. 2,345,861; Apr. 4.
Tap and reamer wrench. B. J. Wieczorek. 2,346,097; Apr. 4.
Telegraph signals, Correction of distorted. H. Nyquist. 2,345,881; Apr. 4.
Telegraph system, Multichannel. O. E. Pierson. 2,345,628; Apr. 4.
Telephone booth. F. A. Kuntz. 2,345,705; Apr. 4.
Telephone system. L. M. Blessing. 2,345,959; Apr. 4.
Teletypewriter switching system. R. J. Anspach. 2,345,912; Apr. 4.
Teletypewriter switching system pay station. W. Y. Lang and F. J. Singer. 2,345,851; Apr. 4.
Tension controlling apparatus. M. Michel. 2,345,765; Apr. 4.
Tension drive, Constant. E. J. Otto. 2,346,047; Apr. 4.
Textiles with pigments, Printing. W. L. Morgan and N. L. Vaughn. 2,346,041; Apr. 4.
Thermohydrometer. L. Edelmann. 2,345,921; Apr. 4.
Throttle controlling mechanism. W. A. Eaton. 2,346,015; Apr. 4.
Ticket distributing system, Pneumatic. E. W. Gent. 2,345,967; Apr. 4.
Tie, Drop wire. W. A. Daniels, W. A. Daniels, Jr., and L. E. Daniels. 2,345,890; Apr. 4.
Timber connector. J. E. Myer and H. G. Uhl. 2,345,856; Apr. 4.
Tire casing, Testing pneumatic. H. J. Linse. 2,345,679; Apr. 4.
Titanium oxide pigments, Production of. R. M. McKinney and H. M. Stark. 2,345,985; Apr. 4.
Titanium pigments, Producing improved. R. H. Sawyer. 2,346,085; Apr. 4.
Titanium pigments, Production of. J. L. Keats. 2,345,980; Apr. 4.
Toaster and cooker, Electric. A. L. Osrow. 2,345,769; Apr. 4.
Tool: *See*—
Cylinder grinding tool. Fishing tool.
Deflecting tool. Machine tool.
Tool. S. Sanocki. 2,346,084; Apr. 4.
Tool joint with double tapered socket. I. H. Beetis. 2,345,725; Apr. 4.
Track for vehicles, Self-laying. O. Singer. 2,346,089; Apr. 4.
Track for self-laying track vehicles, Flexible. R. Mayne. 2,345,763; Apr. 4.
Traction motor control mechanism. L. J. Brasher. 2,345,788; Apr. 4.
Tractor propelled implement. G. W. Mork. 2,345,620; Apr. 4.
Trailer wheel supporting means. F. E. Miner. 2,345,945; Apr. 4.
Transmission, Geared power. P. C. Day. 2,345,733; Apr. 4.
Transmission, Power. F. T. Harrington. 2,345,973–4; Apr. 4.
Transmission, Turbo. J. Jandasek. 2,345,752; Apr. 4.
Transom drive for motorboats. W. J. Snadecki. 2,345,689; Apr. 4.
Tray, Ice freezing. C. E. Dodson. 2,345,799; Apr. 4.
Treating oils to produce antiknock gasolines or aromatic type liquids. J. S. Walton. 2,345,718; Apr. 4.
Trip tube. J. F. Shaw. 2,345,836; Apr. 4.
Tube: *See*—
Trip tube. X-ray tube.
Tube-expanding and thread-rolling apparatus. A. W. Hallberg. 2,345,871; Apr. 4.
Turret conveyer. W. J. Powers, Jr., and F. H. McBerty. 2,345,884; Apr. 4.
Vacuum cleaner. W. B. Oaks. 2,345,623; Apr. 4.
Valve: *See*—
Reversing valve.
Valve. W. H. McGunagle. 2,345,984; Apr. 4.
Valve. L. M. C. Seamark. 2,346,052; Apr. 4.
Valve construction. R. A. Foresman. 2,346,069; Apr. 4.
Valve mechanism. N. V. Smith. 2,345,837; Apr. 4.
Variable speed can feed. H. L. Guenther. 2,345,870; Apr. 4.
Vehicle: *See*—
Motor vehicle.
Vehicle spring. W. C. Tollzien. 2,346,092; Apr. 4.
Ventilating apparatus. C. W. Stickler. 2,345,636; Apr. 4.
Vernier height gauge. J. Bardega. 2,346,063; Apr. 4.
View and range finder for cameras, Combined. J. Mihalyi. 2,346,076; Apr. 4.
Viscose rayon, Continuous manufacture of. A. F. F. Mothwurf. 2,345,622; Apr. 4.
Vise. A. A. Lines. 2,345,708; Apr. 4.
Vitamin-containing materials, Refining and stabilization of. L. O. Buxton. 2,345,961; Apr. 4.
Vitamin fortification. A. E. Briod and L. O. Buxton. 2,345,571; Apr. 4.
Volume control apparatus for radio receivers. R. B. Foster. 2,345,927; Apr. 4.
Vortex separator. T. A. Bryson. 2,346,005; Apr. 4.
Vulcanizing press and the like. L. E. Soderquist and T. H. Williams. 2,345,838; Apr. 4.
Warp beam sleeves, Making. J. J. Ladden. 2,346,035; Apr. 4.
Water, Purification of. H. L. Olin. 2,345,827; Apr. 4.
Weighing apparatus or scale. A. Wirth. 2,345,783; Apr. 4.
Welding apparatus. C. Ringwald. 2,345,630; Apr. 4.
Well bores, Surveying. S. Park. 2,345,770; Apr. 4.
Well casing, Method and apparatus for setting. C. A. Yeatman. 2,346,060; Apr. 4.
Well pumping equipment. B. H. Lybyer. 2,345,710; Apr. 4.
Wheel handling tilt table. W. P. Claus and G. S. Hill. 2,345,728; Apr. 4.
Wheel receiving carriage. W. P. Claus and G. S. Hill. 2,345,729; Apr. 4.
Wheels, Manufacture of. C. W. Sinclair. 2,345,993; Apr. 4.
Window blind. B. W. Touchstone and W. M. Touchstone. 2,346,057; Apr. 4.
Withe for masts, flagpoles and the like. R. E. Mothershead. 2,345,621; Apr. 4.
Wood finishing. E. A. Lehman. 2,345,610; Apr. 4.
Wood finishing. E. A. Lehman. 2,345,940; Apr. 4.
Wood finishing. E. A. Lehman. 2,345,942; Apr. 4.
Wooden barrels, Manufacture of protected. C. E. Smith and T. H. Vaughn. 2,345,775; Apr. 4.
Wooden spoon and making same. S. F. Montague. 2,346,040; Apr. 4.
Wooden spoons from blanks, Forming. S. F. Montague. 2,346,039; Apr. 4.
Wrench: *See*—
Tap and reamer wrench.
X-ray tube. Z. J. Atlee. 2,345,722; Apr. 4.
X-ray tube. Z. J. Atlee and J. C. Filmer. 2,345,723; Apr. 4.
Yarn carrier rod operating means for straight knitting machines. G. Bitzer. 2,345,914; Apr. 4.
Yarn winding. H. S. Cole. 2,345,587; Apr. 4.
Yarn winding. W. F. Hickes. 2,345,601; Apr. 4.

CLASSIFICATION OF PATENTS

ISSUED APRIL 4, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 41: 2,345,760
73: 2,345,841
116: 2,345,764
227: 2,346,082
267: 2,345,649
4— 64: 2,345,807
5— 13: 2,345,624
336: 2,345,592
351: 2,345,675
8—142.5: 2,345,734
9— 2: 2,346,081
20: 2,346,019
10— 149: 2,346,097
12— 17: 2,345,830
20: 2,345,627
146: 2,345,831
15— 8: 2,345,623
104.055: 2,345,672
169: 2,345,991
226: 2,345,730
17— 3: 2,345,607
18— 17: 2,345,838
30: 2,345,917
35: 2,345,939
54: 2,345,570
2,345,622
55: 2,345,977
56: 2,345,629
57: 2,345,674
19— 66: 2,345,988
20—1.123: 2,345,706
40.5: 2,345,703
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69: 2,345,743
92: 2,345,694
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21— 76: 2,345,721
23— 75: 2,345,826
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24— 19: 2,345,832
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25— 121: 2,345,707
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86: 2,346,009
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200— 148: 2,345,724
168: 2,345,757
204— 318: 2,345,798
205— 4: 2,345,857
206— 41.1: 2,346,087
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214— 7: 2,345,645
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130: 2,345,728
139: 2,345,620
215— 74: 2,345,737
216— 62: 2,345,852
217— 14: 2,345,609
31: 2,346,025
218—17.2: 2,345,640
219— 3: 2,345,670
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220— 9: 2,345,665
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222— 164: 2,345,804
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223— 100: 2,345,994
225— 6: 2,345,840
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228— 47: 2,345,680
229— 17: 2,345,978
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230— 18: 2,345,797
234— 1: 2,345,657
236— 46: 2,345,981
238— 230: 2,345,691
240— 2: 2,345,800
242— 43: 2,345,587
2,345,601
70: 2,346,075
244— 33: 2,345,550
100: 2,346,010
138: 2,345,615
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248— 11: 2,345,912
249— 20: 2,346,120
250— 15: 2,345,951
20: 2,345,762
2,345,927
27: 2,345,668
27.5: 2,345,794
33: 2,345,735
83.6: 2,346,043

250—	143:	2,345,722	255—	72:	2,345,739	260—295.5:	2,345,633	260—	681:	2,345,751	
	148:	2,345,723	256—	67:	2,346,111		333:	2,345,605	683.4:	2,345,704	
251—	96:	2,346,052	257—	239:	2,346,104		344.6:	2,345,635		2,345,742	
	108:	2,345,780	259—	180:	2,345,554		397.3:	2,345,711		2,345,802	
252—	48:	Re.22,464	260—	3:	2,345,597		398.5:	2,345,577	683.15:	2,345,574	
	49.5:	2,346,124			2,346,083		404.5:	2,345,632		723:	2,346,055
	52:	2,345,580		13:	2,345,879		449.6:	2,345,957	261—	21:	2,345,667
	76:	2,345,585		16:	2,345,955		461:	2,345,690		39:	2,346,016
	78:	2,345,586		28:	2,345,717		469:	2,346,027		72:	2,345,658
	139:	2,345,776		36:	2,346,107		475:	2,345,959	265—	5:	2,346,117
	228.7:	2,346,012		67:	2,345,966		609:	2,346,102		11:	2,345,968
	308:	2,345,578		73:	2,345,946		611:	2,345,573		46:	2,345,921
254—	167:	2,346,119		75:	2,345,948		613:	2,346,048		48:	2,346,121
	186:	2,345,662		78:	2,345,700			2,346,049	267—	49:	2,346,092
	188:	2,345,821		81:	2,345,962		644:	2,345,701	268—	124:	2,345,594
255—	1.6:	2,345,766		86:	2,345,660		649:	2,346,000	272—	48:	2,345,855
		2,345,816		88:	2,345,659		669:	2,345,625	273—	47:	2,345,964
	72:	2,345,699		205:	2,346,013		673.5:	2,345,718		138:	2,345,781

274—	13:	2,346,071	299—	86:	2,345,687						
	42 Re.	22,468		89:	2,345,853						
277—	33:	2,345,984			2,345,854						
278—	38:	2,346,064		135:	2,345,812						
279—	96:	2,345,749			2,345,813						
280—	33.4:	2,345,945		141:	2,345,808						
	104:	2,346,123		302.2:	2,345,967						
283—	66:	2,345,861	304—	12:	2,346,033						
285—	146:	2,345,725	305—	8:	2,346,089						
	193:	2,346,051		10:	2,345,763						
287—	53:	2,345,685	308—	2:	2,345,783						
288—	3:	2,345,588		72:	2,345,864						
292—	308:	2,345,767		189:	2,345,952						
294—	19:	2,346,038	309—	45:	2,345,589						
	86:	2,345,727	312—	189:	2,345,792						
		2,345,836	315—	6:	2,345,642						
299—	24:	2,345,755		99:	2,345,638						
	84:	2,345,614									

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,345,576:	167— 81	2,345,633:	260—295.5	2,345,722:	250—143	2,345,808:	299—141	2,345,910:	64— 30	2,346,603:	206— 46
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2,345,586:	252— 78	2,345,655:	23—128	2,345,749:	279— 96	2,345,814:	99—156	2,345,940:	117— 9	2,346,022:	183— 6
2,345,592:	5—336	2,345,683:	146— 76	2,345,779:	146—239	2,345,864:	174—108	2,345,942:	117— 9	2,346,027:	260—469
2,345,609:	217— 14	2,345,697:	196— 16	2,345,792:	312—189	2,345,874:	91— 25	2,345,954:	185— 11	2,346,087:	206—41.1
2,345,610:	117— 9	2,345,714:	62—116	2,345,796:	30— 41	2,345,877:	196— 49	2,345,955:	260— 16	2,346,101:	117—103
2,345,615:	244—138	2,345,718:	260—673.5	2,345,804:	222—164	2,345,884:	51—235	2,345,956:	106—176	2,346,110:	160—156
2,345,616:	244—138	2,345,721:	21— 76	2,345,806:	20—52.4	2,345,887:	86— 20	2,345,971:	222—183		

CLASSIFICATION OF DESIGNS

D1—	12:	Des.137,604	D3—	26:	Des.137,622	D26—	5:	Des.137,612	D34—	5:	Des.137,594
D2—	3:	Des.137,589			Des.137,630			Des.137,629			Des.137,601
D3—	4:	Des.137,580	D12—	5:	Des.137,590		13:	Des.137,614			Des.137,602
		Des.137,581	D14—	3:	Des.137,626		14:	Des.137,603			Des.137,608
		Des.137,582	D15—	1:	Des.137,587			Des.137,611		15:	Des.137,595
		Des.137,627	D17—	2:	Des.137,584	D29—23:		Des.137,615	D38—	6:	Des.137,597
	26:	Des.137,599		6:	Des.137,583	D30—	1:	Des.137,618	D42—10:		Des.137,592
		Des.137,600	D26—	1:	Des.137,625	D33—14:		Des.137,589	D44—10:		Des.137,598
		Des.137,621		5:	Des.137,609	D34—	4:	Des.137,593		15:	Des.137,579

D44—15:		Des.137,585	D58—12:		Des.137,617						
		Des.137,586	D71—	1:	Des.137,610						
D45—	9:	Des.137,578			Des.137,620						
	19:	Des.137,577			Des.137,623						
D54—	1:	Des.137,605			Des.137,628						
	9:	Des.137,591	D81—10:		Des.137,596						
	12:	Des.137,606	D85—	2:	Des.137,613						
	14:	Des.137,607	D86—10:		Des.137,616						
D56—	4:	Des.137,624	D87—	3:	Des.137,619						

U. S. GOVERNMENT PRINTING OFFICE: 1944

THE

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April 11, 1944

Trade-Marks	142	No. 406,512	to No. 406,653,	inclusive.
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Plant Patents	1	No. 623		
Patents	514	No. 2,346,125	to No. 2,346,638,	inclusive.
Designs	43	No. 137,631	to No. 137,673,	inclusive.
Total	792			

Interference Notice

U. S. Patent Office, *Richmond, Va., March 17, 1944.*

Dixie Baking Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Groeers' Biscuit Company, Incorporated, 654 South Seventh Street, Louisville, Ky., for registration of a trade-mark and trade-mark registered April 16, 1929, No. 255,174, to Dixie Baking Company, 2301 South Irvay Street, Wilmington, Del., and notice of such declaration sent by registered mail to said Dixie Baking Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dixie Baking Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

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Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)
Original application. (Facsimile petition, specification, oath, and drawings at present time.)
Specification as originally filed. (As received in Office.)
Specification as amended. (With amendments entered.)
Specification as allowed. (As passed by the Examiner for issue.)
Original specification. (Facsimile at present time.)
File-wrapper. (File-wrapper only.)
File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)
File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)
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Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

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Condition of Applications Under Examination at Close of Business March 25, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,786; Trade-Mark Division, 1,096. Oldest new case, April 30, 1943; oldest amended, May 4, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 18	Nov. 20	392
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 24	Sept. 16	497
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 20	July 26	950
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 15	Sept. 28	476
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Aug. 30	Aug. 25	925
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 2	Aug. 13	1234
7. JARBOE, C. G., Optics, Photography	Nov. 23	Oct. 12	693
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 16	Nov. 18	454
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 27	Sept. 23	686
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Nov. 3	Oct. 20	289
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 23	July 9	927
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Oct. 6	Oct. 4	505
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Nov. 24	Sept. 1	586
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Sept. 15	Aug. 18	743
16. SPENCER, C. J., Telegraphy; Telephony	Oct. 21	Oct. 20	538
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 7	July 22	536
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 13	May 4	818
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 26	Sept. 13	497
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Nov. 1	Oct. 16	402
21. THOMPSON, T. J., Textiles	Oct. 27	Sept. 18	382
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 2	Aug. 7	1138
23. BARROWS, B., Cash Registers; Calculators (part)	June 17	June 21	186
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Oct. 18	Oct. 19	552
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 1	Oct. 1	718
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 30	July 1	896
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 4	July 1	537
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	July 14	July 13	706
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 15	Sept. 28	619
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	June 29	June 25	1031
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Oct. 11	Oct. 11	1111
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 1	Sept. 16	610
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 1	Oct. 29	618
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Oct. 28	Aug. 13	523
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 19	Oct. 19	419
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 20	Nov. 9	338
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 18	Aug. 10	665
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	July 26	July 21	479
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 16	Oct. 20	573
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 19	Oct. 13	600
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 17	July 30	412
42. MARANS, H., Electric Signaling	Nov. 18	Nov. 8	375
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 1	Aug. 18	758
44. HARVEY, L. P., Refrigeration; Preserving	Sept. 6	July 31	390
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Sept. 22	Sept. 29	844
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 25	Sept. 25	503
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Nov. 6	Oct. 26	645
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Aug. 28	Aug. 17	855
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 30	Aug. 24	613
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Sept. 14	Sept. 14	1291
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	Aug. 8	Aug. 18	1360
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 21	Sept. 2	767
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures. Partitions and Panels, Flexible and Portable.	Oct. 12	Aug. 7	374
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 13	May 27	729
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	July 30	Aug. 2	632
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 23	Sept. 24	733
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 30	Aug. 16	645
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 6	Oct. 14	609
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Aug. 16	Aug. 18	1311
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	July 28	July 28	711
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Aug. 7	Sept. 24	446
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Nov. 12	Nov. 25	643
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	July 22	July 30	922
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Nov. 3	Nov. 6	1046
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 23	June 16	858
Trade-Marks: RICHMOND, F. A.	†Feb. 1	†Feb. 1	1096
Designs: KALUPY, H. H.	†Feb. 18	†Mar. 9	465

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE OAKES

No. 4,801. Decided January 3, 1944

[— F.(2d) —]

PATENTABILITY—ABRASIVE ARTICLE.

Certain claims to a flexible abrasive article *Held* unpatentable over the prior art, notwithstanding a showing by appellant as to the allowance of identical claims by the Canadian Patent Office.

APPEAL from the Patent Office. Affirmed.

Mr. Harold J. Kinney (*Mr. Chas. S. Grindle* and *Mr. Mark Severance* of counsel) for Oakes.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Board of Appeals of the United States Patent Office affirmed the action of the Primary Examiner in finally rejecting, upon the prior art, claims 27 and 29 of appellant's application for a patent filed as a continuation in part of a prior application, Serial No. 228,188. From the decision of the Board appellant appeals here.

Claims 27 and 29 read as follows:

27. A flexible abrasive article adapted to be used wet for abrading or polishing glass, marble, and the like which comprises a sheeted backing material; an impregnating or sizing coat for said sheeted backing material which consists of a film-forming, waterproof adhesive material comprising a substantially nonoxidizable thermoplastic synthetic resin, said sizing coat being substantially completely free of drying oils; a waterproof organic grit-bonding or binder coat comprising a heat convertible synthetic resin, joined to the sized sheeted backing aforesaid; and a multiplicity of abrasive particles embedded in said grit-bonding coat; said grit-bonding coat being less flexible and very substantially harder than said impregnating or sizing coat.

29. A flexible abrasive article of the coated abrasive type adapted to be used wet for abrading or polishing glass, marble, and the like which comprises a sheeted material impregnated or sized with a coating which consists of a film-forming, elastic waterproof adhesive material comprising a substantially nonoxidizable, film-forming elastomer, said sizing coating being substantially completely free of drying oils; a dissimilar synthetic grit bonding or binder coat which is less flexible and very substantially harder than said impregnating or sizing coat, and which has a hardness at least substantially as great as that of a straight phenol-aldehyde resin, joined to the sized sheeted backing aforesaid; and a multiplicity of abrasive particles embedded in said grit bonding coat; the aforementioned impregnating or sizing coating being further characterized in that: it will not deteriorate or substantially soften at 100° C., it will not rot or deteriorate said sheeted material or backing, and it increases substantially the strength of adhesion of the dissimilar grit-bonding coat aforesaid to said sheeted material or backing.

The alleged invention defined by the claims broadly relates to flexible abrasive articles of the coated abrasive type which are, as stated by appellant and as is recited in the claims, adapted to be used for abrading or polishing glass, marble, and the like. The abrasive article comprises a sheeted backing material and an impregnating or sizing coat for said sheeted backing material, which consists of a film-forming, waterproof adhesive material and comprises a "substantially non-oxidizable thermoplastic synthetic resin." The claims require that the sizing coat be "substantially completely free of drying oils." On this coating is placed a "waterproof organic grit-bonding or binder coat comprising a heat convertible synthetic resin, joined to the sized sheeted backing." Upon this is superimposed a multiplicity of abrasive particles embedded in the said grit-bonding coat. The claims finally require that the grit-bonding coat be less flexible and very substantially harder than the sizing coat.

It will be noticed that much of the language contained in both of the claims relates to the use of the material and generalities as to its characteristics.

The Primary Examiner rejected the claims on the following references: Carlton, 1,775,631, September 16, 1930; Dietz et al., 2,004,466, June 11, 1935; Shuey, 2,025,249, December 24, 1935.

The pertinent portion of the Examiner's rejection is stated in the following language:

> It is believed that claims 27 and 29 were properly denied entry in the application in view of the art cited above.
>
> * * * * * * *
>
> In view of patent to Dietz et al., who discloses an ultimate or top bond coat which is harder than the preliminary bond coat, it is not believed to involve invention for either Shuey or Carlton to make a device having such an arrangement of coats of a phenolic resin material; that is, a preliminary phenolic resin bond coat which is softer and more flexible than the ultimate or top bond coat. Both Shuey and Carlton disclose the known procedure of rendering their phenolic resins more flexible by the addition of flexibilizing agents of a non-drying oil type, such as amiline, tricresyl phosphate, dibutol phthalate, glycerol, starch, dextrine, sugar, proteins or shellac. Since these patentees have disclosed the flexibilized non-drying resin materials, it is believed that it would take nothing more than mechanical skill to combine them in the manner disclosed by patent to Dietz et al.

The Board, after commenting upon the fact that appellant had been allowed a number of claims "in which the specific character of the materials used in the two coats has been more definitely set forth," called attention to the fact that the Examiner held "the claims rejectable in view of these two patents [Dietz et al. and Shuey]" and the patent to Carlton, and then said:

> * * * This latter patent [Carlton] is not as pertinent, in our opinion, but is effective to show a preliminary coat of a phenol aldehyde resin and a final bonding coat of a similar material on an abrasive body such as a waterproof sheet abrasive. In the first place, it is noted that the rejected claims are not specific to any particular material but are broadly drawn primarily to a flexible abrasive article in which an impregnating or sizing coat is applied to a sheeted backing formed of waterproof non-oxidizable adhesive material as a thermoplastic synthetic resin free of drying oils. A second coat in the form of a waterproof binder coat for the grits is a heat convertible synthetic resin.
>
> The Dietz patent describes an abrasive sheet coated on both sides with a back size and a presize, the first as an impregnating emulsion and the second as a waterproof varnish sealer as a base for the binder, a flexible resinous varnish. The patentee states that the paper base is impregnated for strength and teaches also that the best results are obtained when one of the resin coatings designated by the numerals 5 and 6 is somewhat flexible and the other coating is comprised of a hard, strong resin.
>
> * * * * * * *
>
> The Shuey patent is most pertinent in that it describes a moisture-proof abrasive implement with a flexible base and he states that "desirability of a bond immune both to moisture and to atmospheric influences has long been recognized." He suggests that the binder would not be confined to a phenol formaldehyde condensation product alone but to impart flexibility thereto. He suggests as a coating composition reacting tung oil or other fatty oil with a phenol and thereupon including formaldehyde

and a suitable solvent such as benzol and alcohol as described in the patent to Byck No. 1,590,079. The patentee states that the binder is superior to glue and also to an oil bond in that it does not depend upon air oxidation for drying. It seems to us that this statement is clear as to non-oxidizable character, especially in view of the reference in the first column of page 1, line 42, to the desirability that the bond be inert to oxygen. Appellant's argument in this connection is not convincing.

The patentee states that "the grit can be secured by the oil varnish coat and the phenolic condensation product then applied; in this case the top coat is preferably thinned so as not to completely cover the grains. This procedure results in a flexible tough oil coating adhering to the base while the protective surface coat that is strongly adherent to the oil varnish coat possesses the inertness and resistance of a phenolic condensation product." He then describes how the flexibility can be increased by the addition of certain plasticizers or softening agents.

It seems to us that this patent is quite definite to a double coated abrasive article of the type under consideration with one coat flexible and the other harder. Shuey does not necessarily use an oil modified resin and this is clear from page 1, column 2, line 29, as well as the statement beginning in the same column, line 50 and following, with reference to the infusible insoluble resin. After consideration of appellant's argument we are convinced that the claims on appeal are not patentable. The Examiner has discussed this matter more fully.

In reading the above quotations from the decisions of the tribunals below, it will be observed that the Board, contrary to appellant's contention, has substantially adopted the views of the Examiner in rejecting the claims.

In this court appellant argues that the Solicitor for the Patent Office has injected a new ground of rejection into the case in so far as he comments on the breadth of the claims. We could hardly regard this as a new ground of rejection in this case. The Board stated that the claims are "broadly drawn, etc." Claims which are so broadly drawn as not to distinguish patentably from the prior art should always be rejected, and this is probably the most frequent ground of rejection of patent claims. We do not regard it as improper to refer to the breadth of the claims when the language is so broad as not to define invention over cited prior art.

Appellant argues here that the tribunals have improperly rejected his claims upon the prior art and points out, as did the Board and the Examiner, the particulars in which the references, either singly or combined, do not disclose certain limitations found in the claims. The courts have many times held that claims may properly be rejected upon a combination of references even though that combination does not show all the elements defined in the claims. As we understand the Board's position, it holds, as did the Examiner, that in view of what the prior art shows, the claims do not define invention over the prior art. That is to say, what appellant's claims call for that is not shown in the prior art does not make the claims patentable over the disclosures of the prior art. We agree with the holdings of the Board with respect to the rejection of the claims. The tribunals below correctly stated the disclosures of the references, and a repetition thereof is not deemed necessary here.

It appears from the record that appellants application, Serial No. 228,188 above referred to, was involved in a suit under R. S. § 4915, in which Mr. Justice Luhring of the District Court of the United States for the District of Columbia directed the allowance of two claims which were numbered 4 and 5. Those claims were subsequently transferred to the present application and appear therein as claims 6 and 7 and are in the record under the heading of "Allowed Claims." Justice Luhring made certain findings of fact and conclusions of law. From these facts appellant argues that the Board failed to give proper consideration to the holdings of said district court.

The reasoning of another court on the nature of an invention and its conclusions as to the prior art in a case such as the one at bar may be a proper and persuasive matter for consideration by this court, but it is argued by no one that it is controlling or binding on us. The claims there were different from the claims at bar, being more restricted to certain characteristics of the component materials of the abrading article. Moreover, it is well settled under circumstances similar to those which confront us here that our decision as to the patentability of claims should not rest upon the allowance of different claims in the same application or in any other application. *In re Farrand*, 18 C. C. P. A. (Patents) 1452, 49 F.(2d) 1035, 9 U. S. P. Q. 330, 413 O. G. 559; *In re Zalkind*, 28 C. C. P. A. (Patents) 959, 118 F.(2d) 356, 49 U. S. P. Q. 97, 529 O. G. 511.

Appellant also calls attention to the fact that the instant claims were allowed by the Canadian Patent Office and urges that this fact, while not controlling or binding on this court, is "an *evidentiary fact*, which may be given what weight it deserves by this court." [Italics quoted.]

In *In re Guinot*, 22 C. C. P. A. (Patents) 1067, 76 F.(2d) 134, 25 U. S. P. Q. 7, 458 O. G. 666, this court said concerning a claim, where the German Patent Office had granted the appellant a patent:

> The decision [of the German Patent Office] has been examined, but, in view of the fact that the German patent system may be quite different in its legal aspects from that of the United States, we feel that it should not affect our conclusion here.

To the same effect is our holding *In re Kleine et al.*, 23 C. C. P. A. (Patents) 1216, 83 F.(2d) 928, 30 U. S. P. Q. 32, 473 O. G. 7.

For the reasons stated the decision of the Board of Appeals is affirmed.

Affirmed.

Changes in Classification

Order No. 3,796, March 9, 1944, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS TITLE

In *class 176, Electric Lamps* (Division 54):

Manufacture and repair (the unnumbered title following subclass 1)

ESTABLISH SUBCLASSES

In *class 29, Metal Working:*

Blanks and processes

179.5 Bonded metal to non-metallic joints (Division 14)

In *class 49, Glass* (Division 5):

Structure

92.5 Glass to metal joints

In *class 103, Pumps* (Division 9):

Expansible chamber

Reciprocating piston

166.5 Flow controlling

In *class 174, Electricity, Conductors and Insulators* (Division 65):

Boxes and housings

With conduit or cable openings, coupling means or hole closures

65.5 Ceramic box or housing

In *class 189, Metallic Building Structures* (Division 33):

Structural units

Joints and connections

36.5 Bonded metal to non-metallic joints

In *class 200, Electricity—Circuit Makers and Breakers* (Division 37):

Fluid pressure

81.8 Bourdon tube type

Thermal

136.5 Combined with connector coupling

MISCELLANEOUS CHANGES

In *class 4, Baths, Closets, Sinks, and Spittoons*, page 17, subclasses "156 Pump", "157 Neck supported", and "158 With scrubber" should be coordinate with subclass "154 Curtain".

In *class 24, Buckles, Buttons, Clasps, Etc.*, page 38 (1940), subclass "30 Wooden bands" should be coordinate with subclass "27 Wire".

In *class 29, Metal Working*, page 44, move subclass "89 Work holders" to a position immediately preceding and coordinate with subclass "95 Cutters".

In *class 105, Railway Rolling Stock*, page 136, the title of subclass 332 should read: *Convertible open and closed.*

In *class 301, Land Vehicles—Wheels and Axles*, page 329, in the title of subclass 73, correct the spelling of "Plural".

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
29	179.5	113	112
29	179.5	176	35, 36
29	179.5	250	27.5
49	92.5	49	92
49	92.5	176	35, 36
49	92.5	250	27.5
103	166.5	103	53
103	166.5	221	Various
174	65.5	176	16, 36
174	65.5	250	27.5
189	36.5	176	36
189	36.5	250	27.5
200	81.8	200	81
200	136.5	200	136 to 143 inclusive

IN THE DEFINITIONS:

5, Beds (Division 8)

in subclass 348, add:

Search this class, subclass—

91—for invalid mattresses.

7, Compound Tools (Division 29)

in subclass 8, add:

Search Class—

254—PUSHING AND PULLING IMPLEMENTS, subclass 26, for claw hammers.

9, Boats and Buoys (Division 61)

in subclass 9, before "vessel", add *body or* and change "wreck" to *body.*

18, Plastics (Division 15)

in subclass 59, under "(2) Search Classes", in the reference to class 29, Metal Working, change "148 and indented subclasses" to *179.5*, and at the end of the reference, add:

See the notes to subclass 179.5 of class 29, for the line between this class (18) and class 29.

22, Metal Founding (Division 3)

in subclass 202, number the existing note (*1*), and add:

Search Class—

29—METAL WORKING, subclass 179.5, and the classes specified in the notes to the definition of that subclass, for other methods of bonding metal parts to non-metallic parts.

29, Metal Working (Divisions 13, 14, 29)

in the main class definition, in paragraph II, add to the subclasses listed:

89—Work holders.;

in subclass 25.10, under "Search Class", in the reference to class 91, Coating, cancel "Apparatus", first occurrence;

in subclass 25.11, under "Search Class", add in numerical order:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for processes of cleaning or treating various solids (including electrodes and blanks) with liquids, and including the acid treatment of metals in subclasses 3, 27, 28, and 41.;

cancel the reference to class 141, Washing Apparatus; and in the reference to class 148, Metal Treatment, cancel "subclass 8 provides . . . acid";

in subclass 25.13, under "Search This Class, Subclass", insert in numerical order:

179.5—and the classes and subclasses specified in the notes to the definition of that subclass, for blanks and processes for making bonded joints between metal and non-metallic parts (e. g., sealing lead-in wires into glass or ceramic parts of electric lamps or electric space discharge devices).;

in subclass 25.19, under "Search This Class, Subclass", in the reference to subclass 84, cancel the last sentence; and add in numerical order:

89—for work holders per se disclosed for use in electric lamp or space discharge device manufacture.;

in subclass 25.10, under "Search This Class, Subclass", change the reference to subclass 89 to read:

89—for work holders, per se, for use in electric lamp or space discharge device manufacture, and see note 6 above.;

in subclass 84, insert:

(0.5) Note.—**Search this class,** subclass 179.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous processes of making joints between metal and non-metallic parts where the parts are bonded together by means of casting, welding, soldering, cementing, or other adhesive means.;

in subclass 89, cancel the definition and notes, and substitute:

89. Clamps and jigs under the class definition adapted to hold the parts of articles of manufacture while a manufacturing or assembling operation is being performed thereon. This is the generic work holder subclass, and takes all work holders per se not otherwise provided for in this or other classes; see paragraph II of the main class definition.

(1) Note.—work supports appear in combination with means for performing the work in substantially all manufacturing classes. In the following notes, reference is made to some of the work supports per se provided for elsewhere.

Search this class, subclass—

36, 37, and **38**—for turret type work holders for combined operation machines.

Search Class—

12—BOOT AND SHOE MAKING, subclasses 123+.
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 268.
38—TEXTILES, IRONING OR SMOOTHING, subclasses 64 and 103+.
51—ABRADING, subclasses 215, 216+, 238+, and 240.
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 34.
69—LEATHER MANUFACTURES, subclass 19.
77—BORING AND DRILLING, subclasses 62, 63+.
78—METAL FORGING AND WELDING, subclasses 3+, for anvil vises, 5+, for anvils, and 96+, for work handling mechanism.
79—BUTTON MAKING, subclass 18.
81—TOOLS, subclasses 17+, for vises.
86—AMMUNITION AND EXPLOSIVE CHARGE MAKING, subclass 44, for devices for holding shells for loading.
90—GEAR CUTTING, MILLING, AND PLANING, subclasses 56+, 58, and 59+.
91—COATING, subclasses 60+.
101—PRINTING, subclasses 407+.
113—SHEET-METAL WARE-MAKING, subclasses 99+.
125—STONE WORKING, subclass 35.
144—WOODWORKING, subclasses 288, 288.5, 289+, and 306+.
157—WHEELWRIGHT—MACHINES.
219—ELECTRIC HEATING, subclasses 17+.
300—BRUSH, BROOM, AND MOP MAKING, subclasses 10+.;

in subclass 155.41, under "Search Class", add in numerical order:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for processes of cleaning wires or filaments by acid treatments or other procedures.;

cancel the reference to class 141, Washing Apparatus;

and in the reference to class 148, Metal Treatment, cancel the second sentence;

establish the following subclass definition:

179.5. Blanks and processes under subclass 148, for uniting metal parts to non-metallic parts by means of a bonded joint.

(1) Note.—A bonded joint is a joint in which the joining is performed by casting, welding, soldering, brazing, or other method requiring the use of molten material, cement or other adhesive, or where at least one of the materials to be joined to the other is made plastic and the joint is made by pressing the materials together so that they adhere to each other.

(2) Note.—This subclass is the generic place for making joints between metal and non-metallic parts and provides for such patents as are not provided for in any other class.

(3) Note.—Where the resultant joint is claimed, the patent has been placed in the class or subclass appropriate to the product and cross-referenced here for the process or blank. For bonded metal to non-metal joints, **search class** 189, METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass.

(4) Note.—Where the process is directed to the joining of two non-metallic parts, and the process includes forming a surface layer of metallic material on the non-metallic parts and then soldering, welding, or otherwise uniting the parts, by joining the surface layers of metallic material, the process is considered to be uniting metal to non-metal and properly classified in this subclass even though the only metal present in the completed joint is the metal joining the two non-metallic parts together. Where the process claimed includes coating either the metal part or the non-metallic part with a layer of material, the coating being either metallic or non-metallic, and then uniting the two parts together by cementing or the use of other adhesive or by making one of the materials plastic and pressing the materials together so that they adhere to each other, the patent will be classified with the art which provides for the method of making the joint, the coating operation not being considered a metal working operation for class 29, being only a step in preparation for the uniting operation.

(5) Note.—Where a process includes making a joint between a metallic and non-metallic part by a process which is provided for in another class, and includes in addition the operation of joining the metal part to another metal part, the patent is classified in this class (29) where the class which provides for joining the non-metallic part to the metal part is limited to the single operation.

Search this class, subclass—

25.13+—and the classes and subclasses specified in the notes to the definitions of those subclasses, for processes for making of electric lamps and electric space discharge devices which processes include, among other operations, uniting metal parts to non-metallic parts, and the blanks for such processes.

180+—for metal bars, plates, wires, etc., suitable for use in forming joints with non-metallic materials. Note especially subclass 182 where the metal part is made of two or more different metal parts, one of which is suitable for joining to a non-metallic part.

Search Class—

18—PLASTICS, for miscellaneous processes of molding and at the same time uniting two or more substances, at least one of which is a non-metallic plastic. Where the process includes a metal working step in addition to the class 18 operation which metal working step is more than a step preparatory to the class 18 uniting operation, the patent is classified in class 29. See notes 4 and 5 above.

22—METAL FOUNDING, subclass 202 for processes of uniting two or more materials, one of which is a non-metallic by a metal casting operation.

41—ORNAMENTATION, subclass 37, for processes of making ornamental forms which involve the use of metallic leaf.

49—GLASS, subclass 81, for processes of uniting glass to metal where the uniting operation involves fusing or softening the glass, that is, glass working. Where the process includes uniting a glass part to a metal part and also uniting the metal part to a metal part, the patent is classified in this class (29) and subclass. See notes 4 and 5 above.

113—SHEET-METAL WARE-MAKING, subclass 112, for miscellaneous processes of uniting parts by welding or soldering. Class 29 provides for processes which include coating a non-metallic part with a metallic substance and then soldering or welding the coated part to a metal surface. Class 113 provides for the mere soldering or welding of metal parts together even though, according to the disclosure, the metal parts are only coatings on non-metallic parts. See notes 4 and 5 above.

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, for processes of coating metal objects with non-metallic coatings and for coating non-metallic articles with metal coatings.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2, for miscellaneous processes for joining together structures by means of cementing or laminating operations which are not otherwise classified. Class 154 includes uniting metal parts to non-metallic parts by cementing or laminating operations.

189—METALLIC BUILDING STRUCTURES, see note 3 above.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclass 16 for processes of uniting metal parts to non-metallic parts by means of electro-deposition.

30, Cutlery (Division 53)

in subclass 123, under "(5)", add in numerical order:

273—AMUSEMENT DEVICES, GAMES, subclass 84, for police clubs combined with cutters.

31, Dairy (Division 2)

in subclass 82, in the note, change "221" to *222*.

34, Drying and Gas or Vapor Contact with Solids (Division 49)

in subclass 9, cancel (11) Note.;

in subclass 108, note (8), the reference to class 110, Furnaces, should read: *110, Furnaces, subclass 14*.

49, Glass (Division 5)

in subclass 81, under "(4) Search Classes", in the reference to class 29, Metal Working, change "subclass 148 and indented subclasses" to read: *subclass 179.5*,

and at the end of the reference, add:

See the notes to subclass 179.5 of class 29, for the line between this class (49) and class 29.;

establish the following subclass definition:

92.5. Subject matter under subclass 92 where the glass has combined therewith a metal part.

(1) Note.—This subclass includes glass to metal joints and seals where the joint or seal has been made by a glass working process.

Search this class, subclass—

81—for processes of uniting glass to metal by glass working operations. The patents in subclass 81 are not cross-referenced to this subclass even though they claim a glass-to-metal joint and the search should therefore extend to subclass 81 for glass to metal joints.

86—for processes for forming wire glass by glass molding operations. The patents in subclass 86 are not cross-referenced to this subclass even though they claim a glass to metal joint, and the search should therefore extend to subclass 86 for wire glass.

Search Class—

189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes specified in the notes to the definition of that subclass, for miscellaneous metal to non-metallic joints where the parts are bonded together. These notes in class 189 include references to classes which provide for articles which include bonded joints between a metal part and a non-metallic part such as a glass part. A joint which includes a glass to metal joint and a joint between the metal part and another metal part is classified in class 189 and not in class 49.

72, Masonry and Concrete Structures (Division 33)

in subclass 101, under "Search Class", insert:

189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous bonded joints between metal and non-metallic parts.

81, Tools (Division 29)

in subclass 3.10, add:

Search Class—

86—AMMUNITION AND EXPLOSIVE-CHARGE MAKING, subclasses 28, 37+, for similar devices used in ammunition loading.

226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclasses 81, 83+, particularly subclass 87, for devices used to apply closures to receptacles.

89, Ordnance (Division 22)

in subclass 33, add:

Search Class—

193—CONVEYORS—CHUTES, SKIDS, GUIDES, AND WAYS, for the structure of cartridge chutes and guides not structurally associated with a gun.

99, Foods and Beverages (Divisions 1, 63)

in subclass 448, add:

Search Class—

126—STOVES AND FURNACES, subclasses 20.1+ and 369.2+, for plural ovens and steaming chambers.

220—METALLIC RECEPTACLES, subclasses 20+, for compartmented receptacles having no heating or food supporting feature.

103, Pumps (Division 9)

establish the following subclass definition:

166.5. Devices under subclass 153 in which the induction and/or eduction control is effected by the piston or parts unitary therewith.

Search this class, subclass—

157—for devices with rotating pistons which have induction or eduction control features.

163—for devices with movable cylinders having induction or eduction control features.

Search Class—

121—MOTORS—EXPANSIBLE CHAMBER TYPE, subclass 101, for similar devices disclosed to operate as motors.

113, Sheet-Metal Ware-Making (Division 14)

in subclass 112, add:

Search Class—

29—METAL WORKING, subclass 179.5, for processes of soldering or welding metal parts to non-metallic parts where the process includes coating or covering the non-metallic part with a metallic material to which the solder or welding material will adhere. See the notes to the definition of subclass 179.5 of class 29 for the line between this class (113) and subclass 179.5 of class 29.

129, Paper Files and Binders (Division 53)

in subclass 4, add:

Search Class—

211—SUPPORTS, RACKS, subclass 54, for racks with impaling means and followers for stacks of cards or sheets.;

in subclass 21, add:

Search Class—

211—SUPPORTS, RACKS, subclass 57, for racks with impaling means for stacks of cards or sheets.

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

in the main class definition, add:

Search Class—

29—METAL WORKING, subclass 179.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous processes of making joints between metal and non-metallic parts where the parts are bonded together by means of soldering, welding, cementing, or other adhesive means.

189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous joints between metal and non-metallic parts where the parts are bonded together.;

in subclass 2, under "(2) Search Class", add:

29—METAL WORKING, subclass 179.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous processes of making joints between metal and non-metallic parts where the parts are bonded together by means of soldering, welding, cementing, or other adhesive means.

174, Electricity, Conductors and Insulators (Division 65)

in the main class definition, paragraph 7, after the second sentence, insert:

This class includes as boxes or housings envelopes for electric lamps, electric space discharge devices, and similar electrical devices which are enclosed in vitreous, ceramic, non-metallic plastic or metallic envelopes when only the envelope and the electrical lead wires or conductors which conduct electric current through the wall of the envelope are claimed. Such structures are, for the most part, in subclasses 65+ of this class.;

in subclass 18, add:

(1.5) Note.—**Search this class,** subclasses 65+, for envelopes for electric lamps, electric space discharge devices and similar electrical devices which are enclosed in vitreous, ceramic, non-metallic plastic or metallic envelopes when only the envelope and the electrical lead wires or conductors, which conduct electric current through the wall of the envelope, are claimed, even though the claims state that the envelope is for a vacuum or gas-filled device. See notes 1 and 3 to the definition of subclass 8 above.;

in subclass 50, add:

(1.5) Note.—This and the indented subclasses, especially subclasses 65+ include envelopes for electric lamps, electric space discharge devices and similar electrical devices which are enclosed in vitreous, ceramic, non-metallic plastic, or metallic envelopes when only the envelope and the electrical lead wires or conductors which conduct electric current through the wall of the envelope are claimed.;

in subclass 65, add:

(0.5) Note.—This and the indented subclass includes envelopes for electric lamps, electric space discharge devices, and similar electrical devices which are enclosed in vitreous, ceramic, non-metallic plastic, or metallic envelopes when only the envelope and the electrical lead wires or conductors which conduct electric current through the wall of the envelope are claimed. For the electrical devices which include such envelopes, **search class:**

13—ELECTRIC FURNACES, appropriate subclasses where the device is an electric furnace, note especially subclass 31 for pressure and vacuum furnaces.

67—ILLUMINATING BURNERS, subclass 31, for flash lights of the illuminating burner type (photoflash) which are enclosed within an envelope and provided with electrical igniting means.

175—ELECTRICITY—GENERAL APPLICATIONS, subclasses 30+, for lightning arresters which are enclosed within an envelope.

176—ELECTRIC LAMPS, appropriate subclasses, for electric lamps which are enclosed within an envelope.

200—ELECTRICITY—CIRCUIT MAKERS AND BREAKERS, appropriate subclasses for electric switches enclosed within an envelope or box; note especially subclasses 113.5 and 152 for switches enclosed within a ceramic, a vitreous, or non-metallic plastic envelope.

250—RADIANT ENERGY, subclasses 27.5+, for electric space discharge devices enclosed within a metallic, vitreous, or ceramic, or non-metallic envelope.;

establish the following subclass definition:

65.5. Structures under subclass 65 wherein the box or housing is made wholly or in part of ceramic, vitreous, or non-metallic plastic material.

(1) Note.—See note (0.5) to the definition of subclass 65 for some of the classes which provide for specific electric devices which are enclosed within ceramic, vitreous, or non-metallic plastic envelopes.

Search this class, subclass—

8+—for structures of this type within the class definition having means peculiarly adapted for use in connection with a vacuum or a fluid. Merely stating that the envelope is for a vacuum or gas filled tube will not cause classification in subclasses 8+ where no means peculiarly adapted for use with the vacuum or gas filling is claimed. Note indented subclass 9 for all such structures in which a vacuum is utilized, subclass 18, for boxes, housings, and envelopes provided with bushing or terminal means, under subclass 8, subclass 31 for structures under subclass 8 which are bushings or other devices for insulating a conductor or object from a wall or plate through which the conductor or object passes.

151+—for devices for insulating a conductor from a wall or plate through which the conductor extends.

Search Class—
189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes specified in the notes to the definition of that subclass for miscellaneous joints between metal and non-metallic parts where the parts are bonded together.
220—METALLIC RECEPTACLES, subclass 82, for envelopes made of vitreous, ceramic, or non-metallic plastic material including electric lamps and similar envelopes.;

in subclass 138, add:

(0.5) Note.—This subclass includes insulated rod joints not otherwise classified. Where the insulated rod joint is merely two or more rod-like bodies which are insulated from each other by means of insulating material which is joined to the rod-like bodies by means of a bonded joint, the patent is classified in class 189, METALLIC BUILDING STRUCTURES, subclass 36.5. A bonded joint is a joint where the parts are held together by means of solder, welding material, cement or other adhesive, or by the materials adhering directly with each other.;

in subclass 189, number the existing note (1) and add:

Search Class—
189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous bonded joints between metal and non-metallic parts.;

in subclass 196, number the existing note (1) and add:

Search Class—
189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous bonded joints between metal and non-metallic parts.

176, Electric Lamps (Division 54)

in the main class definition, under "Notes." add to the list of Search Classes:

174—ELECTRICITY—CONDUCTORS AND INSULATORS, subclass 65.5 and the other subclasses specified in the notes to the definition of that subclass, for electric lamp envelopes formed of ceramic, vitreous, or non-metallic plastic material when only the envelope and the electrical lead wires or conductors which conduct electric current through the wall of the envelope are claimed.
189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous joints between metal and non-metallic parts where the parts are bonded together.
220—METALLIC RECEPTACLES, for mere envelopes formed of ceramic, vitreous, or non-metallic plastic material for electric lamps where the claimed structure is of general application and not limited to use with electric lamps.;

in subclass 36, add:

(3) Note.—See the references to classes 174, ELECTRICITY—CONDUCTORS AND INSULATORS, 189, METALLIC BUILDING STRUCTURES, and 220, METALLIC RECEPTACLES, in the notes to the main class definition of this class (176).

184, Lubrication (Division 45)

in subclass 14, under "Search Classes", change "221" to *222*.

189, Metallic Building Structures (Division 33)

in the main class definition, add:

(2) Note.—This class is the generic class for joints between metal and non-metallic parts where the metal and non-metallic parts are bonded together. See subclass 36.5 of this class.;

and establish the following subclass definition:

36.5. Miscellaneous joints between metal and non-metallic parts where the metal and non-metallic part are bonded together.

(1) Note.—A bonded joint is a joint in which the joining is performed by casting, welding, soldering, brazing, or other method requiring the use of molten material, cement, or other adhesive, or where at least one of the materials to be joined to the other is made plastic and the joint is made by pressing the materials together so that they adhere to each other. Bonded joints are characterized by the fact that the parts either adhere to each other or are held together by a material that adheres to the parts such as solder, cement, or other adhesive means.

(2) Note.—This subclass is the generic place for joints between metal and non-metallic parts and provides for such patents as are not provided for in any other class. This class includes all rod joints and rod to base plate or head joints where one of the parts is metal and the other is a non-metal of the bonded joint type which would otherwise be classified in class 287, ROD JOINTS OR COUPLINGS.

(3) Note.—For processes of making bonded metal to non-metallic joints, see class 29, METAL WORKING, subclass 179.5 and the classes and subclasses specified in the notes to the definition of that subclass. Where the joint is claimed in addition to claims for the process of making the joint, the patent is placed in the class and subclass appropriate to the joint and cross-referenced for the process.

(4) Note.—Where another class provides only for the bonded joint between a metal part and a non-metallic part, and the claim includes, in addition to such joint structure as is provided for in such other class, a joint between the one of the parts and a third part which structure is more than is provided for in such other class, the patent will be classified in this class and subclass.

Search Class—
29—METAL WORKING, subclass 179.5, and see note 3 above. See subclasses 180+ for metal stock which is adapted to be bonded to non-metallic parts.
41—ORNAMENTATION, subclass 37, for ornamental forms using metallic leaf.
49—GLASS, subclass 92.5, for joints between glass and metal parts which have been formed by glass working operations. Bonded glass to metal joints where there is a joint between the metal part and another metal part are in this class (189) and this subclass (36.5).
72—MASONRY AND CONCRETE STRUCTURES, subclasses 101+, for miscellaneous devices for joining masonry structures or for attaching articles to masonry work, and subclasses 109+ for metal reinforcements for masonry work.
85—DRIVEN, HEADED AND SCREW-THREADED FASTENINGS, subclass 54, for nails, screws, etc., which are provided with heads composed of plastic material compressed by dies upon the shank or integral head of the fastener.
106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for miscellaneous coating or plastic compositions.
108—ROOFS, subclass 6, for roofs composed of one or more layers of material at least one of which is a plastic substance.
117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclasses 127+ for miscellaneous metal parts coated with non-metallic materials and subclasses 150, 151, 160, for miscellaneous non-metallic parts coated with metal.
138—PIPES AND TUBULAR CONDUITS, subclasses 56+, for flexible pipes wherein the tube wall is made up of a plurality of different materials or layers and in which one of the materials is a metal, subclasses 64+ for rigid pipes having more than one layer in the tube wall make-up, at least one of the materials being metal, and subclass 84 for metal reinforced clay, concrete, or masonry pipes.
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 43, for miscellaneous laminated structures including laminated metal and non-metallic layers, note subclasses 46+ where the structure is a flexible fabric, especially subclass 53 where the fabric is provided with wire reinforcement.
174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 65.5 and the classes and subclasses specified in the notes to the definition of that subclass, for vitreous, ceramic and non-metallic plastic material envelopes such as electric lamp envelopes provided with conductors passing through the wall thereof. Subclass 138, for insulated rod joints and for fastening devices such as bolts, rivets having means for insulating the same from a structure penetrated by the fastening device. See note 0.5 in the notes to the definition of subclass 138 of class 174 for the line between this subclass and subclass 138 of class 174. Also see subclass 159 for insulated nail or staple type fasteners for insulators. Subclass 189 for electric insulators in which the insulating body is molded within a cap terminal, or is secured therein by means of a plastic bonding material, such as cement or an alloy. Subclass 196 for insulators in which the insulating body is molded around the pin terminal, or is secured thereto by means of a plastic bonding material.
176—ELECTRIC LAMPS, subclasses 35, 36+, 50 and 126 for electric lamps provided with lead-in wires sealed into the envelope of the lamp.

200—ELECTRICITY—CIRCUIT MAKERS AND BREAKERS, subclass 152, for mercury contact switches provided with vitreous or ceramic envelopes and having lead-in wires sealed into the envelope.
220—METALLIC RECEPTACLES, subclass 82, for metallic receptacles provided with transparent portions.
250—RADIANT ENERGY, subclasses 27.5+ for electric space discharge devices having metallic and non-metallic parts bonded together.
279—CHUCKS OR SOCKETS, subclass 105, for devices having a socket with means for securing a member therein, the shank of the member being united to the socket by solder, or other plastic, molded, or cast material.
285—PIPE JOINTS OR COUPLINGS, subclasses 14+ for insulated joints between two or more pipes or tubes, or between a pipe or tube and a plate, wall or other base, and subclasses 74, 106, 111+, for pipe joints wherein a plastic or melted material is utilized in the joint or wherein the ends of the pipe are united by fusion or welding pressure.
287—ROD JOINTS OR COUPLINGS, appropriate subclasses, for joints for uniting the ends of rods, beams, shafts, cables, belts, or other elongated bodies, or joints between a rod like body and a base, plate, or head or other non-rod like body. Where one of the parts is a metal and the other is a non-metal and the parts are bonded together, the patent is classified in this class (189) and subclass (36.5) and not in class 287. See note 2 above.

200, Electricity—Circuit Makers and Breakers (Division 37)

in subclass 51, in note (4) in the reference to "Thermal" circuit makers and breakers, change "subclass 136 and indented subclasses" to read: *subclass 136.5*;

establish the following subclass definitions:

81.8. Devices under subclass 81, of the type in which the operating means includes a flexible, arc-shaped tube, the curvature of which changes in response to changes in the fluid-pressure therein.

Search Class—
73—MEASURING AND TESTING, subclass 109 for pressure gages of the Bourdon tube type.

136.5. Devices under subclass 136 combined with connector coupling means.

(1) Note.—"Connector coupling" as used above refers to electrical connectors, other than mere binding posts, comprising a pair of complementary parts, each having contact means adapted to be readily engaged or disengaged by manipulation of said parts. Such parts are commonly known as plugs, sockets, receptacles, etc.

Search this class, subclass—
51+—and see the notes to the definitions thereof for other circuit makers and breakers combined with connector coupling means.

204, Chemistry, Electrical and Wave Energy (Division 56)

in subclass 16, cancel the existing note and add:

Search Class—
29—METAL WORKING, subclasses 84+, for assembling in general and subclass 179.5 and the classes and subclasses specified in the notes to the definition of that subclass for processes of joining metal parts to non-metal parts by means of a bonded joint.

210, Liquid Separation or Purification (Division 49)

in subclass 155, change "over" to *on* and cancel "into which . . . passed".

211, Supports, Racks (Division 8)

in subclass 54, add:

Search Class—
129—PAPER FILES AND BINDERS, subclasses 4+, for pin and follower type paper files.;

and in subclass 57, add:

Search Class—
129—PAPER FILES AND BINDERS, subclasses 21+, for pin type paper files.

220, Metallic Receptacles (Division 40)

in subclass 82, add:

(0.5) Note.—This subclass includes envelopes made of vitreous, ceramic, or non-metallic plastic material for electric lamps, electric space discharge devices, electric switches and similar devices where the claimed structure is of general application and not limited to use with any specific electric device.

250, Radiant Energy (Divisions 51, 54)

in subclass 27.5, under "Search Class", add:

174—ELECTRICITY—CONDUCTORS AND INSULATORS, subclasses 65+ and the other subclasses specified in the notes to the definitions of those subclasses, for electric space discharge device envelopes when only the envelope and the electrical lead wires or conductors which conduct electric current through the wall of the envelope are claimed. When the envelope is made of a ceramic, vitreous, or non-metallic plastic material, the patent is placed in indented subclass 65.5. Note that subclasses 151+ and the subclasses specified in the notes to the definitions of those subclasses provide for bushings and other devices for insulating a conductor or object from a wall or plate through which the conductor or object extends. Some of these bushings and devices are disclosed for use in insulating lead-ins for electric space discharge devices from the walls of the metal envelope.
220—METALLIC RECEPTACLES, for mere envelopes for electric space discharge devices where the claimed structure is not limited by claimed subject matter to use with electric space discharge devices. Subclasses 45, 46, 66 are some of the subclasses in class 220 which include metal envelopes for electric space discharge devices. Subclass 82 contains the patents claiming such envelopes where the envelope is made at least in part of a ceramic, vitreous, or non-metallic plastic.

279, Chucks or Sockets (Division 52)

in subclass 105, add:

Search Class—
189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous joints between metal and non-metallic parts where the parts are bonded together by means of soldering, welding, casting, cementing or the use of other adhesive, or otherwise united in a bonded joint.

285, Pipe Joints or Couplings (Division 52)

in the main class definition, cancel note 2 and substitute:

(2) Note.—Search class 29, METAL WORKING, subclass 157 for methods of making gas and water fittings and the blanks therefor, and subclass 179.5 and the classes specified in the notes to the definition of that subclass, for methods of uniting a metal part to a non-metallic part so as to form a bonded joint by the use of solder, welding, cementing, or the use of other adhesive, or by the softening and working of one of the parts into adhering relation with the other.;

in subclass 14, number the existing note (2) and add:

(1) Note.—See note (2) to the main class definition.

Search Class—
189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition thereof for miscellaneous bonded joints between metal and non-metallic parts.;

in subclass 74, add:

(1) Note.—For other molded pipe joints, see subclasses 111+, and the notes to the definition of subclass 111.;

in subclass 106, number the existing note (1) and add:

(2) Note.—For other molded pipe joints, see subclasses 111+, and the notes to the definition of subclass 111.;

and in subclass 111, cancel the existing note, and add:

(1) Note.—See note (2) to the main class definition for the class which provides for the process of making molded joints.

Search this class, subclass—
14—for insulated pipe joints of the molded type.
74—for flexible pipes united to a socket by a molded joint.
106—for angled pipe or elbow joints where the joint is of the molded type.

Search Class—
189—METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous joints between a metal part and a non-metallic part of the molded or bonded type.

287, Rod Joints or Couplings (Division 52)

in the main class definition, add:

(0.5) Note.—**Search class** 189, METALLIC BUILDING STRUCTURES, subclass 36.5 and the classes and subclasses specified in the notes to the definition of that subclass for joints either between rod like bodies or between a rod like body and a base head or other non-rod like body where one of the parts is metal and the other part is non-metal and the joint between the metal and non-metallic part is of the bonded type, that is, where the joining is performed by casting, welding, soldering, brazing, cementing, or using other adhesive, or where at least one of the materials to be joined to the other is made plastic and the joint is made by pressing the materials together so that they adhere to each other.;

in subclass 20.2, number the existing note (2) and add:

(1) Note.—Where one of the parts joined to the other by means of the molded joint is metal and the other part of the joint is non-metal, the patent is excluded from this class and will be found in class 189, METALLIC BUILDING STRUCTURES, subclass 36.5 or one of the classes and subclasses specified in the notes to the definition of that subclass. See note (0.5) to the main class definition of this class (287).

294, Handling—Hand and Hoist-Line Implements (Division 4)

in subclass 49 under "(3) Search Classes", add:

211—SUPPORTS, RACKS, subclasses 54, 57, 59, and 125, for racks with impaling means.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 11, 1944

[VOL. 561. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 460,546. GULF & WEST INDIES CO., INC., New York, N. Y. Filed May 11, 1943.

CAL-TUF
SPONGE-PAK

Applicant is the owner of Regs. Nos. 246,516 and 400,724. The compound word "Sponge-Pak" is disclaimed apart from the mark.

FOR SPONGES.

Claims use since Apr. 1, 1942.

Ser. No. 460,547. GULF & WEST INDIES CO., INC., New York, N. Y. Filed May 11, 1943.



Queen BRAND
CHAMOIS

The words "Brand" and "Chamois" are disclaimed apart from the mark. The portrait is fanciful.

FOR CHAMOIS.

Claims use since Apr. 1, 1935.

Ser. No. 467,092. DE BARDELEBEN COAL CORPORATION, Birmingham, Ala. Filed Feb. 2, 1944.

EMPIRE
"THAT GOOD COKE"

Applicant is the owner of Reg. No. 295,365. No claim is made to "Good" and "Coke" except as shown.

FOR COKE.

Claims use since Jan. 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 464,274. SERVEL, INC., Evansville, Ind., and New York, N. Y. Filed Oct. 20, 1943.

SERVEL

FOR CLEANING AND POLISHING COMPOUND FOR CLEANING AND POLISHING PAINTED, ENAMELED AND PORCELAIN SURFACES.

Claims use since January 1939.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 456,311. LARKIN STORE CORPORATION, Buffalo, N. Y. Filed Oct. 21, 1942. Under 10-year proviso.

MODJESKA

The mark is the stage name of a famous actress, now deceased.

FOR TOILET PREPARATIONS—NAMELY, TOILET WATER, SACHET, TALCUM POWDER, AND PERFUME.

Claims use since January 1895.

Ser. No. 462,342. RICHARD HUDNUT, New York, N. Y. Filed July 27, 1943.



FOR BODY POWDER, TALC SACHET, BATH SALTS, FACE POWDER, ROUGE PARFAIT, LIPSTICK, EYE SHADOW, BEAUTY CAKE, SPECIAL CLEANSING CREAM, SPECIAL SKIN CREAM, ROSE CREAM MASK AND MAKEUP BASE.

Claims use on face powder since 1940; on makeup base, eye shadow, bath salts and body powder since 1941; on rouge parfait, special cleansing cream and rose cream mask since 1942; and on talc sachet, lipstick, beauty cake and special skin cream since 1943.

Ser. No. 464,135. ALBERT GLADSON, doing business as Pneumocol Company, Cleveland, Ohio. Filed Oct. 14, 1943.

Pneumocol

FOR OINTMENT USED IN THE TREATMENT OF ALL FORMS OF RHEUMATISM, NEURALGIA, MYALGIA, SCIATICA AND NEURITIS, AND PULMONARY AFFECTIONS—NAMELY, ACUTE CONGESTION, BRONCHITIS, PLEURISY, INTERCOSTAL NEURALGIA, AND BRONCO PNEUMONIA.
Claims use since Feb. 27, 1929.

Ser. No. 464,804. ALLIED TOILETRIES, INC., Philadelphia, Pa. Filed Nov. 8, 1943.

Carole Anne

FOR FOAM BATH, LIPSTICKS, TOILET WATER, PERFUME, FACE POWDER, LEG LOTION, LIQUID LOTION.
Claims use since June 1942.

Ser. No. 465,288. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y. Filed Nov. 25, 1943.

Ad

FOR WATER SOFTENER.
Claims use since June 15, 1942.

Ser. No. 465,298. ROSE SCHALLER, doing business as Machinery Supplies Comp., New York, N. Y. Filed Nov. 25, 1943.

RU-PRE-SOL

FOR PREPARATIONS FOR DISSOLVING AND REMOVING RUST AND FOR RUST PREVENTION.
Claims use since Aug. 1, 1943.

Ser. No. 465,743. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed Dec. 13, 1943.

Reliance

FOR INSECTICIDES, AND SPECIFICALLY ANT POISON.
Claims use since Feb. 13, 1925.

Ser. No. 466,198. GABY, INC., Philadelphia, Pa. Filed Dec. 30, 1943.

Gaby

FOR BEAUTY AND TOILET PREPARATIONS FOR THE CARE, EMBELLISHMENT AND PRESERVATION AND TO ENHANCE THE ATTRACTIVENESS AND IMPROVE THE APPEARANCE AND CONTRIBUTE TO THE CLEANLINESS, COMFORT AND HYGIENE OF THE PERSON—NAMELY, ANTISEPTICS, ASTRINGENTS, BLEACHES, BRILLIANTINES, CLEANSERS, COMPACTS, CONDITIONERS, CREAMS, DEODORANTS, DEPILLATORIES, DYES, EMOLLIENTS, ENAMELS, INSECT REPELLENTS, LOTIONS, MASCARAS, MASKS, MAKE-UP, PASTES, PENCILS, POMADES, POWDERS, PERFUMES, REFRESHENERS, RINSES, ROUGES, SCENTS, SHADINGS, SHADOWINGS, TINTS, TOILET WATERS (EAU DE COLOGNE), WASHES, WHETHER PACKAGED INDIVIDUALLY OR IN BOXES, CASES, KITS, OR OTHER PLAIN AND FANCY CONTAINERS FOR DISTRIBUTION IN COMMERCE.
Claims use since May 22, 1930.

Ser. No. 466,375. FAREL DESTIN, INC., New York, N. Y. Filed Jan. 7, 1944.

PITCH
RED

The word "Red" is disclaimed apart from the mark.
FOR LIPSTICK AND ROUGES.
Claims use since Aug. 4, 1943.

Ser. No. 466,716. ASSOCIATED DISTRIBUTORS, Chicago, Ill. Filed Jan. 20, 1944.

TABU

FOR LIPSTICK, ROUGE, ANTIPERSPIRANT, DEODORANT, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, FACE POWDER, COLD CREAM, FACIAL MAKE-UP, HAND LOTION, BODY LOTION, LEG MAKE-UP, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, NAIL POLISH, NAIL POLISH REMOVER, NAIL LACQUER, NAIL WHITE, NAIL REPAIR, NAIL OIL, NAIL BALM, NAIL SALVE, CUTICLE REMOVER, AND PERFUMES.
Claims use since December 1932.

Ser. No. 466,717. ASSOCIATED DISTRIBUTORS, Chicago, Ill. Filed Jan. 20, 1944.

TATTOO

FOR LIPSTICK, ROUGE, ANTIPERSPIRANT, DEODORANT, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, FACE POWDER, COLD CREAM, FACIAL MAKE-UP, HAND LOTION, BODY LOTION, LEG MAKE-UP, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, NAIL POLISH, NAIL POLISH REMOVER, NAIL LACQUER, NAIL WHITE, NAIL REPAIR, NAIL OIL, NAIL BALM, NAIL SALVE, CUTICLE REMOVER, AND PERFUMES.
Claims use since Aug. 8, 1932.

Ser. No. 466,940. COTY, INC., New York, N. Y. Filed Jan. 28, 1944.

EPREUVE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Dec. 29, 1943.

Ser. No. 466,991. THE HOUSE OF HOLLYWOOD, Los Angeles, Calif. Filed Jan. 29, 1944.

SULPHAID

FOR OINTMENT FOR THE TREATMENT OF BURNS, ABRASIONS, BRUISES, AND THE LIKE.
Claims use since Oct. 1, 1943.

Ser. No. 467,046. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 31, 1944.

PROMIZOLE

FOR CHEMOTHERAPEUTIC AGENT FOR USE IN THE TREATMENT OF BACTERIAL INFECTIONS.
Claims use since Dec. 23, 1943.

CLASS 10
FERTILIZERS

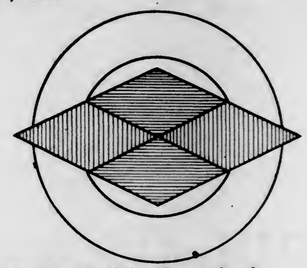
Ser. No. 464,437. HERCULES POWDER COMPANY, Wilmington, Del. Filed Oct. 27, 1943.

HERPOCO

FOR FERTILIZER COMPOUND.
Claims use since Aug. 17, 1943.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 460,688. HENRY A. BRANDMEIR, doing business as Brandmeir Lumber Company, Seattle, Wash. Filed May 18, 1943.



The drawing is lined for blue and red.
FOR LUMBER.
Claims use since Nov. 15, 1919.

Ser. No. 462,896. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Aug. 20, 1943.

WESCOTE

FOR ASPHALT FELT ROLL ROOFING AND SHINGLES.
Claims use since Nov. 19, 1942.

Ser. No. 466,378. INLAND STEEL COMPANY, Chicago, Ill. Filed Jan. 7, 1944.

HI-BOND

FOR RE-INFORCING STEEL BARS FOR USE IN CONCRETE CONSTRUCTIONS.
Claims use since Nov. 4, 1943.

CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 458,712. SIMMONDS AEROCESSORIES LIMITED, Brentford, England. Filed Feb. 23, 1943.

PINNACLE

FOR METAL NUTS, BOLTS, WASHERS, AND CLIPS.
Claims use since Dec. 7, 1942.

Ser. No. 463,717. DALLAS E. WALKER, doing business as Art Craft Metal Works, Tampa, Fla. Filed Sept. 27, 1943.

Art Craft
GRILLE

No claim is made to the word "Grille" apart from the mark.
FOR METAL GRILLE FENCING, TRELLISES, AND GATES.
Claims use since Jan. 1, 1932.

Ser. No. 466,536. MULLINS MANUFACTURING CORPORATION, Salem and Warren, Ohio. Filed Jan. 13, 1944.

YPS

FOR SINKS AND COMBINED SINKS AND CABINETS.
Claims use since Mar. 12, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 466,778. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Jan. 22, 1944.

POLAREX

FOR LUBRICATING OILS.
Claims use since June 2, 1923.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 464,488. NATIONAL CIGAR CORPORATION, Wilmington, Del.; Frankfort, Ind.; and Cincinnati, Ohio. Filed Oct. 28, 1943.

LINCOLN HIGHWAY

The name "Lincoln" is disclaimed apart from the mark.
FOR CIGARS.
Claims use since Nov. 1, 1913.

Ser. No. 467,070. LINCOLN & ULMER INC., New York, N. Y. Filed Feb. 1, 1944.

"VENICTOS"

FOR CIGARS, CIGARETTES, AND SMOKING TOBACCO.
Claims use since Jan. 28, 1944.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 464,778. CURTISS-WRIGHT CORPORATION, New York and Buffalo, N. Y.; Columbus, Ohio; St. Louis, Mo.; and Louisville, Ky. Filed Nov. 6, 1943.

HELL-DIVER

FOR AIRPLANES AND STRUCTURAL PARTS THEREFOR.
Claims use since Oct. 28, 1930.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 464,013. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee and West Allis, Wis. Filed Oct. 9, 1943.

MAGNA BOND

Applicant disclaims the word "Bond" except as shown.
FOR ELECTRICAL INSULATOR BONDING MATERIALS—NAMELY, ELECTRICAL INSULATOR CUSHION COMPOUND, ELECTRICAL INSULATOR BUSHING CEMENT POWDER, ELECTRICAL INSULATOR BUSHING CEMENT LIQUID, AND ELECTRICAL INSULATOR ENAMEL FOR USE IN FORMING BONDS BETWEEN ELECTRICAL INSULATOR PARTS.
Claims use since Sept. 15, 1943.

Ser. No. 465,615. THE BRISTOL COMPANY, Waterbury, Conn. Filed Dec. 8, 1943.

MILLIVAC

FOR THERMALLY-OPERATED ELECTRICAL APPARATUS—NAMELY, RELAYS WHEREIN CIRCUIT CONTROLLING ELEMENTS ARE ACTUATED BY ELECTRICALLY HEATED THERMAL MEMBERS, THE WHOLE BEING ENCLOSED IN A GAS-TIGHT ENVELOPE, EVACUATED OR OTHERWISE MAINTAINED AT NON-ATMOSPHERIC CONDITIONS.
Claims use since June 1940.

Ser. No. 466,967. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Jan. 28, 1944.



FOR TELEVISION RECEIVING AND AMPLIFYING APPARATUS AND PARTS THEREOF.
Claims use since 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 464,732. LANDON P. SMITH, INC., Irvington, N. J. Filed Nov. 4, 1943.

Red Devil

FOR GOLF TEES.
Claims use since July 8, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 454,935. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Aug. 17, 1942.

CAMEL

FOR CASE AND CONTAINER CONVEYORS, CAN WASHERS, STERILIZERS, DRIERS, AND FOR OTHER STATIONARY AND MECHANICAL DEVICES HAVING A POWER-OPERATED CHAIN LINK BELT OR BELTS FOR MOVING CANS OR CASES.
Claims use since November 1940.

Ser. No. 458,615. REX-O-GRAPH, INC., Milwaukee, Wis. Filed Feb. 18, 1943.

REX-O-graph

FOR BUSINESS MACHINES—NAMELY, DUPLICATING MACHINES, BOTH HAND AND MOTOR DRIVEN.
Claims use since July 3, 1934.

Ser. No. 465,227. FOOD MACHINERY CORPORATION, San Jose, Calif. Filed Nov. 23, 1943.

FMC

FOR FLUID SPRAY PROJECTING FIRE FIGHTING APPARATUS.
Claims use since Nov. 12, 1941.

Ser. No. 465,416. DIAGRAPH-BRADLEY STENCIL MACHINE CORPORATION, St. Louis, Mo. Filed Dec. 1, 1943.

D.B.

FOR STENCIL CUTTING MACHINES—I. E., MACHINES FOR PERFORATING OR CUTTING THE OPENINGS IN STENCILS, AND LABEL PASTERS—I. E., MACHINES FOR APPLYING ADHESIVE TO THE BACKS OF LABELS.
Claims use since Nov. 12, 1943.

Ser. No. 466,333. THE REFINITE CORPORATION, Omaha, Nebr. Filed Jan. 5, 1944.

REFINITE
RIVAL OF THE CLOUDS

FOR MACHINES FOR EFFECTING THE SOFTENING OF WATER.
Claims use since Jan. 1, 1920.

Ser. No. 466,996. DAVID LEVINE, doing business as Plating Equipment & Supply Company, New York, N. Y. Filed Jan. 29, 1944.

PESCO

FOR PLATING AND POLISHING MACHINES AND PARTS THEREOF.
Claims use since June 1, 1935.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 465,612. THE BRISTOL COMPANY, Waterbury, Conn. Filed Dec. 8, 1943.

B-LINATOR

FOR AUXILIARY CONTROL APPARATUS FOR AUTOMATIC REGULATORS—NAMELY, APPARATUS FOR ELIMINATING AND MINIMIZING "HUNTING," OVERSHOOTING, AND UNDESIRABLE OSCILLATION OR DELAYS IN THE ATTAINMENT OF A PREDETERMINED VALUE BY A REGULATED VARIABLE.
Claims use since October 1934.

Ser. No. 465,614. THE BRISTOL COMPANY, Waterbury, Conn. Filed Dec. 8, 1943.

METAVANE

FOR APPARATUS FOR USE IN PNEUMATIC TELEMETERING SYSTEMS—NAMELY, APPARATUS WHEREIN A FLUID PRESSURE IS MADE PROPORTIONAL TO, OR REPRESENTATIVE OF, THE VALUE OF A MEASURED MAGNITUDE AT THE POINT OF MEASUREMENT, AND IS QUANTITIVELY DETERMINED AT A REMOTE POINT WHEREBY AT SAID REMOTE POINT THERE IS EXHIBITED A VALUE OF THE MAGNITUDE UNDER MEASUREMENT.
Claims use since September 1938.

Ser. No. 467,053. LEW SUVERKROP, Bakersfield, Calif. Filed Jan. 31, 1944.

UNIVERSAL

FOR SURVEYING INSTRUMENTS — NAMELY, TRANSITS, MAGNETIC COMPASSES, BUBBLE SEXTANTS, HAND LEVELS, ABNEY LEVELS, SURVEYORS' LEVELS, CLINOMETERS, GONIOMETERS, STADIA INSTRUMENTS FOR TELEMETRIC SURVEYING, PLANE TABLE ALIDADES, AND ATTACHMENTS AND PARTS THEREFOR.
Claims use since Sept. 10, 1943.

Ser. No. 467,364. ACTINA, INC., New York, N. Y. Filed Feb. 12, 1944.

ACTINA

FOR SENSITIZED PHOTOGRAPHIC MATERIALS OF PAPER, FILM, AND GLASS.
Claims use since Feb. 1, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 464,761. JOHN RUBEL, doing business as John Rubel Co., New York, N. Y. Filed Nov. 5, 1943.

DANCING BIRDS

FOR BROOCHES, BRACELETS, NECKLACES, LAVALIERES, PENDANTS, AND BUCKLES FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since August 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 466,491. SERVEL, INC., Evansville, Ind., and New York, N. Y. Filed Jan. 11, 1944.

SERVEL

FOR GAS WATER HEATERS.
Claims use since August 1942.

CLASS 37

PAPER AND STATIONERY

Ser. No. 461,461. A. W. FABER, INC., Newark, N. J. Filed June 17, 1943. Under 10-year proviso as to "A. W. Faber."

A.W. FABER V···— MAIL

Applicant is the owner of Reg. No. 86,582 (renewed), effected under the 10-year proviso. Applicant disclaims the term "V . . . — Mail" apart from the mark.
FOR LEAD PENCILS.
Claims use since Feb. 5, 1943; and since 1851 for the name "A. W. Faber."

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 465,848. NATURAL VISION EQUIPMENT CORPORATION, New York, N. Y. Filed Dec. 17, 1943.

NATURAL VISION

FOR PUBLICATIONS, CHARTS, AND DRAWINGS IN THE MOTION PICTURE EQUIPMENT FIELD PUBLISHED FROM TIME TO TIME.
Claims use since Dec. 15, 1935.

CLASS 39

CLOTHING

Ser. No. 432,339. CENTRAL KNITWEAR MILLS, INC., New York, N. Y. Filed May 25, 1940.

LA CONGA

FOR LADIES' AND MISSES' SWEATERS, SWEATER ENSEMBLES, CONSISTING OF A SWEATER AND COAT, BATHING SUITS, AND SLACKS.
Claims use since January 1940.

Ser. No. 465,869. H. L. B. CORPORATION, New York, N. Y. Filed Dec. 18, 1943.

B HOLLBY

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' LEATHER SPORT COATS AND JACKETS.
Claims use since Dec. 1, 1942.

Ser. No. 466,688. CHARACTERS, INCORPORATED, Norwich, N. Y. Filed Jan. 19, 1944.

SKIVVIES

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' UNDERWEAR AND SPORT SHIRTS.
Claims use since Apr. 7, 1943.

Ser. No. 467,196. HARRY M. HOLLUB, doing business as Cotton Classics, New York, N. Y. Filed Feb. 5, 1944.

Marvida

FOR LADIES' DRESSES, BRUNCH COATS, AND NURSES' UNIFORMS.
Claims use since Dec. 15, 1943.

Ser. No. 467,198. LIONDALE SHIRT COMPANY, New York, N. Y. Filed Feb. 5, 1944.

Foresight

FOR MEN'S AND BOYS' DRESS SHIRTS AND SPORT SHIRTS.
Claims use since Dec. 3, 1943.

Ser. No. 467,229. BLUE SWAN MILLS, INC., New York, N. Y. Filed Feb. 7, 1944.

BONNIKINS

FOR LADIES' AND CHILDREN'S UNDERWEAR.
Claims use since Jan. 28, 1944.

Ser. No. 467,351. NANTEX MANUFACTURING CO., New York, N. Y. Filed Feb. 11, 1944.

MAN CLAD

FOR MEN'S ATHLETIC UNDERWEAR.
Claims use since June 10, 1942.

Ser. No. 467,399. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Feb. 14, 1944.

Plastilux

FOR WOMEN'S UNDERWEAR.
Claims use since Jan. 6, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 466,934. ROTH FABRICS CORPORATION, New York, N. Y. Filed Jan. 27, 1944.

Talk o' the Town

FOR SILK AND RAYON FABRICS IN THE PIECE.
Claims use since Nov. 18, 1935.

Ser. No. 467,378. RUTGER FABRICS CORP., New York, N. Y. Filed Feb. 12, 1944.

KOOLBROOK

FOR RAYON AND COTTON PIECE GOODS.
Claims use since January 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 441,393. J. C. ENO (U. S.), LIMITED, Bloomfield, N. J. Filed Mar. 10, 1941. Under 10-year proviso.

ENO

FOR NON-ALCOHOLIC MALTLESS BEVERAGE AND COMPOUND FOR MAKING THE SAME.
Claims use since 1874.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 449,594. WILTZ W. WAGNER, doing business as Chas. P. Wagner & Bro., New Orleans, La. Filed Dec. 18, 1941.

Thumbs-Up

FOR FRUIT PREPARATION FOR FLAVORING ICE CREAM, SAID PREPARATION INCLUDING MELONS AND FRUITS, OTHER THAN CITRUS FRUITS, CUT INTO SMALL PIECES AND MIXED WITH THEIR JUICES AND NUTS AND SYRUP.
Claims use since Dec. 9, 1941.

Ser. No. 464,507. HARPER FEED MILLS, INC., Pittsburgh, Pa. Filed Oct. 29, 1943.

HARCO VIGORIZER

Applicant is owner of registration No. 352,979, issued Dec. 21, 1937. Applicant disclaims "Vigorizer" apart from the mark.
FOR POULTRY FEEDS CONTAINING CORN MEAL, BRAN, GROUND WHEAT, PULVERIZED OATS, LINSEED OIL MEAL, SOYA BEAN OIL MEAL, AND OTHER INGREDIENTS.
Claims use since July 1, 1943.

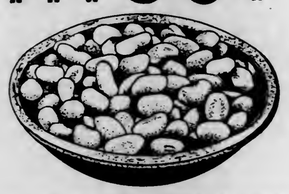
Ser. No. 466,980. EARL J. CHAPPEL, Rockford, Ill. Filed Jan. 29, 1944.

CHAPPIE-RATION

The word "Ration" is disclaimed apart from the mark.
FOR CANNED DOG FOOD.
Claims use since Apr. 22, 1938.

Ser. No. 467,073. NUTRISOY COMPANY, New York, N. Y. Filed Feb. 1, 1944.

MYSOY



The representation of the goods is disclaimed apart from the mark.
FOR CANNED SOY BEANS.
Claims use since January 1944.

Ser. No. 467,405. O. R. RECKER, doing business as O. R. Recker Packing Co., Phoenix, Ariz. Filed Feb. 14, 1944.



FOR FRESH VEGETABLES.
Claims use since November 1942.

CLASS 47

WINES

Ser. No. 462,032. GLENN A. SMITH, doing business as Santa Nella Vineyards, Los Angeles, Calif. Filed July 12, 1943.

DEL NORTE

FOR WINES.
Claims use since Mar. 1, 1942.

Ser. No. 467,325. TRANSAMERICA WINE CORP., New York, N. Y. Filed Feb. 10, 1944.

CONCADOR

FOR WINES.
Claims use since August 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 462,033. GLENN A. SMITH, doing business as Santa Nella Vineyards, Los Angeles, Calif. Filed July 12, 1943.

DEL NORTE

FOR BRANDY.
Claims use since Mar. 1, 1942.

Ser. No. 464,394. SIMON LEVI CO., LTD., Los Angeles, Calif. Filed Oct. 25, 1943.



FOR TEQUILA.
Claims use since Sept. 14, 1943.

Ser. No. 466,400. BERNHEIM DISTILLING COMPANY, Louisville, Ky. Filed Jan. 8, 1944.

Old Blue Ribbon

No claim is made to the word "Old" apart from the mark.
FOR WHISKEY.
Claims use since 1876.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 466,335. W. G. SHELTON CO., INC., St. Louis, Mo. Filed Jan. 5, 1944.

GEM

FOR KIT COMPRISING AN APPARATUS FOR GIVING SO-CALLED PERMANENT WAVES TO THE HUMAN HAIR AND CONTAINING THE FOLLOWING ARTICLES: SOLUTIONS FOR SOFTENING THE HAIR, NEUTRALIZING SOLUTIONS, COVERING FOR THE HAIR TO RETARD EVAPORATION OF SOLUTIONS, PINS FOR TUCKING IN AND SMOOTHING THE ENDS OF THE HAIR WHEN WINDING, PADS FOR MAKING TEST CURLS, PAPERS FOR RETAINING WOUND STRANDS OF HAIR AGAINST UNWINDING, AND LIQUID FOR GIVING SHEEN TO THE HAIR IN THE COMPLETED CURL.
Claims use since Dec. 16, 1943.

Ser. No. 466,512. THE PANTASOTE LEATHER COMPANY, Passaic, N. J. Filed Jan. 12, 1944.

PANTONE

Applicant is the owner of Regs. Nos. 31,000 and 57,945, both renewed.
FOR COATED TEXTILE FABRICS USED AS A LEATHER SUBSTITUTE.
Claims use since Dec. 23, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 11, 1944

406,512. CORSETS, GIRDLES, FOUNDATIONS, BRASSIÈRES, AND BANDEAUX. KABO CORSET COMPANY, Chicago, Ill.
Filed May 1, 1940. Serial No. 431,453. PUBLISHED SEPTEMBER 24, 1940. Class 39.

406,513. WOMEN'S AND MISSES' WEARING APPAREL—NAMELY, HATS, BONNETS, BERETS, CAPS, HOODS, AND SNOODS, UNDERWEAR, VESTS, PANTIES, UNDERDRAWERS, STEP-INS, ETC. BENJAMIN R. BRODY, New York, N. Y.
Filed April 16, 1941. Serial No. 442,622. PUBLISHED JUNE 30, 1942. Class 39.

406,514. COSMETICS—NAMELY, FACE POWDER, BATH POWDER, BATH PERFUMES, ROUGE, AND LIPSTICKS. MILKMAID, INC., New York, N. Y.
Filed April 17, 1942. Serial No. 452,400. PUBLISHED JULY 28, 1942. Class 6.

406,515. WORK GLOVES. WELLS LAMONT SMITH CORPORATION, Chicago, Ill., now by change of name, Wells Lamont Corporation, a corporation of Minnesota.
Filed June 30, 1942. Serial No. 453,970. PUBLISHED OCTOBER 6, 1942. Class 39.

406,516. LEG BANDS FOR WEAR WITH FOUNDATION GARMENTS. BEAU-T-FORM FOUNDATIONS, INC., Chicago, Ill.
Filed October 9, 1942. Serial No. 456,090. PUBLISHED DECEMBER 21, 1943. Class 39.

406,517. FABRICS CONSISTING OF PIECE GOODS BEING OF RAYON. RELIABLE TEXTILE CO., INC., New York, N. Y.
Filed October 24, 1942. Serial No. 456,406. PUBLISHED JANUARY 25, 1944. Class 42.

406,518. INGREDIENT FOR USE AS A SOFTENING AGENT IN ADHESIVES. THE NULOMOLINE COMPANY, New York, N. Y.
Filed December 11, 1942. Serial No. 457,341. PUBLISHED JANUARY 18, 1944. Class 6.

406,519. MEN'S AND BOYS' HATS AND CAPS. COMMODORE HAT CO., INC., New York, N. Y.
Filed December 24, 1942. Serial No. 457,586. PUBLISHED JANUARY 4, 1944. Class 39.

406,520. LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES. MORRIS W. HAFT & BROTHERS, New York, N. Y.
Filed January 19, 1943. Serial No. 458,013. PUBLISHED OCTOBER 19, 1943. Class 39.

406,521. OPEN MESH BAGS. FULTON BAG AND COTTON MILLS, Atlanta, Ga.
Filed January 29, 1943. Serial No. 458,222. PUBLISHED FEBRUARY 1, 1944. Class 2.

406,522. DEODORANT FOR INDUSTRIAL, INSTITUTIONAL, AND COMMERCIAL USE. O. D. CHEMICAL CORPORATION, New York, N. Y.
Filed March 16, 1943. Serial No. 459,152. PUBLISHED JANUARY 18, 1944. Class 6.

406,523. BUCKLES, COLLAR CLASPS, COLLAR BUTTONS, COLLAR PINS, COMPOSED OF NONPRECIOUS METAL, AND BOUTONNIERES MADE OF ARTIFICIAL FLOWERS. GLOBE NOVELTY HOUSE, New York, N. Y.
Filed March 25, 1943. Serial No. 459,338. PUBLISHED JANUARY 25, 1944. Class 40.

406,524. WEATHERPROOFED PACKING AND SHIPPING CRATES, BOXES AND BOX PANELS CONSTRUCTED OF IMPREGNATED WOOD AND PLYWOOD, TO PROVIDE WEATHERPROOFED PROTECTIVE DEVICES FOR GOODS TO BE STORED OR SHIPPED. CHICAGO MILL AND LUMBER COMPANY, Chicago, Ill.
Filed March 26, 1943. Serial No. 459,360. REPUBLISHED FEBRUARY 1, 1944. Class 2.

406,525. WOMEN'S DRESSES, SUITS, CAPS, HATS, AND SHOES OF ALL TYPES MADE OF LEATHER, RUBBER, FABRIC, OR ANY COMBINATION THEREOF. ZINAIDA HARPIGNIES, New York, N. Y.
Filed March 29, 1943. Serial No. 459,469. PUBLISHED JUNE 22, 1943. Class 39.

406,526. SAFETY TREADS, TILES, AND FLOORING SURFACED WITH MINERAL AGGREGATE AND COMPOSITION SURFACED SAFETY FLOOR GRIDS. THE OHIO RUBBER COMPANY, Willoughby, Ohio.
Filed March 31, 1943. Serial No. 459,549. PUBLISHED FEBRUARY 1, 1944. Class 12.

406,527. PIECE GOODS COMPRISING RAYON AND COTTON. ALFRED VAMOS, New York, N. Y.
Filed April 1, 1943. Serial No. 459,574. PUBLISHED FEBRUARY 1, 1944. Class 42.

406,528. SHOES OF LEATHER FOR CHILDREN. WM. T. KNOTT COMPANY, INC., New York, N. Y.
Filed April 7, 1943. Serial No. 459,690. PUBLISHED JUNE 29, 1943. Class 39.

406,529. MEDICAMENT — NAMELY, A SALVE OR OINTMENT TO BE APPLIED TO THE SKIN FOR IRRITATIONS OR AILMENTS THEREOF. NORTHERN ORDNANCE INCORPORATED, Minneapolis, Minn.
Filed April 10, 1943. Serial No. 459,794. PUBLISHED JANUARY 18, 1944. Class 6.

406,530. FURNITURE — NAMELY, BOOK CASES, DESKS, CORNER CABINETS, DRAWER CHESTS, NIGHT STANDS, COFFEE TABLES, END TABLES, VANITY DRESSING TABLES, AND TELEPHONE STANDS. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed April 15, 1943. Serial No. 459,915. PUBLISHED FEBRUARY 1, 1944. Class 32.

406,531. MECHANICAL CALCULATING CHARTS FOR USE IN DETERMINING PERIODS IN THE MENSTRUAL CYCLE. GILMORE L. TILBROOK, Washington, D. C.
Filed April 17, 1943. Serial No. 459,968. PUBLISHED FEBRUARY 1, 1944. Class 26.

406,532. BOLTING CLOTH MADE WHOLLY OF SILK FOR INDUSTRIAL USE IN SIFTING FLOUR AND THE LIKE. WINTERTHUR SILKS LIMITED, London, England, and Dunfermline, Scotland.
Filed April 22, 1943. Serial No. 460,102. PUBLISHED AUGUST 24, 1943. Class 42.

406,533. DENTURE ADHESIVE POWDER FOR HOLDING FALSE TEETH IN POSITION. H. LYNN UNDERWOOD, doing business as Underwood Products, Greenville, Ohio.

Filed May 3, 1943. Serial No. 460,394. PUBLISHED JANUARY 18, 1944. Class 6.

406,534. ADHESIVE MEDICATED SHIELDS OR PADS FOR CORNS, CALLOUSES, AND BUNIONS. THE SCHOLL MFG. CO., INC., Chicago, Ill.

Filed May 15, 1943. Serial No. 460,658. PUBLISHED JANUARY 18, 1944. Class 6.

406,535. HOSIERY. SAMUEL R. PENNEYS, doing business as Sa-Ro Hosiery Company, Philadelphia, Pa.

Filed May 20, 1943. Serial No. 460,767. PUBLISHED AUGUST 3, 1943. Class 39.

406,536. THREAD AND YARN. ADELAIDE MILLS, Anniston, Ala.

Filed May 24, 1943. Serial No. 460,861. PUBLISHED FEBRUARY 1, 1944. Class 43.

406,537. WOMEN'S AND GIRLS' SWEATERS. RENART SPORTSWEAR CORP., New York, N. Y.

Filed June 2, 1943. Serial No. 461,101. PUBLISHED AUGUST 24, 1943. Class 39.

406,538. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF INFECTIONS, FEVERS, AND OTHER CONDITIONS, AND FOR RELIEVING THE TOXIC EFFECTS INCIDENT TO SULFANILAMIDE THERAPY, IN THE FORM OF TABLETS CONTAINING SULFANILAMIDE AND SODIUM BICARBONATE. VAN PELT & BROWN, INC., Richmond, Va.

Filed June 4, 1943. Serial No. 461,154. PUBLISHED JANUARY 18, 1944. Class 6.

406,539. FLINTS OR SPARKING METAL FOR LIGHTERS. BELSIC PRODUCTS, New York, N. Y.

Filed June 18, 1943. Serial No. 461,478. PUBLISHED FEBRUARY 1, 1944. Class 34.

406,540. POISON FOR EARWIGS AND OTHER INSECTS. HALLA M. HARRISON, doing business as The Kil-A-Wig Co., Portland, Oreg.

Filed June 26, 1943. Serial No. 461,690. PUBLISHED JANUARY 18, 1944. Class 6.

406,541. LIGNIN PRODUCTS—NAMELY, LIGNIN CERAMIC AIDS, LIGNIN DISPERSING AGENTS, LIGNIN EMULSIFYING AGENTS, LIGNIN COMPOUNDS FOR RUBBER COMPOUNDING, LIGNIN SULPHONATES, LIGNIN TANNING COMPOUNDS, AND LIGNIN COMPOUNDS AND DERIVATIVES HAVING GENERAL USE IN THE INDUSTRIAL ARTS. MARATHON PAPER MILLS COMPANY, Rothschild, Wis.

Filed July 1, 1943. Serial No. 461,799. PUBLISHED NOVEMBER 2, 1943. Class 6.

406,542. DRUG KNOWN CHEMICALLY AS d-N-METHYLAMPHETAMINE OR d-DESOXYEPHEDRINE WHICH IS USED FOR ITS STIMULATING EFFECT ON THE CENTRAL NERVOUS SYSTEM AND TO COMBAT LOW BLOOD PRESSURE DURING OPERATIONS. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.

Filed July 3, 1943. Serial No. 461,839. PUBLISHED SEPTEMBER 14, 1943. Class 6.

406,543. BRAZING FLUX. AIR REDUCTION SALES COMPANY, New York, N. Y.

Filed July 7, 1943. Serial No. 461,901. PUBLISHED JANUARY 25, 1944. Class 6.

406,544. MECHANICAL GYRO-COMPASSES, MECHANICAL GYROPILOTS, GYROSCOPIC ARTIFICIAL HORIZONS, DIRECTIONAL GYROSCOPES, GYROSCOPIC TURN AND BANK INDICATING INSTRUMENTS, AND GYROSCOPIC TESTING INSTRUMENTS. SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y.

Filed July 8, 1943. Serial No. 461,936. PUBLISHED FEBRUARY 1, 1944. Class 26.

406,545. MATERIALS STAMPED WITH DESIGNS FOR ART NEEDLEWORK FOR MAKING TABLECLOTHS, TABLE NAPKINS, BEDROOM SETS, LIVING ROOM SETS, COCKTAIL SETS, TOWELS, BRIDGE SETS, VANITY SETS, PILLOW CASES, SEWING MACHINE COVERS, AND EMBROIDERY PIECES AND SETS. MORRIS ABRAMS, doing business as Merribee Art Embroidery Company, New York, N. Y.

Filed July 27, 1943. Serial No. 462,329. PUBLISHED JANUARY 4, 1944. Class 40.

406,546. DIAPHRAGM VALVES. SAUNDERS VALVE COMPANY OF AMERICA, INC., New York, N. Y.

Filed August 4, 1943. Serial No. 462,518. PUBLISHED FEBRUARY 1, 1944. Class 13.

406,547. MEDICAL PREPARATION, AN OINTMENT OF CRUDE COAL TAR AND ZINC OXIDE FOR USE IN TREATMENT OF SKIN DISEASES. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed August 7, 1943. Serial No. 462,593. PUBLISHED JANUARY 4, 1944. Class 6.

406,548. MEDICAL PREPARATION, A DRESSING OINTMENT DESIGNED FOR IRRITATED NIPPLES OF NURSING MOTHERS. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed August 7, 1943. Serial No. 462,595. PUBLISHED JANUARY 4, 1944. Class 6.

406,549. FINISHING COMPOUNDS FOR USE IN THE MANUFACTURE OR TREATMENT OF TEXTILE FIBRES AND FABRICS, ETC. RICHARD W. TAYLOR, doing business as R. W. Taylor & Company, Boston, Mass.

Filed August 19, 1943. Serial No. 462,862. PUBLISHED JANUARY 4, 1944. Class 6.

406,550. SHOES MADE OF LEATHER, FABRIC, RUBBER, OR A COMBINATION OF THESE MATERIALS. NANCEE HAT SHOPS, INC., St. Louis, Mo.

Filed August 23, 1943. Serial No. 462,951. PUBLISHED DECEMBER 21, 1943. Class 39.

406,551. DECORATED LETTER PAPER FOR SOCIAL CORRESPONDENCE. THE STANLEY MANUFACTURING COMPANY, Dayton, Ohio.

Filed September 2, 1943. Serial No. 463,184. PUBLISHED FEBRUARY 1, 1944. Class 37.

406,552. ANAESTHETIC FOR CLEANSING WOUNDS AND FOR THE ALLEVIATION OF PAIN. IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, Slough, England.

Filed September 3, 1943. Serial No. 463,204. PUBLISHED JANUARY 18, 1944. Class 6.

406,553. SHOES MADE WHOLLY OR IN PART OF LEATHER. WEYENBERG SHOE MANUFACTURING COMPANY, Milwaukee, Wis.

Filed September 6, 1943. Serial No. 463,257. PUBLISHED DECEMBER 7, 1943. Class 39.

406,554. ENCEPHALOGRAPHS, ELECTROENCEPHALOGRAPHS, ELECTRO-SHOCK APPARATUS FOR PASSING AN ELECTRIC CURRENT THROUGH THE BRAIN OF A PATIENT TO IMPART A SHOCK, ETC. RAHM INSTRUMENTS, INC., New York, N. Y.

Filed September 8, 1943. Serial No. 463,277. PUBLISHED FEBRUARY 1, 1944. Class 44.

406,555. CORDUROY PIECE GOODS. HOCKMEYER BROS., INC., Lowell, Mass.

Filed September 9, 1943. Serial No. 463,299. PUBLISHED JANUARY 4, 1944. Class 42.

406,556. ORGANIC CHEMICAL COMPOUNDS CONTAINING ALIPHATIC RADICALS HAVING FROM TEN TO FOURTEEN CARBON ATOMS SUCH AS ORGANIC AND INORGANIC ESTERS, PHENOLS, ALCOHOLS, MERCAPTANS, SULFIDES AND AMINES HAVING SUCH ALIPHATIC RADICALS, THESE COMPOUNDS HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. SHARPLES CHEMICALS INC., Philadelphia, Pa.

Filed September 10, 1943. Serial No. 463,334. PUBLISHED JANUARY 18, 1944. Class 6.

406,557. BATTER AND DOUGH EMULSIFIERS FOR USE WITH FAT IN MAKING BREAD, DOUGHNUTS, CAKES, ETC. WILSHIRE LABORATORIES, Chicago, Ill.

Filed September 14, 1943. Serial No. 463,409. PUBLISHED FEBRUARY 1, 1944. Class 46.

406,558. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL—NAMELY, COATS; SUITS; HATS; SWEATERS; UNDERWEAR; HOSIERY; GLOVES OF LEATHER AND FABRIC; AND SHOES MADE OF LEATHER, FABRIC, RUBBER, OR A COMBINATION OF SUCH MATERIALS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J.

Filed September 20, 1943. Serial No. 463,503. PUBLISHED DECEMBER 21, 1943. Class 39.

406,559. STUFFED DOLLS AND OUTFITS CONTAINING FABRIC, TRIMMING, STUFFING, AND PATTERNS FOR MAKING STUFFED DOLLS. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.

Filed September 24, 1943. Serial No. 463,624. PUBLISHED FEBRUARY 1, 1944. Class 22.

406,560. PAPER PADS, PAPER TABLETS, SPIRAL BOUND PAPER ITEMS, INDEX CARDS, LOOSE LEAF FILLER PAPER, PRICE BOOK SHEETS, PLAIN AND RULED SCRATCH PADS, COMPOSITION BOOKS, NOTE BOOKS, LEGAL RULED PADS, WRITING TABLETS, AND MEMO BOOKS. SELECT PAPER AND TABLET CORPORATION, New York, N. Y.

Filed September 24, 1943. Serial No. 463,636. PUBLISHED FEBRUARY 1, 1944. Class 37.

406,561. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, PROTEIN FIBRES AND COMBINATIONS THEREOF. MERGER FABRICS, New York, N. Y.

Filed September 25, 1943. Serial No. 463,651. PUBLISHED DECEMBER 28, 1943. Class 42.

406,562. SMOKED DRIED BONELESS HERRING. ALEXANDER ALOFF, doing business as Chicago Packing Company, Chicago, Ill.

Filed September 28, 1943. Serial No. 463,721. PUBLISHED FEBRUARY 1, 1944. Class 46.

406,563. PERFUME AND A PERFUMED LIQUID IN THE FORM OF A LIQUID SACHET. MARIA DANICA LABORATORIES CORPORATION, New York, N. Y.

Filed September 28, 1943. Serial No. 463,729. PUBLISHED JANUARY 18, 1944. Class 6.

406,564. PHARMACEUTICAL PREPARATION FOR THE SYMPTOMATIC RELIEF OF NEURALGIC CONDITIONS, HEADACHES, DYSMENORRHEA, RHINITIS, CORYZA, AND COMMON COLDS, AND OF ALLERGIC CONDITIONS AND ASTHMATIC CONDITIONS AS WELL AS ANY CONDITIONS WHERE SYMPTOMS OF SIMILAR CHARACTER APPEAR. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.

Filed September 28, 1943. Serial No. 463,740. PUBLISHED JANUARY 25, 1944. Class 6.

406,565. SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. THE GREEN SHOE MANUFACTURING CO., Boston, Mass.

Filed October 2, 1943. Serial No. 463,837. PUBLISHED DECEMBER 7, 1943. Class 39.

406,566. MEDICAL PREPARATION—NAMELY, AN ANALGESIC-ANTIPYRETIC AND SEDATIVE TABLET. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed October 4, 1943. Serial No. 463,877. PUBLISHED DECEMBER 21, 1943. Class 6.

406,567. MEDICAL PREPARATION—NAMELY, A STABILIZED LOTION OF CALAMINE, AMMONIATED MERCURY AND ZINC OXIDE, FOR TREATMENT OF SKIN DISEASES. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed October 4, 1943. Serial No. 463,880. PUBLISHED DECEMBER 21, 1943. Class 6.

406,568. MEDICAL PREPARATION—NAMELY, AN OINTMENT OF CHLORAL HYDRATE, METHYLSALICYLATE AND MENTHOL, FOR TREATMENT OF BRUISES, SPRAINS, OR LOCAL CONGESTIONS. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed October 4, 1943. Serial No. 463,882. PUBLISHED DECEMBER 21, 1943. CLASS 6.

406,569. PHARMACEUTICAL PREPARATION—NAMELY, A NON-INFLAMMABLE SOLVENT FOR THE REMOVAL OF ADHESIVE TAPE FROM THE SKIN. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed October 4, 1943. Serial No. 463,886. PUBLISHED DECEMBER 21, 1943. Class 6.

406,570. MEDICAL PREPARATION—NAMELY, A PROTECTIVE HAND CREAM WHICH SERVES AS A MECHANICAL BARRIER AGAINST INDUSTRIAL SKIN IRRITANTS. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed October 4, 1943. Serial No. 463,890. PUBLISHED DECEMBER 21, 1943. Class 6.

406,571. BONDING CEMENT. MUNN AND STEELE, INCORPORATED, Newark, N. J.

Filed October 5, 1943. Serial No. 463,909. PUBLISHED FEBRUARY 1, 1944. Class 12.

406,572. REFRACTORY CEMENT. MUNN AND STEELE, INCORPORATED, Newark, N. J.

Filed October 5, 1943. Serial No. 463,910. PUBLISHED FEBRUARY 1, 1944. Class 12.

406,573. FIRE PROOF, HEAT AND SOUND INSULATING CONCRETE. MUNN AND STEELE, INCORPORATED, Newark, N. J.

Filed October 5, 1943. Serial No. 463,912. PUBLISHED FEBRUARY 1, 1944. Class 12.

406,574. PLASTER. JOHN J. WIDMAYER, doing business as Widmayer Steel Company, Washington, D. C.

Filed October 5, 1943. Serial No. 463,919. PUBLISHED FEBRUARY 1, 1944. Class 12.

406,575. GAS RANGES. A-B STOVES, INC., Battle Creek, Mich.

Filed October 6, 1943. Serial No. 463,920. PUBLISHED FEBRUARY 1, 1944. Class 34.

406,576. WINDOW AND DOOR OPERATORS. TRUSCON STEEL COMPANY, Youngstown, Ohio.

Filed October 6, 1943. Serial No. 463,961. PUBLISHED FEBRUARY 1, 1944. Class 13.

406,577. WRISTWATCH STRAPS MADE OF NATURAL OR ARTIFICIAL LEATHER OR FABRIC. COLONIAL WATCH STRAP CO. INC., New York, N. Y.

Filed October 8, 1943. Serial No. 463,990. PUBLISHED DECEMBER 28, 1943. Class 40.

406,578. AFTER SHAVING LOTION, DEODORANT, TALCUM POWDER, HAIR DRESSING, AND TOILET WATER. FRANK P. HAGEMAN, Minneapolis, Minn.

Filed October 11, 1943. Serial No. 464,042. PUBLISHED JANUARY 18, 1944. Class 6.

406,579. PREPARATION FOR REMOVING CORNS, A PREPARATION USED FOR THE TREATMENT OF BUNIONS, A MEDICINAL PREPARATION USED TO STIMULATE CIRCULATION, DEODORIZE, CLEANSE, AND SOFTEN THE SKIN. L. R. PITCHER, doing business as Sta-Off Foot Remedy Company, Los Angeles, Calif.
Filed October 11, 1943. Serial No. 464,067. PUBLISHED JANUARY 18, 1944. Class 6.

406,580. DRAPERY AND UPHOLSTERY FABRICS AND CARPETS. F. SCHUMACHER & Co., New York, N. Y.
Filed October 11, 1943. Serial No. 464,069. PUBLISHED JANUARY 18, 1944. Class 42.

406,581. CORSETS, GIRDLES, AND BRASSIÈRES, INCLUDING CORSETS HAVING ABDOMINAL SUPPORTS. THE BERGER BROTHERS COMPANY, New Haven, Conn.
Filed October 12, 1943. Serial No. 464,075. PUBLISHED DECEMBER 21, 1943. Class 39.

406,582. SHOES OF LEATHER WITH RUBBER SOLES. M. A. PACKARD COMPANY, Brockton, Mass.
Filed October 12, 1943. Serial No. 464,091. PUBLISHED JANUARY 4, 1944. Class 39.

406,583. RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 13, 1943. Serial No. 464,109. PUBLISHED DECEMBER 28, 1943. Class 42.

406,584. WOMEN'S READY TO WEAR AND ACCESSORIES—NAMELY, COATS, DRESSES, SUITS, NEGLIGEES, PAJAMAS, UNDERWEAR, ETC. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.: Dey Brothers & Company, Syracuse, N. Y.; and Quackenbush Company, Paterson, N. J.
Filed October 15, 1943. Serial No. 464,155. PUBLISHED DECEMBER 21, 1943. Class 39.

406,585. PAPER FILING ENVELOPES. GENERAL ELECTRIC X-RAY CORPORATION, Chicago, Ill.
Filed October 18, 1943. Serial No. 464,221. PUBLISHED FEBRUARY 1, 1944. Class 37.

406,586. CORSETS, BRASSIÈRES, GIRDLES, COMBINATION GARMENTS CONSISTING OF CORSETS AND/OR GIRDLES AND BRASSIÈRES, ETC. POIRETTE CORSETS, INC., New York, N. Y.
Filed October 20, 1943. Serial No. 464,271. PUBLISHED JANUARY 4, 1944. Class 39.

406,587. MEN'S NECKTIES. MCCURRACH ORGANIZATION, New York, N. Y.
Filed October 21, 1943. Serial No. 464,315. PUBLISHED JANUARY 4, 1944. Class 39.

406,588. MEN'S NECKTIES. MCCURRACH ORGANIZATION, New York, N. Y.
Filed October 21, 1943. Serial No. 464,316. PUBLISHED JANUARY 4, 1944. Class 39.

406,589. DEODORIZING PERFUME. ASSOCIATED DISTRIBUTORS, Chicago, Ill.
Filed October 22, 1943. Serial No. 464,332. PUBLISHED JANUARY 25, 1944. Class 6.

406,590. METHIONINE. S. M. A. CORPORATION, Chicago, Ill.
Filed October 23, 1943. Serial No. 464,376. PUBLISHED JANUARY 18, 1944. Class 6.

406,591. JOINT SEALING AND LUBRICATING COMPOUND. WELL EQUIPMENT MANUFACTURING CORPORATION, Houston, Tex.
Filed October 23, 1943. Serial No. 464,380. PUBLISHED FEBRUARY 1, 1944. Class 12.

406,592. SHOES MADE OF RUBBER, LEATHER AND/OR FABRIC. THE FASHION BOOTERY, Seattle, Wash.
Filed October 28, 1943. Serial No. 464,479. PUBLISHED JANUARY 4, 1944. Class 39.

406,593. ASBESTOS CEMENT. SMITH & KANZLER CORPORATION, Elizabeth, N. J.
Filed October 28, 1943. Serial No. 464,491. PUBLISHED FEBRUARY 1, 1944. Class 12.

406,594. PORTABLE UNITARY ELECTRIC BUTTER CHURNS (WITH BUILT-IN-MOTOR). MARK EMERSON WARREN, doing business as Specialty Appliance Company, Hartwell, Ga.
Filed October 28, 1943. Serial No. 464,494. PUBLISHED FEBRUARY 1, 1944. Class 21.

406,595. THERAPEUTIC CHLOROPHYLL PREPARATIONS IN VARIOUS FORMS SUCH AS SOLUTIONS, OINTMENTS, JELLIES, DUSTING POWDERS, AND OTHER MEDICINAL FORMS, ETC. RYSTAN COMPANY, New York, N. Y.
Filed October 29, 1943. Serial No. 464,520. PUBLISHED JANUARY 25, 1944. Class 6.

406,596. VEILINGS. A. & W. MANUFACTURING CORPORATION, New York, N. Y.
Filed October 30, 1943. Serial No. 464,528. PUBLISHED JANUARY 18, 1944. Class 42.

406,597. WOVEN RAYON PIECE GOODS. STOCKTON TEXTILE COMPANY, New York, N. Y.
Filed October 30, 1943. Serial No. 464,559. PUBLISHED JANUARY 4, 1944. Class 42.

406,598. COMBINATION BEDSPREAD AND COMFORT. CRAIG MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 2, 1943. Serial No. 464,600. PUBLISHED JANUARY 4, 1944. Class 42.

406,599. TOY GUNS. MANO HIRSCH, New York, N. Y.
Filed November 2, 1943. Serial No. 464,609. PUBLISHED FEBRUARY 1, 1944. Class 22.

406,600. WETTING AND DISPERSING AGENT. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,663. PUBLISHED JANUARY 18, 1944. Class 6.

406,601. BEER. ALEX B. STAMES, Brawley, Calif.
Filed November 3, 1943. Serial No. 464,679. PUBLISHED JANUARY 4, 1944. Class 48.

406,602. PILE FABRICS IN THE PIECE COMPOSED OF WOOL, ALPACA, MOHAIR, AND COTTON. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed November 4, 1943. Serial No. 464,687. PUBLISHED JANUARY 4, 1944. Class 42.

406,603. FRUIT CONCENTRATES FOR THE MAKING OF NON-ALCOHOLIC MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND AS A MIXER FOR BEVERAGES OF ALL KINDS. MAURICE D. LATZ, doing business as Maurice D. Latz Co., New York, N. Y.
Filed November 4, 1943. Serial No. 464,698. PUBLISHED JANUARY 25, 1944. Class 45.

406,604. FRUIT CONCENTRATES FOR THE MAKING OF NON-ALCOHOLIC MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND AS A MIXER FOR BEVERAGES OF ALL KINDS. MAURICE D. LATZ, doing business as Maurice D. Latz Co., New York, N. Y.
Filed November 4, 1943. Serial No. 464,699. PUBLISHED JANUARY 25, 1944. Class 45.

406,605 PREPARATION FOR ORAL HYGIENE—NAMELY, A TOOTH POWDER, MOUTH WASH, AND A GARGLE. MARY E. FESLER, doing business as Geo C. V. Fesler Company, Montgomery, Ala.
Filed November 5, 1943. Serial No. 464,746. PUBLISHED JANUARY 25, 1944. Class 6.

406,606. BULBS FOR ELECTRIC INCANDESCENT LAMPS. THERMACOTE CO., San Francisco, Calif.
Filed November 5, 1943. Serial No. 464,766. PUBLISHED FEBRUARY 1, 1944. Class 21.

406,607. COVER GLASSES FOR WELDERS' HELMETS PROVIDED WITH A COATING OF AN ALKYD RESIN SUBSTANCE. THERMACOTE CO., San Francisco, Calif.
Filed November 5, 1943. Serial No. 464,767. PUBLISHED FEBRUARY 1, 1944. Class 26.

406,608. BOYS' UNDERWEAR, SHORTS, LONG TROUSERS, COVERALLS, SWEATERS, BIBALLS, OTHERWISE KNOWN AS CHILDREN'S OVERALLS, ETC. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed November 6, 1943. Serial No. 464,793. PUBLISHED FEBRUARY 1, 1944. Class 39.

406,609. TETRAHYDRONAPHTHALENE. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed November 8, 1943. Serial No. 464,814. PUBLISHED JANUARY 18, 1944. Class 6.

406,610. PERFUMES. ESTELLE POËT BRYANT, doing business as Estelle Bryant, Merion, Pa.
Filed November 9, 1943. Serial No. 464,849. PUBLISHED JANUARY 25, 1944. Class 6.

406,611. PRODUCT IN POWDER FORM CONSISTING OF MODIFIED MILK SOLIDS FOR USE IN BAKING BREAD. GOLDEN STATE COMPANY, LTD., San Francisco, Calif.
Filed November 10, 1943. Serial No. 464,885. PUBLISHED FEBRUARY 1, 1944. Class 46.

406,612. ANTIACID TABLETS. ADA MARCELLUS, doing business as A. Marcellus Company, Boston, Mass., and New York, N. Y.
Filed November 10, 1943. Serial No. 464,893. PUBLISHED JANUARY 25, 1944. Class 6.

406,613. TOILET PREPARATIONS—NAMELY, OILS AND BLENDS OF OILS FOR STIMULATING THE SKIN AND THE NERVES AND THE BLOOD CIRCULATION ADJACENT THERETO. DERMETICS, INC., Seattle, Wash.
Filed November 15, 1943. Serial No. 464,992. PUBLISHED JANUARY 25, 1944. Class 6.

406,614. PAPER PRODUCTS—NAMELY, BOND PAPER, TYPEWRITER PAPER, PRINTING PAPER, PADS, SECOND SHEETS, TABLETS, ENVELOPES, PACKETS, CARDS, FILLERS, AND PAPER REINFORCEMENTS. L. HYMAN & SONS, New York, N. Y.
Filed November 16, 1943. Serial No. 465,028. PUBLISHED FEBRUARY 1, 1944. Class 37.

406,615. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 16, 1943. Serial No. 465,037. PUBLISHED FEBRUARY 1, 1944. Class 4.

406,616. TOILET PREPARATIONS, PERFUMERY AND COSMETICS—NAMELY, PERFUME, TOILET WATERS, LIP STICKS, FACE POWDERS, TOILET CREAMS, AND ROUGE. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 16, 1943. Serial No. 465,038. PUBLISHED JANUARY 25, 1944. Class 6.

406,617. FOOD FLAVORING SAUCE AND A FOOD FLAVORING POWDER, BOTH MADE FROM HYDROLIZED CASEIN. SHEFFIELD FARMS COMPANY, INC., New York, N. Y.
Filed November 16, 1943. Serial No. 465,049. PUBLISHED FEBRUARY 1, 1944. Class 46.

406,618. PREPARATIONS FOR USE IN DYSFUNCTIONS OF THE ANTERIOR PITUITARY GLAND. E. R. SQUIBB & SONS, New York, N. Y.
Filed November 16, 1943. Serial No. 465,051. PUBLISHED JANUARY 18, 1944. Class 6.

406,619. PUDDING DESSERT POWDER. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed November 17, 1943. Serial No. 465,068. PUBLISHED FEBRUARY 1, 1944. Class 46.

406,620. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed November 17, 1943. Serial No. 465,073. PUBLISHED FEBRUARY 1, 1944. Class 37.

406,621. MOTH REPELLING AND DESTROYING PREPARATIONS. LEWIS (IMPORT & EXPORT) LIMITED, London, England.
Filed November 17, 1943. Serial No. 465,075. PUBLISHED JANUARY 18, 1944. Class 6.

406,622. VEHICLE FOR USE IN COMPOUNDING PRESCRIPTIONS, THAT IS, AS A CARRIER FOR DRUGS AND CHEMICALS USED IN THE COMPOUNDING OF MEDICINES. WILLIAM R. WARNER & Co. INC., Wilmington, Del., and New York, N. Y.
Filed November 17, 1943. Serial No. 465,095. PUBLISHED JANUARY 18, 1944. Class 6.

406,623. SPECIFIC PREPARATIONS DESIGNED FOR THE ORAL TREATMENT OF THOSE SYMPTOMS, SUCH AS RHINITIS, SINUSITIS, URTICARIA, ETC. DALARE ASSOCIATES, Philadelphia, Pa.
Filed November 18, 1943. Serial No. 465,103. PUBLISHED JANUARY 18, 1944. Class 6.

406,624. MECHANICAL REFRIGERATORS. GIBSON REFRIGERATOR COMPANY, Greenville, Mich.
Filed November 18, 1943. Serial No. 465,106. PUBLISHED FEBRUARY 1, 1944. Class 31.

406,625. WOMEN'S COATS, SUITS, SKIRTS, JACKETS, AND COAT AND SUIT ENSEMBLES. J. F. DITTMAN COMPANY, INC., New York, N. Y.
Filed November 20, 1943. Serial No. 465,180. PUBLISHED FEBRUARY 1, 1944. Class 39.

406,626. BASE METAL AND WOODEN FRAMES FOR PHOTOGRAPHS AND PHOTOGRAPHIC TRANSPARENCIES OR PHOTOGRAPHIC PRINTS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed November 23, 1943. Serial No. 465,226. PUBLISHED FEBRUARY 1, 1944. Class 32.

406,627. COLD PERMANENT WAVE SOLUTION. TYLON PRODUCTS, INC., New York, N. Y.
Filed November 23, 1943. Serial No. 465,238. PUBLISHED JANUARY 18, 1944. Class 6.

406,628. FRESH AVOCADOS. EMIL W. LOCHMILLER, doing business as Lochmiller Avocado Co., La Habra, Calif.
Filed November 29, 1943. Serial No. 465,364. PUBLISHED FEBRUARY 1, 1944. Class 46.

406,629. DENTAL INVESTMENT MATERIAL. OPOTOW DENTAL MANUFACTURING CORP., New York, N. Y.
Filed December 3, 1943. Serial No. 465,483. PUBLISHED FEBRUARY 1, 1944. Class 44.

406,630. BILLFOLDS. TEXAS TANNING & MANUFACTURING CO., Yoakum, Tex.
Filed December 3, 1943. Serial No. 465,490. PUBLISHED FEBRUARY 1, 1944. Class 3.

406,631. HIGH CHAIR PADS AND PLAY YARD PADS MADE OF TEXTILE MATERIALS OR OF RUBBER-LIKE MATERIALS COMBINED WITH TEXTILE MATERIALS. MORRIS MILLER, doing business as Bancroft-Rellim Co., Boston, Mass.
Filed December 4, 1943. Serial No. 465,510. PUBLISHED FEBRUARY 1, 1944. Class 32.

406,632. HYPODERMIC SYRINGES AND NEEDLES THEREFOR. REICHEL LABORATORIES, INC., Philadelphia, Pa.
Filed December 4, 1943. Serial No. 465,513. PUBLISHED FEBRUARY 1, 1944. Class 44.

406,633. BOTTOMS FOR BINS USED AS CONTAINERS, BUCKETS MADE OF METAL, BURIAL CASKETS, HOPPERS USED AS RECEPTACLES, STORAGE TANKS, SEPTIC TANKS, AND VATS. HARRY DARBY, Kansas City, Kans.
Filed December 13, 1943. Serial No. 465,734. PUBLISHED FEBRUARY 1, 1944. Class 2.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,634. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill. Filed Mar. 26, 1941. Serial No. 441,948.

Davidson

FOR DUPLICATING MACHINES MORE PARTICULARLY PRINTING PRESSES, FOLDING MACHINES, PAPER HANDLING MACHINES, AND THE LIKE.
Claims use since Nov. 20, 1940.

406,635. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Aug. 23, 1941. Serial No. 446,479.

Re-vers-it

FOR RAZORS AND RAZOR BLADES.
Claims use since Aug. 5, 1941.

406,636. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa. Filed July 4, 1942. Serial No. 454,059.

"Rub-Less"

FOR NON-METALLIC SHEATHED ELECTRIC CABLES.
Claims use since June 5, 1942.

406,637. (CLASS 39. CLOTHING.) CARLYE JR. SPORTSWEAR, INC., New York, N. Y. Filed Jan. 5, 1943. Serial No. 457,755.

Carl Wynn

FOR JUNIORS' AND LADIES' SKIRTS, DRESSES, JACKETS, BLOUSES, COATS, SLACKS, AND BATHING SUITS.
Claims use since Dec. 21, 1942.

406,638. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ALFRED DUNHILL LIMITED, St. James's, London, England. Filed Jan. 5, 1943. Serial No. 457,757.

DUNHILL

FOR TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS.
Claims use since 1912.

406,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COBB CANNING COMPANY, Cobb, Wis. Filed Jan. 21, 1943. Serial No. 458,061.

Spring Green

FOR CANNED SWEET PEAS AND EARLY PEAS.
Claims use since Jan. 13, 1943.

406,640. (CLASS 39. CLOTHING.) RITMOR SPORTSWEAR COMPANY, Cleveland, Ohio. Filed Jan. 27, 1943. Serial No. 458,197.

AFRICAN WOOLIES

FOR LADIES' DRESSES, SKIRTS, SWEATERS, AND SPORTSWEAR—NAMELY, COATS, BLOUSES, SHIRTS, PLAY SUITS, SLACK SUITS AND BATHING SUITS MADE IN SUBSTANTIAL PART OF WOOL.
Claims use since Jan. 1, 1943.

406,641. (CLASS 39. CLOTHING.) WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa. Filed Feb. 24, 1943. Serial No. 458,737.

FLUFFY RUFFLES

FOR LADIES' BLOUSES AND SHIRTS.
Claims use since Jan. 26, 1943.

406,642. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) APOLINARY S. CILVIK, doing business as Cilvik Products Company, Wilkes-Barre, Pa. Filed Apr. 29, 1943. Serial No. 460,252.

"HERBALM"

FOR PREPARATION FOR THE TREATMENT OF COUGHS DUE TO COMMON COLDS AND BRONCHIAL IRRITATIONS.
Claims use since Mar. 2, 1943.

406,643. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed May 22, 1943. Serial No. 460,828.

THE MADISON ROOM

FOR LADIES' SUITS, BLOUSES, DRESSES, JACKETS, SKIRTS, COATS, AND KNITTED OUTER-WEAR—NAMELY, SWEATERS.
Claims use since Sept. 13, 1942.

406,644. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed June 3, 1943. Serial No. 461,114.

PARLON

Applicant is the owner of Reg. No. 391,908.
FOR CHLORINATED RUBBER FOR USE IN PAINTS, VARNISHES, LACQUERS, PLASTICS, FABRICS, SHEETING, PAPER COATINGS, ADHESIVES, AND INKS.
Claims use since Oct. 31, 1940.

406,645. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONTI PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Oct. 26, 1943. Serial No. 464,411.

Conti

FOR OLIVE OIL.
Claims use since January 1941.

406,646. (CLASS 39. CLOTHING.) POLLAK BROS. INC., Fort Wayne, Ind. Filed Nov. 8, 1943. Serial No. 464,825.

Wayne Maid

FOR WOMEN'S, MISSES' AND GIRLS' DRESSES, WAISTS, PLAYSUITS, BLOUSES, UNDERSKIRTS, COMBINATIONS—NAMELY, CORSELETS AND PANTIES, BRASSIÈRES AND SLIPS, BRASSIÈRES AND PETTICOATS, SLIPS AND NIGHTGOWNS.
Claims use since Dec. 5, 1922.

406,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK RYSER CO., Chicago, Ill., and Mayville, Wis. Filed Nov. 10, 1943. Serial No. 464,897.

The CHEESEHOUSE MAYVILLE WIS. FRANK RYSER CO.

FOR CHEESE AND CHEESE SPREADS.
Claims use since Oct. 15, 1942.

406,648. (CLASS 45. BEVERAGES, NONALCOHOLIC.) J. G. BUSTON, doing business as The Sunrise Bottling Co., Tazewell, Va. Filed Nov. 23, 1943. Serial No. 465,222.

TAZEWELL

FOR NON-ALCOHOLIC MALTLESS BEVERAGES AND SYRUPS FOR MAKING THE SAME.
Claims use since 1931.

406,649. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY KOCH, New York, N. Y. Filed Dec. 7, 1943. Serial No. 465,603.

Koch's Skin Salve

FOR SKIN OINTMENT.
Claims use since March 1943.

406,650. (CLASS 12. CONSTRUCTION MATERIALS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed Dec. 22, 1943. Serial No. 465,996.

RUFSIT

FOR PREPARATION IN THE NATURE OF A TREATMENT FOR NEW CONCRETE TO PRODUCE ROUGH FINISHES OR BOND, AND FOR APPLICATION TO ATTACHMENTS THAT ARE LATER TO BE REMOVED IN CONNECTION WITH GENERAL FORM WORK.
Claims use since Mar. 5, 1936.

406,651. (CLASS 39. CLOTHING.) H. L. B. CORPORATION, New York, N. Y. Filed Jan. 8, 1944. Serial No. 466,408.

Alice Law

FOR MEN'S, WOMEN'S, BOYS' AND GIRLS' LEATHER SPORT COATS AND JACKETS.
Claims use since Dec. 1, 1942.

406,652. (CLASS 39. CLOTHING.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Jan. 10, 1944. Serial No. 466,443.

Hudson Maid

FOR LADIES' AND MISSES' DRESSES, MAIDS' AND NURSES' UNIFORMS, SMOCKS, HOUSE DRESSES, AND APRONS.

Claims use since Feb. 1, 1923.

406,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLEY CANNING COMPANY, INC., Holley, N. Y. Filed Jan. 24, 1944. Serial No. 466,841.

Real Value

Applicant is the owner of trade-mark registration No. 224,386, dated February 22, 1927.

FOR CANNED PEAS, CANNED STRING BEANS, CANNED TOMATOES, CANNED APPLE SAUCE AND CANNED TOMATO JUICE.

Claims use since 1930.

TRADE-MARK REGISTRATIONS RENEWED

24,582. **ALMAKOTA.** WHEAT FLOUR. Registered April 24, 1894. MINKOTA MILLING COMPANY, Duluth, Minn. Re-renewed April 24, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

174,717. **THE SHIELD.** PERIODICAL MAGAZINE. Registered October 23, 1923. LEVY PRINTING COMPANY. Renewed October 23, 1944, to Shield Press, Incorporated, Indianapolis, Ind., a corporation of Indiana, by change of name.

179,445. **MELTIS.** CONFECTIONERY—NAMELY, CHOCOLATE AND ORCHARD CANDIES (CRYSTALLISED FRUITS CANDIES). Registered February 12, 1924. PEEK, FREAN AND COMPANY, LIMITED. Renewed February 12, 1944, to Meltis, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

179,474. **"GOOD-WILL" AND DESIGN.** FRESH MEATS—NAMELY, BEEF, PORK, MUTTON, POULTRY; PICKLED AND CURED MEATS—NAMELY, BEEF, PORK, HAM, BACON; CANNED MEATS—NAMELY, BEEF AND VEGETABLES, BEEFSTEAK AND ONIONS, BEEF STEW, BEEF SUET, BOILED BEEF, BONED CHICKEN, FRANKFURT BRATWURST, AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered February 12, 1924. ALLIED PACKERS, INCORPORATED, Chicago, Ill. Renewed February 12, 1944, to Hygrade Food Products Corporation, New York, N. Y., a corporation of New York, assignee.

179,913. **"PLANTATION" AND DRAWING.** BLEACHED COTTON PIECE GOODS—NAMELY, CAMBRIC, MUSLIN, AND NAINSOOK. Registered February 19, 1924. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Renewed February 19, 1944, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

179,965. **MODOC.** SPRAYERS AND PARTS THEREOF. Registered February 19, 1924. THE HUDSON MANUFACTURING COMPANY. Renewed February 19, 1944, to H. D. Hudson Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota, by change of name.

179,966. **MIDGET.** SPRAYERS AND PARTS THEREOF. Registered February 19, 1924. THE HUDSON MANUFACTURING COMPANY. Renewed February 19, 1944, to H. D. Hudson Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota, by change of name.

179,971. **RAINBOW.** SPRAYERS AND PARTS THEREOF. Registered February 19, 1924. THE HUDSON MANUFACTURING COMPANY. Renewed February 19, 1944, to H. D. Hudson Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota, by change of name.

179,997. **"KONKRETE" AND DESIGN.** PORTLAND CEMENT STUCCO MIXTURE. Registered February 19, 1924. WILLIAM H. PLATNER, doing business as Konkrete Exterior Stucco Company, Omaha, Nebr. Renewed February 19, 1944.

180,588. **NIZER.** REFRIGERATING UNITS, REFRIGERATORS, MECHANICALLY-REFRIGERATED FOOD CABINETS, AND REFRIGERATING ELEMENTS THEREFOR. Registered March 4, 1924. NIZER CORPORATION. Renewed March 4, 1944, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland, assignee by mesne assignments.

180,648. **"CHECKERS" AND DESIGN.** NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered March 4, 1924. SAMUEL SELTZER, doing business as Seltzer & Rydholm, Inc., Auburn, Maine. Renewed March 4, 1944, to Samuel Seltzer, Sunnyside, Long Island, N. Y.

180,662. **JONES SUPERLATIVE.** WHEAT FLOUR. Registered March 4, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed March 4, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

180,724. **"UNIVERSAL U" AND DESIGN.** PLASTER. Registered March 4, 1924. UNIVERSAL GYPSUM COMPANY, Chicago, Ill. Renewed March 4, 1944, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware, by consolidation and merger.

180,776. **HONEST JOHN.** WHEAT FLOUR. Registered March 4, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed March 4, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

180,778. **SNOW BLOSSOM.** WHEAT FLOUR. Registered March 4, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed March 4, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

180,848. **ACME.** WRITING PAPER. Registered March 11, 1924. THE CINCINNATI CORDAGE & PAPER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed March 11, 1944.

180,851. **SPORTIERE.** FIELD AND OPERA GLASSES. Registered March 11, 1924. SUSSFELD, LORSCH & SCHIMMEL. Renewed March 11, 1944, to Selsi Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

180,857. **CHAMPIERE.** FIELD AND OPERA GLASSES. Registered March 11, 1924. SUSSFELD, LORSCH & SCHIMMEL. Renewed March 11, 1944, to Selsi Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

180,917. **"SOFTLEY'S SUPE-R-SHINE" AND DESIGN.** LIQUID POLISHING PREPARATION FOR AUTOMOBILES, PIANOS, VICTROLAS, FURNITURE, OFFICE FIXTURES, SAFES, CABINETS, SEWING MACHINES, AND ALL FINE WOODWORK. Registered March 11, 1924. EDWARD W. SOFTLEY, Butte, Mont. Renewed March 11, 1944.

180,969. **BEATRICE.** WOOLEN PIECE GOODS. Registered March 11, 1924. FORSTMANN & HUFFMANN COMPANY. Renewed March 11, 1944, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee.

180,997. **KODEX.** PHOTOGRAPHIC SHUTTERS. Registered March 11, 1924. EASTMAN KODAK COMPANY. Renewed March 11, 1944, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

181,060. **HUNGARIAN OO.** WHEAT FLOUR. Registered March 11, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed March 11, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

181,146. **"HUDSON" AND DESIGN.** WHEAT FLOUR. Registered March 11, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed March 11, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

181,166. **EUREKASCOPE.** FIELD AND OPERA GLASSES. Registered March 11, 1924. SUSSFELD, LORSCH & SCHIMMEL. Renewed March 11, 1944, to Selsi Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

181,168. **IMPERATRICE.** WOOLEN PIECE GOODS. Registered March 11, 1924. FORSTMANN & HUFFMANN COMPANY. Renewed March 11, 1944, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee.

181,283. **ALKOLAVE.** MEDICINAL PREPARATION FOR USE IN MASSAGING AND BATHING. Registered March 18, 1924. SHARP & DOHME, Baltimore, Md. Renewed March 18, 1944, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

181,317. **ALUCOL.** COLLOIDAL HYDROXIDE OF ALUMINUM, A PREPARATION USED IN THE TREATMENT OF GASTRIC HYPERACIDITY. Registered March 18, 1924. THE WANDER COMPANY. Renewed March 18, 1944, to The Wander Company, Chicago, Ill., a corporation of Delaware, assignee.

181,403. **IDEAL.** SPRAYERS AND PARTS THEREOF. Registered March 18, 1924. THE HUDSON MANUFACTURING COMPANY. Renewed March 18, 1944, to H. D. Hudson Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota, by change of name.

181,498. **EMERAUDE DE COTY.** PERFUMES, TOILET WATERS, FACE POWDERS, SACHET POWDERS, BRILLIANTINES, LOTIONS, EAU DE COLOGNE. Registered March 18, 1924. FRANCOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed March 18, 1944, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

181,508. **VALDI.** TALCUM POWDERS, FACE POWDERS, FACE CREAMS, COMPACTS, LIP STICKS, ROUGES, TOILET WATERS, AND PERFUMES. Registered March 18, 1924. BENZ TOILET PRODUCTS, INC. Renewed March 18, 1944, to Raymond C. Goodwin, Syracuse, N. Y., assignee.

181,560. **"FOX RIVER" AND DRAWING.** SUN-DRIED AND SALT-CURED CODFISH. Registered March 25, 1924. BRIDGETTS & CO. Renewed March 25, 1944, to Maritime Fish Products Co., New York, N. Y., a partnership, assignee.

181,562. **MARVONA.** WOOLEN PIECE GOODS. Registered March 25, 1924. FORSTMANN & HUFFMANN COMPANY. Renewed March 25, 1944, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee.

181,741. **CURLEEN.** WOOLEN PIECE GOODS. Registered March 25, 1924. FORSTMANN & HUFFMANN COMPANY. Renewed March 25, 1944, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee.

181,918. **BRUME.** RAKES. Registered April 1, 1924. JAMES F. MACDONALD, doing business as Jas. F. Macdonald Company, San Francisco, Calif. Renewed April 1, 1944, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio, assignee.

182,027. **"KELLY STANDARD" AND DRAWING.** ADZES, AXES, BUSH HOOKS, GRASS HOOKS, GRUB HOES, HAMMERS, HATCHETS, MACHETTES, MATTOCKS, PICKS, AND SCYTHES. Registered April 1, 1924. KELLY AXE MFG. CO., Charleston, W. Va., and New York, N. Y. Renewed April 1, 1944, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio, assignee.

182,053. **WISKOTA.** WHEAT FLOUR. Registered April 1, 1924. DULUTH-SUPERIOR MILLING COMPANY, Duluth, Minn., and New York, N. Y. Renewed April 1, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

182,143. **ROKA.** CHEESE. Registered April 1, 1924. J. L. KRAFT & BROS. CO. Renewed April 1, 1944, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

182,425. **PENROD.** CIGARS. Registered April 8, 1924. CHARLES EDEN, doing business as F. H. Crygier Tobacco Company, Hartford, Conn. Renewed April 8, 1944.

182,580. **"STONEVILLE PEDIGREED SEED COMPANY" AND DESIGN.** COTTONSEED, OAT SEED, SEED CORN, AND OTHER AGRICULTURAL SEEDS. Registered April 15, 1924. STONEVILLE PEDIGREED SEED COMPANY. Renewed April 15, 1944, to G. B. Walker, doing business as Stoneville Pedigreed Seed Co., Stoneville, Miss., assignee.

182,831. **MAGIC.** TACK RAGS AND TACK CLOTHS FOR COLLECTING DUST AND LINT FROM SURFACES OF OBJECTS. Registered April 15, 1924. TOLEDO SUPPLY COMPANY. Renewed April 15, 1944, to Wm. A. Juergens Company, Toledo, Ohio, a corporation of Ohio, successor.

182,917. **SUPER FIXE.** LAUNDRY AND TEXTILE SOUR. Registered April 22, 1924. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Renewed April 22, 1944.

183,050. **HECKER'S SUPERLATIVE.** WHEAT FLOUR. Registered April 22, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed April 22, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

183,053. **"GREEN DIAMOND" AND DESIGN.** WHEAT FLOUR. Registered April 22, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed April 22, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

183,300. **BALSAMINE.** WHEAT FLOUR. Registered April 29, 1924. HECKER-JONES-JEWELL MILLING COMPANY. Renewed April 29, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

183,419. **"PORTAGE" AND DRAWING.** COFFEE, TEA, PEANUT BUTTER, TOMATO CATCHUP, ROLLED OATS, PREPARED MUSTARD, OLIVES, PICKLES, FRUIT JELLIES, CANNED VEGETABLES, SALTED NUTS. Registered April 29, 1924. PORTAGE WHOLESALE GROCERY COMPANY. Renewed April 29, 1944, to Portage Wholesale Company, Portage, Wis., a corporation of Wisconsin, assignee.

184,171. **ARMORCLAD.** GUIDE CARDS. Registered May 20, 1924. LIBRARY BUREAU, Cambridge, Mass. Renewed May 20, 1944, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

184,735. **CONTIN-U-MATIC.** METAL-WORKING MACHINES, AND PARTICULARLY MACHINES OF THE MULTIPLE-SPINDLE VERTICAL TYPE. Registered June 3, 1924. THE BULLARD MACHINE TOOL CO. Renewed June 3, 1944, to The Bullard Company, Bridgeport, Conn., a corporation of Connecticut, assignee.

184,757. **RYTWIP.** CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. Registered June 3, 1924. JOHN TAYLORS, LIMITED, Huddersfield, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed June 3, 1944.

184,811. **"CAROLINA SPECIAL" AND DESIGN.** OVERALLS, COATS, JUMPERS, PANTS, AND WORK SHIRTS. Registered June 3, 1924. HIGH POINT OVERALL COMPANY, High Point, N. C., a corporation of North Carolina. Renewed June 3, 1944.

185,758. **L. G.** CARBON PAPER. Registered June 24, 1924. REMINGTON TYPEWRITER COMPANY, Ilion and New York, N. Y. Renewed June 24, 1944, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee.

185,785. **PETER RABBIT.** INFANTS' AND CHILDREN'S READY-TO-WEAR OUTER CLOTHING—VIZ., ROMPERS. Registered June 24, 1924. JAMES A. HEARN & SON, INC. Renewed June 24, 1944, to Hearn Department Stores, Inc., New York, N. Y., a corporation of New York, assignee.

185,800. **PACIFIC.** CARBON PAPERS. Registered June 24, 1924. NOISELESS TYPEWRITER DISTRIBUTING Co., San Francisco, Calif. Renewed June 24, 1944, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

185,836. **HARD PAN.** CARBON PAPER. Registered June 24, 1924. THE SMITH PREMIER TYPEWRITER COMPANY, Syracuse and New York, N. Y. Renewed June 24, 1944, to The Smith Premier Typewriter Company, Buffalo, N. Y., a corporation of New York.

186,016. **ACRIVIOLET.** COAL-TAR DYESTUFFS, PRINCIPALLY FOR MEDICINAL USE AS A DISINFECTANT AND ANTISEPTIC. Registered July 1, 1924. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed July 1, 1944, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

186,383. **"GRI-MULSION" AND DESIGN.** LIQUID CLEANER FOR THE HANDS. Registered July 8, 1924. THE ROWELL CORPORATION, New York, N. Y. Renewed July 8, 1944, to Roxalin Flexible Finishes, Inc., Elizabeth, N. J., a corporation of New Jersey, assignee.

186,634. **MAGNALITE.** STRUCTURAL GLASS. Registered July 22, 1924. JOSHUA M. RICHARDS, South Boston, Mass. Renewed July 22, 1944, to Joshua M. Richards, Brookline and Boston, Mass.

186,690. **"BLUE TIP" AND DESIGN.** MATCHES. Registered July 22, 1924. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Renewed July 22, 1944, to The Ohio Match Company, New York, N. Y., and Wadsworth, Ohio, a corporation of Delaware, assignee by mesne assignments.

186,744. **BROOKMERE.** CANDY. Registered July 22, 1924. U. R. S. CANDY STORES, INC. Renewed July 22, 1944, to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

186,828. **REPRESENTATION OF A "PLUME" EXTENDING OUT OF THE WRAPPER OF A CANDY.** CHOCOLATES AND CANDY. Registered July 22, 1924. HERSHEY CHOCOLATE COMPANY. Renewed July 22, 1944, to Hershey Chocolate Corporation, Hershey, Pa., a corporation of Delaware, assignee.

186,831. **GOLDEN GATE.** CANDY. Registered July 22, 1924. U. R. S. CANDY STORES, INC. Renewed July 22, 1944, to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

186,840. **TRUHU.** WAISTS, SHIRTS, INCLUDING DRESS AND NEGLIGEE SHIRTS; PETTICOATS, UNDERWEAR OF KNITTED AND TEXTILE FABRICS, LINGERIE, MUFFLERS, PYJAMAS, DRESSES. Registered July 22, 1924. JERSEY SILK MILLS. Renewed July 22, 1944, to Truhu Silk Corporation, New York, N. Y., a corporation of New York, assignee.

186,955. **"ORANGE TABLETS" AND DESIGN.** LAXATIVE. Registered July 22, 1924. GUYON L. STEARNS, doing business as Stearns Laboratories, Columbus, Ohio. Renewed July 22, 1944.

187,207. **INTERNATIONAL.** TIME STAMPS AND ELAPSED-TIME MACHINES. Registered July 29, 1924. INTERNATIONAL TIME RECORDING COMPANY OF NEW YORK. Renewed July 29, 1944, to International Business Machines Corporation, New York, N. Y., a corporation of New York, assignee.

187,321. **QUEEN VICTORIA.** HOSIERY. Registered July 29, 1924. PECK & PECK, New York, N. Y., a corporation of New York. Renewed July 29, 1944.

187,384. **STEELSKIN.** SAPONACEOUS COMPOUNDS USED AS LUBRICANTS AND CLEANERS IN THE PROCESS OF DRAWING WIRE. Registered August 5, 1924. R. H. MILLER CO., INC., Asbury Park, N. J., and Homer, N. Y. Renewed August 5, 1944, to R. H. Miller Company, Inc., Homer, N. Y., a corporation of New Jersey.

187,391. **ROSS.** DENTIFRICES, TALCUM POWDER, SACCHARIN TABLETS, QUININE COMPOUNDS, PHENOLPHTHALEIN TABLETS, CATHARTIC PILLS, PURGATIVES, TONIC MEDICINAL PREPARATIONS FOR ANEMIA, NEURASTHENIA, CHLOROSIS, GENERAL DEBILITY, IMPOTENCY, AND DISORDERS OF THE BLOOD AND NERVES, AND OTHER MEDICINAL PREPARATIONS AND TABLETS. Registered August 5, 1924. THE SYDNEY ROSS CO., Newark, N. J., a corporation of New Jersey. Renewed August 5, 1944.

187,452. **NEO SILVER SALVARSAN.** REMEDY FOR SYPHILIS, SLEEPING SICKNESS, TRYPANOSOMIASIS, AND OTHER TROPICAL INFECTIOUS DISEASES. Registered August 5, 1924. H. A. METZ LABORATORIES, INC. Renewed August 5, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by merger.

187,453. **PUREX.** SALT. Registered August 5, 1924. THE OHIO SALT COMPANY, Wadsworth, Ohio, a corporation of Ohio. Renewed August 5, 1944.

187,454. **SALVARSAN.** REMEDY FOR SYPHILIS, SLEEPING SICKNESS, TRYPANOSOMIASIS, AND OTHER TROPICAL INFECTIOUS DISEASES. Registered August 5, 1924. H. A. METZ LABORATORIES, INC. Renewed August 5, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by merger.

187,455. **NEOSALVARSAN.** REMEDY FOR SYPHILIS, SLEEPING SICKNESS, TRYPANOSOMIASIS, AND OTHER TROPICAL INFECTIOUS DISEASES. Registered August 5, 1924. H. A. METZ LABORATORIES, INC. Renewed August 5, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by merger.

187,494. **FLORES DEL PARAISO.** TALCUM POWDER. Registered August 5, 1924. THE SYDNEY ROSS CO., Newark, N. J., a corporation of New Jersey. Renewed August 5, 1944.

187,505. **TRADEWATER.** COAL. Registered August 5, 1924. WEST KENTUCKY COAL COMPANY, Newark, N. J., Sturgis and Paducah, Ky., Memphis, Tenn., Donaldsonville, La., and Evansville, Ind. Renewed August 5, 1944, to West Kentucky Coal Company, Rockleigh, N. J., Earlington, Louisville, Sturgis, and Paducah, Ky., and Memphis and Nashville, Tenn., Chicago, Ill., St. Louis, Mo., Evansville, Ind., and elsewhere, a corporation of New Jersey.

187,553. **BERGUNDA.** DYESTUFFS, CERTIFIED FOOD COLORS, AND INTERMEDIATES. Registered August 5, 1924. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed August 5, 1944, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

187,620. **NOVOCAIN.** ANÆSTHETICS. Registered August 5, 1924. H. A. METZ LABORATORIES, INC. Renewed August 5, 1944, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by merger.

187,629. **C B RIKER.** CATHARTIC PILLS, TONIC MEDICINAL PREPARATIONS FOR ANÆMIA, NEURASTHENIA, CHLOROSIS, GENERAL DEBILITY, IMPOTENCY, AND DISORDERS OF THE BLOOD AND NERVES; PREPARATIONS FOR BOWEL AND LIVER DISEASES, TABLETS FOR COLDS, LA GRIPPE, AND INFLUENZA; AND OTHER CERTAIN NAMED MEDICINAL PREPARATIONS. Registered August 5, 1924. THE SYDNEY ROSS CO., Newark, N. J., a corporation of New Jersey. Renewed August 5, 1944.

187,630. **"ROSS" AND DESIGN.** DENTIFRICES, TALCUM POWDERS, SACCHARINE TABLETS, QUININE SULPHATE, QUININE BISULPHATE, AND PHENOLPHTHALEIN TABLETS. Registered August 5, 1924. THE SYDNEY ROSS CO., Newark, N. J., a corporation of New Jersey. Renewed August 5, 1944.

187,631. **DR. ROSS.** PREPARATIONS FOR THE TREATMENT OF DISEASES ARISING WHOLLY OR IN PART OUT OF IMPROPER FUNCTIONING OF THE LIVER OR BOWELS, SUCH AS INDIGESTION, CONSTIPATION, BILIOUSNESS, NERVOUSNESS, IRRITABILITY, DEPRESSION, INSOMNIA, LASSITUDE, DIZZINESS, DROWSINESS, HEADACHES, SPOTS BEFORE THE EYES, ETC. Registered August 5, 1924. THE SYDNEY ROSS CO., Newark, N. J., a corporation of New Jersey. Renewed August 5, 1944.

187,781. **"SHURSEAL" AND DRAWING.** READY-MIXED PAINTS AND VARNISHES. Registered August 12, 1924. BAKER PAINT & VARNISH CO., Jersey City, N. J., a corporation of New Jersey. Renewed August 12, 1944.

187,792. **AMERICAN BEAUTY.** HAIR TONIC. Registered August 12, 1924. R. ODELL & SONS COMPANY, Newark, N. J., assignor to The Odell Company. Renewed August 12, 1944, to The Odell Company, Newark, N. J., a corporation of New Jersey, assignee.

187,793. **"AMERICAN BEAUTY" AND DRAWING.** HAIR TONIC. Registered August 12, 1924. R. ODELL & SONS COMPANY, Newark, N. J., assignor to The Odell Company. Renewed August 12, 1944, to The Odell Company, Newark, N. J., a corporation of New Jersey, assignee.

187,843. **FOLK-LORE.** NONALCOHOLIC, MALTLESS FLAVORING AND COLORING FOR SOFT DRINKS. Registered August 12, 1924. J. F. LAZIER MANUFACTURING COMPANY, INCORPORATED, St. Louis, Mo., a corporation of Missouri. Renewed August 12, 1944.

187,866. **BRILLO.** COOKING UTENSILS MADE OF ALUMINUM AND OTHER METALS, AND SOAP HOLDERS. Registered August 12, 1924. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed August 12, 1944.

187,868. **VELLUMOID.** SHEET PACKING AND GASKETS MADE OF PAPER COMPOSITION. Registered August 12, 1924. THE VELLUMOID COMPANY, Boston, Mass. Renewed August 12, 1944, to The Vellumoid Company, Worcester, Mass., a corporation of Massachusetts.

187,879. **DUXPAR.** VARNISH. Registered August 12, 1924. PHELAN-FAUST PAINT MANUFACTURING COMPANY. Renewed August 12, 1944, to Phelan-Faust Paint Mfg. Co., St. Louis, Mo., a corporation of Missouri, assignee.

187,880. **"SUNNYSIDE" AND DESIGN.** MIXED PAINTS. Registered August 12, 1924. BAKER PAINT & VARNISH Co., Jersey City, N. J., a corporation of New Jersey. Renewed August 12, 1944.

187,900. **CONTINENTAL ELECTRIC.** ELECTRIC MOTORS, ELECTRIC GENERATORS, ALTERNATORS, ROTARY CONVERTERS, MOTOR-GENERATOR SETS, DYNAMOTORS, AND SWITCHBOARDS. Registered August 12, 1924. CONTINENTAL ELECTRIC CO., INC., Newark, N. J., a corporation of New Jersey. Renewed August 12, 1944.

187,939. **BRILLO.** ELECTRIC LAMPS AND INCANDESCENT BULBS. Registered August 12, 1924. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed August 12, 1944.

187,946. **GEM.** SAFETY RAZORS, SAFETY-RAZOR BLADES, AND SAFETY-RAZOR SETS. Registered August 12, 1924. GEM SAFETY RAZOR CORPORATION. Renewed August 12, 1944, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia, assignee by mesne assignments.

187,952. **UPSON DOWNS.** CLOTH SOLD IN THE PIECE AND MADE OF ANIMAL FIBER—NAMELY, WOOL, MOHAIR, OR CAMEL'S HAIR, OR MIXTURES OF TWO OR MORE OF THEM. Registered August 12, 1924. S. STROOCK & CO., INC., New York, N. Y., a corporation of New York. Renewed August 12, 1944.

187,954. **"DYNAMICUT" AND DRAWING.** AXES, HATCHETS, ADZES, MACHETES, TERCADOS, CHISELS, BOWIE KNIVES, KITCHEN KNIVES, SWORDS, AUGERS, BORING BITS, LANZAS, LANCITAS, JINCOLAS, ARPONES, SICKLES, MILL-PICKS, WEDGES, SHOVELS, SPADES, STONE AND ROCK DRILLS, CROWBARS, MATTOCKS, HOES, AND OTHER CERTAIN NAMED TOOLS. Registered August 12, 1924. THE COLLINS COMPANY, Collinsville, Conn., a corporation of Connecticut. Renewed August 12, 1944.

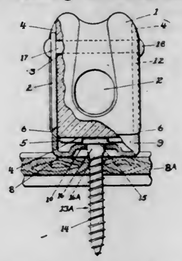
187,957. **"THE DOUBLE EAGLE BOTTLING CO." AND DESIGN.** NONALCOHOLIC, MALTLESS BEVERAGES TO BE SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR THE MAKING OF SAME. Registered August 12, 1924. THE DOUBLE EAGLE BOTTLING CO., Cleveland, Ohio, a corporation of Ohio. Renewed August 12, 1944.

REISSUES

APRIL 11, 1944

22,469
INSULATOR
Clarence J. Lemont, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Original No. 2,259,526, dated October 21, 1941, Serial No. 329,211, April 12, 1940. Application for reissue June 18, 1943, Serial No. 491,372
5 Claims. (Cl. 174—154)

3. A bracket comprising an insulator having a transverse aperture and diametrically disposed grooves extending from said aperture to one end of said insulator, in combination with a unitary reinforcing frame comprising a substantially non-yielding cup-like base rigidly embracing said one end and a pair of arms integral with the base disposed in said grooves, means in said aperture securing said arms in said grooves, said base having a portion spaced from said one end providing a central inwardly dished portion on said base with a centrally disposed aperture in said dished portion defined by a plurality of angularly related sides, and a screw having an unthreaded portion of its shank disposed in said aperture and defined peripherally by a plurality of angularly related sides each engaging a corresponding side of said aperture and having a head disposed between



said base and said one end of said insulator, the threaded portion of said screw extending to a plane substantially coinciding with the exterior seating surface of said base.

PLANT PATENTS

GRANTED APRIL 11, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

623
PEACH TREE
Elmer W. Freeland, Clarinda, Iowa, assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo., a corporation of Missouri
Application November 4, 1943, Serial No. 508,966
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, characterized as to novelty by its unusual hardiness both as to bud and wood, the early coloring of the fruit before ripening, and its superior quality and later ripening period with respect to the "J. H. Hale" variety, substantially as shown and described.

PATENTS

GRANTED APRIL 11, 1944

2,346,125
PROPELLANT POWDER
Ellsworth S. Goodyear, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 9, 1940, Serial No. 351,961
7 Claims. (Cl. 52—22)

1. In the process of making progressive burning smokeless powder by coating substantially completely colloided smokeless powder grains with a deterrent material, the improvement comprising wetting the smokeless powder grains with a volatile liquid which is a weak solvent for the deterrent material and substantially a non-solvent for the smokeless powder grains; adding the deterrent material to the wetted smokeless powder grains; and tumbling the mass thus formed and heating sufficiently to progressively and slowly dissolve small quantities of the deterrent material in the weak solvent, whereby said small quantities of dissolved deterrent penetrate into the smokeless powder grains to form a uniform deposition thereon which is progressively and uniformly increased as said deterrent material is progressively dissolved, to form a uniform coating of deterrent on the powder grains.

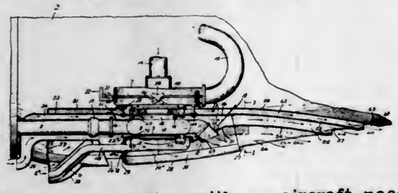
2,346,126
PRODUCTION OF IMPROVED CELLULOSIC CORDS AND YARNS
Edward T. Lessig, Cuyahoga Falls, and Lewis Larrick, Stow, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 8, 1942, Serial No. 438,117
20 Claims. (Cl. 57—153)

1. The process for producing highly fatigue resistant cotton cords and yarns which comprises treating cotton yarns with a dilute aqueous solution of an electrolyte composed of a cation of a strong base and an inorganic anion, said solution having a pH of 8 to 13, and twisting the treated yarns while wet.

2,346,127
TREATMENT OF SOLVENT REFINED OILS WITH ADSORBENTS
Thomas P. Simpson, John W. Payne, and Peter D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 20, 1941, Serial No. 384,284
6 Claims. (Cl. 196—147)

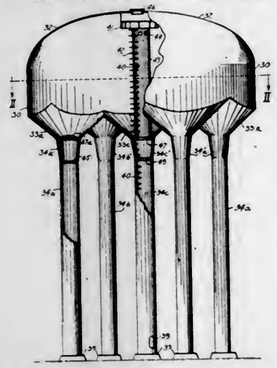
1. In the method of treating oils which have been partially refined by subjection to the action of preferential solvents for the removal of impurities and the subsequent separation of the dissolved impurities from the remaining stock, the steps which comprise contacting said remaining stock with a porous, solid, inorganic adsorbent, having thereon a deposit of carbonaceous material added to the adsorbent and less than all of which has been burned off to leave a residual deposit of activated carbon.

2,346,128
TURBOSUPERCHARGER
Wayne H. Allen, Eagle Rock, Calif., assignor to General Electric Company, a corporation of New York
Application September 28, 1942, Serial No. 459,912
6 Claims. (Cl. 60—41)



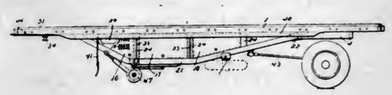
4. The combination with an aircraft nacelle, of a turbosupercharger mounted in the nacelle, an exhaust hood for the turbosupercharger, means forming an axially and radially adjustable joint between the turbosupercharger and the hood, and walls defining passages, one above another, through which cooling air and exhaust gases are conveyed to the outside of the nacelle.

2,346,129
ELEVATED TANK
Rodney W. De Vore, West View, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania
Application July 26, 1941, Serial No. 404,195
10 Claims. (Cl. 220—69)



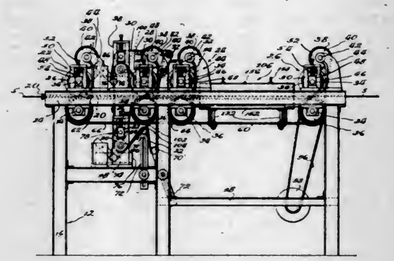
1. An elevated tank comprising column-like supporting members, a composite bottom portion and an upper portion comprising a shell disposed about a vertical axis; said composite bottom portion comprising inverted conical shells, one of which has its axis coincident with said vertical axis extended, and the others of which are disposed symmetrically about said vertical axis extended; the lower edges of all said conical shells being attached to and supported by said column-like members; said conical shells being extended upwardly to intersect adjoining conical shells; said upper portion being extended downwardly to connect with the upper edges of said conical sections.

2,346,130
VEHICLE
John Linwood Evans, Sumter, S. C.
Application June 13, 1941, Serial No. 397,974
7 Claims. (Cl. 280—106)



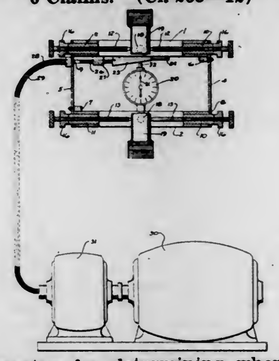
1. In a road vehicle, a main frame comprising side longitudinal beams connected together at the ends by cross beams, intermediate cross beams located at predetermined spaced intervals beneath and secured to said side longitudinal beams, a main floor laid on said main frame; a subframe comprising upper longitudinal beams spaced apart and inwardly of said main frame side longitudinal beams and overlying said intermediate cross beams, lower longitudinal beams located below said upper longitudinal beams and each including a dropped portion and upwardly inclined forwardly and rearwardly extending portions respectively, the ends of which are securely connected with said upper longitudinal beams, vertical pillars located at spaced intervals between said upper and lower longitudinal beams and connected to said lower longitudinal beams and said cross beams; a sub-floor carried by said lower longitudinal beams, and transverse partitions in said sub-frame for dividing it into a plurality of chambers; and sides for said chambers.

2,346,131
METHOD OF SURFACING WOOD
Gordon G. Frater, Watertown, Wis., assignor to G. B. Lewis Company, Watertown, Wis., a corporation of Wisconsin
Application December 28, 1940, Serial No. 372,056
4 Claims. (Cl. 144—309)



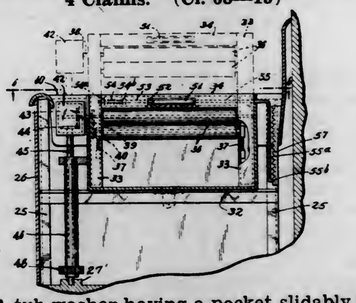
1. The method of treating a piece of wood, the surface of which has minute fibrous projections as is characteristic of wood after having been sanded, which comprises wetting said surface, applying heat and pressure thereto at the same time, said heat and pressure being obtained by passing the piece of wood past a smooth heated metal surface with the wood pressing against said metal surface with sufficient pressure to maintain the surface of the wood in firm contact with the metal surface without substantially increasing the density of the wood so that the fibrous projections will be bent over and flattened against the wood surface.

2,346,132
APPARATUS FOR INDICATING DEPARTURE FROM NORMAL RATE OF STRAIN OF PROGRESSIVELY STRESSED SPECIMENS
Chester H. Gibbons, Drexel Hill, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application December 18, 1941, Serial No. 423,405
6 Claims. (Cl. 265—12)



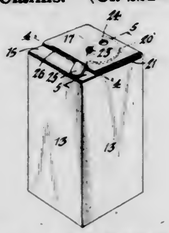
1. Apparatus for determining when a specimen loaded in a materials testing machine is subjected to a predetermined rate of strain independently of its relation to stress comprising, in combination, an extensometer mounted on the specimen including an indicating device adapted to be operated when the specimen strain varies from the desired rate, power means continuously operable at a uniform rate, and means driven by said power means for preventing the operation of said indicating device so long as the specimen is strained at the predetermined rate of strain regardless of its relation to stress created in the specimen during loading thereof.

2,346,133
INNER TUB WASHER
Frank J. Hayes, Brooklyn, N. Y., assignor of twenty per cent to Saul M. Slomsky, Brooklyn, N. Y.
Application February 3, 1941, Serial No. 377,089
4 Claims. (Cl. 68—13)



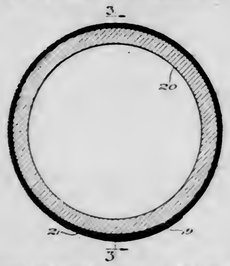
1. A tub washer having a pocket slidably housing a wringer to be movable to an operative position extended from the top of said pocket, a rack mounted along one side of said pocket, a rod slidably mounted on said wringer, means urging said rod into a position in which one end of said rod engages said rack holding said wringer against being moved, and means mounted on said rod, whereby said rod may be manually moved against said first-mentioned means to disengage said rod from said rack freeing said wringer to be moved either up or down.

2,346,134
DISPENSING CONTAINER OR CARTON
Edward W. Kirkland and Herman E. Otto, Buffalo, N. Y., assignors to Cooper Paper Box Corporation, Buffalo, N. Y., a corporation of New York
Application November 12, 1942, Serial No. 465,336
6 Claims. (Cl. 221—64)



1. A container of the character described, comprising a cardboard body having overlapping end closure flaps, certain of said flaps having registering perforations therein and the outermost flap having a dispensing port in alining relation with said perforations for the emission of the container-contents, said outermost flap including two coextensive sections folded in overlaying relation, and a valve-like member movably mounted between said flap-sections for controlling said dispensing port.

2,346,135
METHOD OF MAKING TUBULAR CASINGS FOR SHIPPING CONTAINERS
George Kress, Green Bay, Wis.
Application April 9, 1941, Serial No. 387,600
6 Claims. (Cl. 93—94)



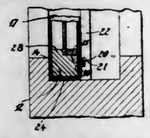
1. A method of making a tubular casing comprising providing a substantially straight sheet of corrugated material, adhesively securing a liner sheet to the extending surface of the ribs on one side of said material, said liner sheet being wider than the corrugated sheet and extending beyond the same on one side thereof, forming the corrugated sheet and the liner attached thereto into a tubular casing with the liner on the outside of the casing and with the extending side of the liner in overlapping relation, and securing a liner sheet to the corrugated material on the inside of the casing.

4. A method of making a tubular casing for a shipping container, comprising providing a substantially flat sheet of corrugated material adhesively securing a liner sheet in fixed position to the extending surfaces of the ribs on one side of said material while the corrugated sheet is substantially flat to provide a flat corrugated sheet with a liner sheet attached to the projecting ribs on one side thereof, forming the corrugated sheet and the liner attached thereto into a convolute tubular casing with said ribs disposed in parallel relation to the longitudinal axis of the casing, applying to the other side of the corrugated material a second liner sheet, and adhesively securing the second liner sheet to the extending surface of the ribs on the other side of the corrugated material while the corrugated sheet and the liners are in the form of a tubular casing.

2,346,136
PLASTIC COMPOSITION AND PROCESS OF MAKING THE SAME
Stanley P. Lovell, Newtonville, and Harry H. Straw, Boston, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
No Drawing. Application October 17, 1941, Serial No. 415,486
8 Claims. (Cl. 106—191)

8. A new composition of matter, having as its principal ingredient ethyl cellulose in solid solution in roughly equal parts with partially saponified candelilla wax, and constituting a hard, tough, resilient material having a specific gravity of about 0.9 and a tensile strength of about 4,000 lbs. per square inch.

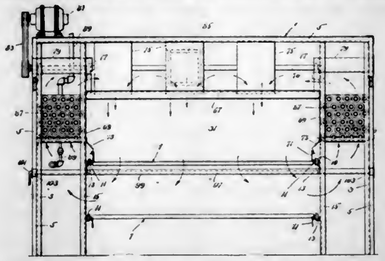
2,346,137
WEATHER STRIPPING
Mary A. McDonough, Brooklyn, N. Y.
Application February 3, 1941, Serial No. 377,217
3 Claims. (Cl. 20—69)



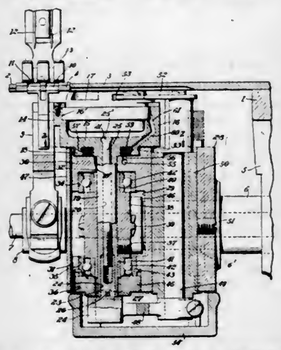
1. A longitudinally adjustable weather strip for attachment to a window frame, comprising a pair of members formed of thin sheet metal, each having a base portion, a portion extending longitudinally thereof substantially at a right angle thereto, and a leaf extending substantially at a right angle from one end thereof; said base portions overlapping and being adapted to be secured to a window sill, and said longitudinal angular portions being resilient and extending upward to press against the outside of the window sash when closed and thereby check drafts and rattling of the sash; one of said longitudinal angular portions being overturned to form a flange closely slidably engaging the other of said portions; said leaf portions being adapted to lie and be secured in the sash runways of said frame to hold said strip in extended position and being sufficiently thin to avoid interference with the operation of the window sash in said runways; the lower base portion having a slot therein; and means extending from said upper base portion through said slot for attaching the base portions to said sill in adjusted position.

2,346,138
APRON DRIER
Frank B. Morrill, North Adams, Mass., assignor to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts
Application March 27, 1941, Serial No. 385,399
3 Claims. (Cl. 34—223)

1. A drier having in combination a housing, means transporting the material to be dried through the housing in a horizontal sheet, a plurality of shafts extending across and supported above said transporting means at spaced intervals in the length thereof, a plurality of blowers in spaced relation on each shaft, and staggered with relation to the blowers on an adjacent shaft, blowing against the surface of the sheet and uniformly covering the entire width thereof with their blasts, means rotating the shafts, and means leading air passing through the sheet around both lateral edges of the sheet back to the blower intakes.



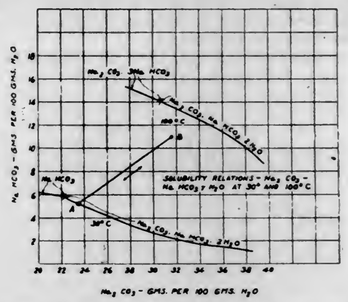
2,346,139
ROTARY HOOK MECHANISM FOR SEWING MACHINES
Walter Myers, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 13, 1942, Serial No. 454,655
10 Claims. (Cl. 112—256)



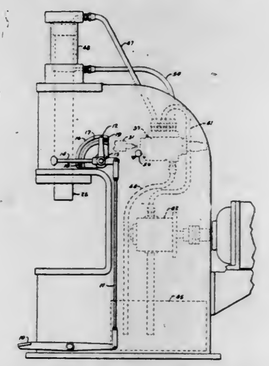
1. In a sewing machine, in combination, a rotary hook having a body providing a bottom wall and a cylindrical side wall; said side wall being provided with a thread-carrier raceway, and said bottom wall being externally provided with an annular flange having an undercut inner side face, a thread-carrier journaled in said raceway and restrained against rotation with said hook; a lubricant-collecting cup having a side wall encircling said flange in close proximity thereto; a lubricant-supply conduit opening into said cup at a point within an area circumscribed by said flange; and lubricant conducting connections between said undercut face of the flange and said raceway.

2,346,140
PRODUCTION OF PURE SALTS FROM TRONA
Robert D. Pike, Pittsburgh, Pa.
Application March 25, 1941, Serial No. 385,092
4 Claims. (Cl. 23—63)

3. A cyclic process for producing soda ash from Wyoming trona carrying organic matter and contained iron which comprises dissolving the trona in a hot cycling brine of sodium carbonate and bicarbonate containing substantially more normal carbonate than bicarbonate, contacting the solution with an adsorbent and thereby removing said organic matter and contained iron, separating the solution from said adsorbent, cooling the solution, crystallizing and recovering refined crystallized sodium sesqui-carbonate, and calcining the crystals to produce soda ash.

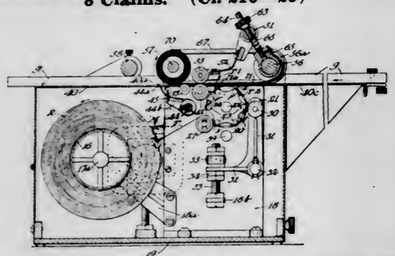


2,346,141
HYDRAULIC PRESS CONTROL
Willis Jay Snyder, Defiance, Ohio, assignor to Defiance Machine Works, Inc., Defiance, Ohio, a corporation of Ohio
Application May 2, 1941, Serial No. 391,556
5 Claims. (Cl. 121—38)



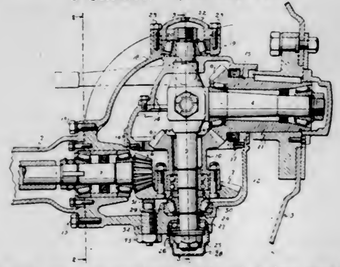
1. In a hydraulic press having a movable ram and a controlling valve, an oscillatory sleeve, motion transmitting means operatively connecting said oscillatory sleeve and said ram, and causing said oscillatory sleeve to move concurrently with and proportionately to the movement of said ram, said sleeve having an end exposed to view, a radial extension on said end of the sleeve, a pair of adjustable stops on said extension, an oscillatory valve-actuating shaft in said sleeve, and an arm on said shaft overlying the extension on said sleeve and extending between said stops, said arm being movable into a first extreme position to cause said ram to be driven downward, an intermediate position to cause said ram to remain stationary, and a second extreme position to cause said ram to be driven upward, and said stops determining the limit of the stroke of the ram by moving said arm out of its first or second extreme position to terminate the downward or upward movement of the ram.

2,346,142
AUTOMATIC PRESSURE-SENSITIVE ADHESIVE TAPE DISPENSER
Arthur A. Anderson, Rose Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application December 4, 1942, Serial No. 467,891
8 Claims. (Cl. 216—29)



1. A device for dispensing pressure-sensitive adhesive tape and applying it about the edge of an object comprising means for withdrawing tape from a supply roll, means for cutting it into accurately measured pieces of predetermined length, means for thrusting out a piece and releasably holding it by adhesive contact therewith at a dispensing station in a position to be contacted on its adhesive side by a side surface of the object being taped, and sealing means for pressing the piece into adhesive engagement with the top and bottom surfaces of the object.

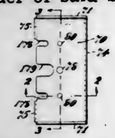
2,346,143
FRONT WHEEL DRIVE MECHANISM
Frank H. Asam, Detroit, Mich.
Application May 30, 1942, Serial No. 445,155
5 Claims. (Cl. 180—43)



1. In a vehicular front wheel drive mechanism, the combination with a king pin, a spindle rigidly projecting from the king pin, and a wheel journaled on the spindle, of a live axle, gearing driving the wheel from said axle, a housing for said axle, and a mounting for the king pin rigidly and terminally carried by said housing, a provision above said gearing for seating and supporting said mounting, a seating element carried by the king pin below said gearing for seating and supporting said mounting, and an anti-friction thrust bearing interposed between said seating element and said mounting.

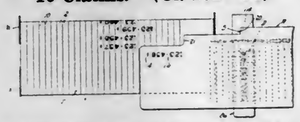
2,346,144
SAFETY BLADE MAGAZINE
Sidney H. Benjamin, Milwaukee, Wis.
Application June 14, 1941, Serial No. 398,053
6 Claims. (Cl. 30—40)

1. A razor blade magazine adapted to receive a plurality of stacked razor blades comprising a casing having an elongated opening facilitating the emission of a razor blade from within said casing, resilient means within said casing constantly presenting the outermost blade of a stack of blades within said casing to said emission opening, means within said casing adapted to retain the remainder of said blades within said



casing during the emission of said single blade, the top member of said casing having a forwardly positioned elongated recess, and at least one additional forwardly positioned elongated recess, the depth of each last mentioned additional recess being not greater than the depth of the first mentioned recess.

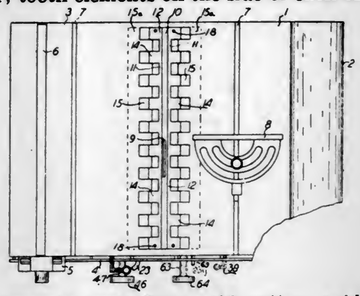
2,346,145
RECORDER FOR COLLECTIONS
Harvey N. Bliss, Windsor, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application October 24, 1941, Serial No. 416,316
10 Claims. (Cl. 101—94)



1. In a recorder for making a double record at preselected corresponding positions, one on a longitudinally columned tally sheet and the other on a receipt card having printing indicia extending longitudinally inward from its leading edge, transversely extending receipting positions spaced from the indicia and correspondingly numbered to the tally sheet columns, and a preformed stop shoulder in one edge thereof; the combination of a casing having an opening for the insertion of a receipt card, means for supporting a tally sheet in the casing with the columns of the tally sheet extending transversely of the casing, means for advancing the tally sheet one step transversely of the casing after each recording operation, receipting type indicia fixed against longitudinal movement of and transversely arranged in the casing intermediate of the tally sheet supporting means and card insertion opening, cutting means stationarily mounted in said casing for preforming a new stop shoulder on the receipt card upon each recording operation, stop means fixed against movement in the casing for engaging the stop shoulder of an inserted card to limit the insertion thereof and position the leading character of the card printing indicia in a tally sheet column when the like numbered card receipting position overlies the receipting type indicia, and means for transferring an imprint of the printing indicia of an inserted receipt card to a supported tally sheet and an imprint of the receipting indicia to an inserted receipt card.

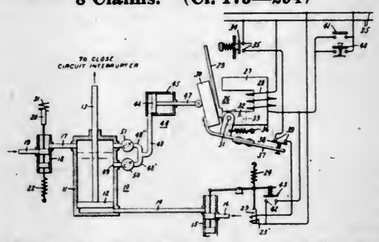
2,346,146
WOODWORKING MACHINE
William B. Boice, Toledo, Ohio
Original application March 17, 1939, Serial No. 262,432. Divided and this application March 10, 1942, Serial No. 434,151
7 Claims. (Cl. 143—132)

7. In a saw machine; a saw machine having a work top with a slot therein and a cutter disposed in said slot; tooth elements fixed to two of the walls of said slot and extending toward each other; two allochiral bar elements supported lengthwise in said slot on opposite sides of the cutter; tooth elements on the side of each of said



bar elements away from said cutter; said slot tooth elements telescoping with said bar tooth elements; and said telescoping tooth elements and their associated bar elements supporting a work piece entirely across said table top and immediately adjacent said cutter.

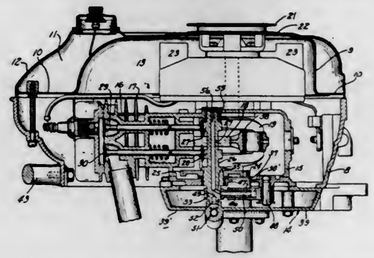
2,346,147
PUMPPROOF SWITCH CONTROL SYSTEM
Alexander C. Boisseau, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application February 13, 1942, Serial No. 430,773
8 Claims. (Cl. 175—294)



1. In a circuit-interrupter controlling system comprising motive means for moving said circuit interrupter to the closed position, an electric control circuit for effecting the operation of said motive means, means including a first switch for rendering said electric control circuit effective to initiate operation of said motive means to move said circuit interrupter to the closed position, electromagnetic means having an armature for operating said first switch, means including an operator's switch for energizing said electromagnetic means to operate said first switch and initiate closing of said circuit interrupter, and fluid operated means responsive to a predetermined operation of said motive means for causing deenergization of said control circuit, said electromagnetic means being so constructed and arranged to maintain said control circuit in the deenergized condition as long as said operator's switch is closed regardless of the position of said circuit interrupter.

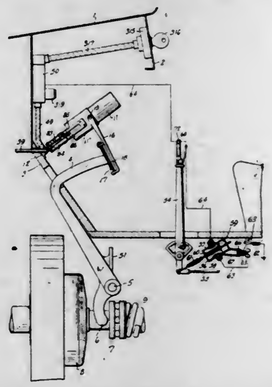
2,346,148
OUTBOARD MOTOR
Alfred S. Bosma, New Holstein, Wis., assignor, by mesne assignments, to Hart-Carter Company, Peoria, Ill., a corporation of Delaware
Application August 1, 1940, Serial No. 349,052
11 Claims. (Cl. 184—6)

3. In an outboard motor having a support and having means whereby the motor may be pivoted forwardly on said support to an inoperative position, a combustion engine provided with a crank case and with a cylinder rearwardly of said crank case, a reservoir for lubricating oil of greater area in plan view than the corresponding area of the crank case positioned below said crank case when the motor is in normal operating position, said increased area of the reservoir including a forward portion which is offset laterally from the front upright wall of the crank case, there being a drain opening between said crank case and res-



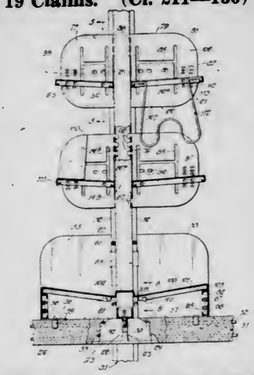
ervoir, means for feeding oil from said reservoir to parts in the crank case to be lubricated, said offset portion of the reservoir having a top cover flange and forming a trap of a size to accommodate the major portion of oil normally in the entire reservoir when the motor is tilted forwardly said trap portion being located remote from the cylinder so that any oil not accommodated in the trap portion will flow into the end of the crank case remote from the cylinder when the motor is in said forwardly tilted position.

2,346,149
SAFETY CONTROL SYSTEM FOR MOTOR VEHICLES
Charles A. Brewer, Noroton Heights, N. Y., assignor of one-half to Philip J. Kury, Arverne, N. Y.
Application October 2, 1929, Serial No. 396,691
68 Claims. (Cl. 192—.01)



1. In a clutch control device for motor vehicles, a power device connected to the clutch and capable of releasing it, a control device for the power device to cause it to function to release the clutch, and automatic means controlled by movement of the clutch to irregularly control said power device for varying the resistance of the latter to the engaging movement of the clutch.

2,346,150
LIBRARY BOOK STACK OR THE LIKE
Clifford S. Brown, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application August 26, 1941, Serial No. 408,344
19 Claims. (Cl. 211—136)



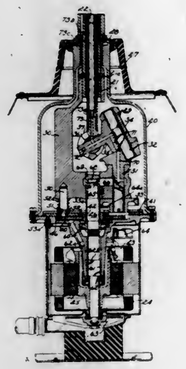
1. In a structure of the class described, the combination of a pair of columns, a pair of shelf brackets, interengaging means on the columns and shelf brackets for vertical adjustment of the brackets on the columns, a shelf supported by the brackets, means disposed fan-like in the brackets for arranging the shelf to slope upwardly or downwardly or to lie horizontally, selectively, and means on the brackets providing alternative positions for the shelf on the brackets laterally inwardly and outwardly.

2,346,151
PROCESS OF TREATING COAL
Robert E. Burk, Cleveland Heights, and Einar Kropp, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application May 18, 1940, Serial No. 336,012
5 Claims. (Cl. 44—1)

1. A process of treating coal, which comprises grinding coal in the presence of water to a fineness of eighty-five per cent two hundred mesh and ninety-five per cent one hundred mesh, subjecting the product in at least one zone to treatment with bubbled air and an acid frothing agent, returning over-sized particles to the wet grinding zone, taking off the fine particles from the frothing treatment, eliminating excess of water from such particles, neutralizing the acid frothing agent and changing same to a dispersing agent, incorporating in the slurry an agent lessening its oxygenizing tendencies, pumping the resultant slurry through a pipe line to point of use, running the slurry into a storage and settling basin, drawing off the thicker coal slurry from the bottom filtering, and drying the particles in an inert atmosphere.

2,346,152
DOMESTIC APPLIANCE
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 31, 1942, Serial No. 437,075
16 Claims. (Cl. 74—60)

1. A driving mechanism comprising a rotatable sleeve and a reciprocable shaft coaxially arranged, a rotatable cage secured to said sleeve, a rotary-reciprocating transmission mounted on said cage and connected to said shaft, means for rotatably driving said cage, means for maintaining said cage substantially stationary and for actuating said rotary-reciprocating transmission to reciprocate said shaft, and means for rotating said rotatable sleeve and reciprocable shaft in unison without reciprocating said reciprocable shaft.



2,346,153
COMPOUNDED OIL
George H. Denison, Jr., and Paul C. Condit, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 2, 1940, Serial No. 350,062
22 Claims. (Cl. 252—48)

1. A composition comprising a hydrocarbon oil, a high molecular weight dialkyl thioether oxidation inhibitor, and an activator for said thioether comprising a salt of an acid of phosphorus containing an organic substituent, said salt being present in an amount sufficient to enhance the action of said oxidation inhibitor.

2,346,154
COMPOUNDED HYDROCARBON OIL
George H. Denison, Jr., and Paul C. Condit, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 2, 1940, Serial No. 350,063
17 Claims. (Cl. 252—38)

1. A composition comprising a hydrocarbon oil containing a stabilizing amount of a metal phenate sufficient to inhibit deterioration of the oil and a polyvalent metal salt of an acid of phosphorus containing an organic substituent, said salt being present in an amount sufficient to augment the stabilizing action of said metal phenate, and a thioether sensitizer for the hydrocarbon oil capable of enhancing its responsiveness to stabilization by said phenate and said salt.

2,346,155
COMPOUNDED OIL
George H. Denison, Jr., and Paul C. Condit, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 23, 1942, Serial No. 432,040
14 Claims. (Cl. 252—32)

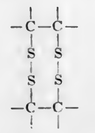
1. A composition comprising a hydrocarbon oil, an ether of an element of group VI—B of Mendelyeev's Periodic Table and selected from the class consisting of sulfur, selenium and tellurium, said ether being present in an amount sufficient to stabilize said oil against deterioration under oxidizing conditions, and a salt of an organo-inorganic acid in an amount sufficient to enhance the stabilizing action of said ether.

2,346,156
COMPOUNDED LUBRICANT
Bruce B. Farrington, Victor M. Kostainsek, and George H. Denison, Jr., Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 16, 1942, Serial No. 431,116
19 Claims. (Cl. 252—32)

1. A lubricating oil having a corrosion index greater than about 40 containing a paraffin wax thiomer in an amount sufficient to inhibit the corrosive action of said lubricating oil.

2,346,157
COMPOUNDED OIL
Bruce B. Farrington, Victor M. Kostainsek, and George H. Denison, Jr., Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 16, 1942, Serial No. 431,117
18 Claims. (Cl. 252—32)

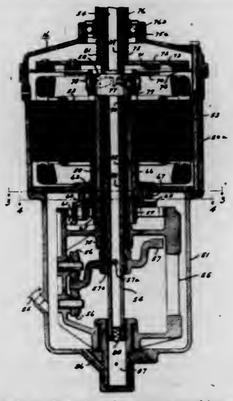
1. A viscous hydrocarbon oil containing from approximately 0.1% to 2% by weight based on the oil of a polyvalent metal salt of an organic acid, from approximately 0.1% to 2% by weight based on the oil of a multi-bridged thioalkyl compound containing the chemical group—



said compound having at least one long carbon chain, and from approximately 0.05% to 2% by weight based on the oil of a metal salt of an inorganic acid containing an organic substituent.

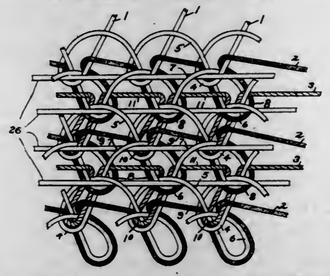
2,346,158
DRIVING MECHANISM
John B. Dyer, Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application June 29, 1940, Serial No. 343,206. Divided and this application June 16, 1943, Serial No. 491,032
17 Claims. (Cl. 74—23)

1. A driving mechanism comprising a reversible motor, a rotatable shaft, a reciprocable shaft, means for drivingly connecting said motor to said rotatable shaft when said motor rotates in one direction to rotate said rotatable shaft while preventing reciprocation of said reciprocable shaft,



and means for drivingly connecting said motor to said reciprocable shaft when said motor rotates in the opposite direction to reciprocate said reciprocable shaft while preventing rotation of said rotatable shaft.

2,346,159
FABRIC
Frank J. Ford, Worcester, Mass., assignor of one-third to Harry Whittaker, Oxford, and one-third to Max B. Striar, Worcester, Mass.
Application July 14, 1941, Serial No. 402,293
6 Claims. (Cl. 66—190)

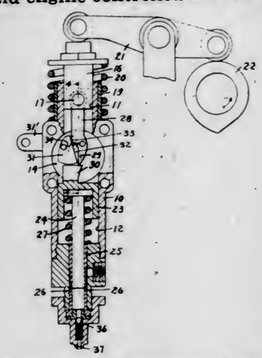


1. A knit fabric comprising warp threads knit together to form a fabric in alternate right and left hand loops, the runs of thread between successive loops in the same warp thread being on a diagonal, and transverse filler yarns lying across the fabric and under said diagonal runs only on the face of the fabric, and transverse weft threads knit into the fabric in loops coinciding with said warp thread loops, said warp and weft threads lying completely to one side of the filler yarns except at the diagonal runs of the warp threads.

2,346,160
FUEL INJECTION APPARATUS
Louis O. French, Milwaukee, Wis.
Application April 4, 1941, Serial No. 386,763
12 Claims. (Cl. 123—139)

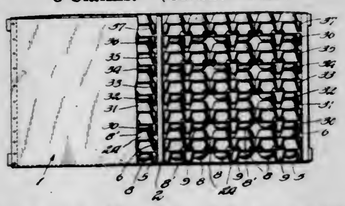
1. In a fuel injection apparatus for internal combustion engines, the combination with a reciprocatory pump plunger and a spring for moving said plunger on its non-delivery stroke, of engine controlled means for moving said plunger

on its delivery stroke including a trippable member, and control trip means operable during the delivery stroke to trip said trippable member to render said engine controlled means ineffective to



move said plunger to thereby control the effective stroke of said plunger and permit said spring to quickly return said plunger immediately after tripping is effected and independently of the speed of said engine controlled means.

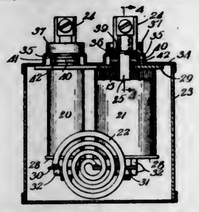
2,346,161
MEANS FOR ENCASING EGGS
Jesse R. Grant, Chicago, Ill.
Application April 16, 1941, Serial No. 388,728
8 Claims. (Cl. 217—26.5)



1. A flat and filler assembly for an egg case section comprising only five flats each comprising a planar portion with cavity forming depressions and feet depending therebelow and with bosses extending thereabove, and only five fillers each comprising a planar portion with hollow bosses extending thereabove to form inverted cavities registered with the cavities in the flats, and with feet depending therebelow and engaging the bosses on said flat to position the planar portions of the filler away from and parallel to the planar portions of the flats, the feet of the bottom one of said flats resting on the bottom of the case and the cavity forming depressions of the other flats resting on the tops of the hollow bosses of the filler beneath it with the feet of said other flats extending between and contacting the side of said hollow bosses to lock the fillers and flats together as a unit in the egg case section.

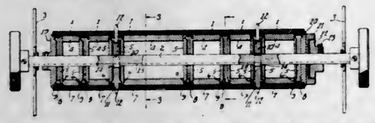
2,346,162
WAVE FILTER MOUNTING
Louis Hanopol, Jamaica Plain, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass., a corporation of Delaware
Application November 12, 1941, Serial No. 418,714
5 Claims. (Cl. 178—44)

3. A filter comprising a pair of condensers and an inductance coil, each condenser being of the wound type having metal foils and dielectric separators therebetween, and plates separately joined to said foils, said coil being connected to one of the plates of each condenser and the other plates being conductingly connected, a housing in which both condensers and the coil are submerged in oil, one wall of said housing being



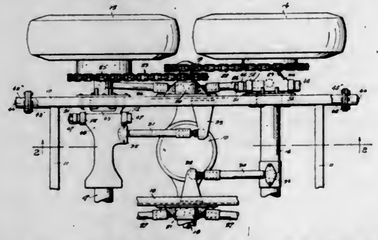
provided with a pair of central openings, bolts passed through the centers of said condensers and through said central openings by which bolts said condensers are secured in position in said housing with the connected plates clamped against the wall of the housing and sealing washers carried by said bolts at said openings.

2,346,163
COMBINATION ROLL AND INTERCHANGEABLE WHEEL
Pearl M. Hiles, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application July 5, 1941, Serial No. 401,224
15 Claims. (Cl. 197—133)



13. A platen roll for a recording apparatus, including a series of axially aligned platen roll sections and at least one pin wheel unit removably interposed between succeeding platen roll sections of the series, said platen roll sections being relatively adjustable while maintaining their axial alignment to permit transposition of the pin wheel into other positions between different platen roll sections of the series.

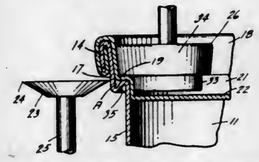
2,346,164
CHAIN-DRIVEN TANDEM REAR AXLE VEHICLE
John G. Holmstrom and Wallace M. Brown, Seattle, Wash., assignors to Kenworth Motor Truck Corporation, Seattle, Wash., a corporation of Washington
Application September 4, 1942, Serial No. 457,529
20 Claims. (Cl. 180—22)



1. In a chain-driven tandem rear-axle vehicle, in combination with the tandem rear axles and their wheels, the driving chains, and a vehicle

main frame: mechanism for spring-suspending the axles from the frame including torsion rods supported for torsional movements about axes fixed in relation to the frame; and frame-carried devices engaging the tandem rear axles and in the respective instance guidably supporting the vehicle wheels for vertical swinging movements about an axis corresponding to the rotational axis of the respective sprocket wheel from which the related chain derives its driving impulse, said guiding devices comprising, for each axle, a set of three radius rods two of which are applied at the opposite ends of the axle and, considered in top plan, extend oblique to one another and to the longitudinal center line of the frame and of which the other rod is applied between the two end radius rods and occupies a position paralleling said longitudinal center line.

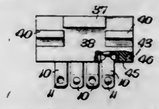
2,346,165
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 23, 1940, Serial No. 347,032
1 Claim. (Cl. 220—48)



A sanitary hermetically sealed container for food products and the like constructed to be opened by a cutting tool without the tool or cut parts coming in contact with the contents, comprising a tubular body member and a countersunk end member secured together in an end seam, said body member for the greater portion of its length having a straight wall, said body member intermediate said seam and straight wall being bent outwardly, obliquely downwardly and then upwardly to provide a substantially S-shaped offset portion which provides a shouldered container end portion of larger diameter than said straight wall and forms an annular substantially triangular pocket in said shouldered portion, said end member adjacent said shouldered portion being offset substantially horizontally inwardly and contacting the upper portion of said S-shaped offset portion, thereby closing said pocket, said end member thence being extended downwardly into close frictional sealing engagement with the interior of said straight wall of said body member inwardly of said shouldered portion, said annular pocket in opening the container being penetrated by a cutting tool applied to an outer wall of said pocket, said annular pocket when thus penetrated by said cutting tool functioning both as a cutting channel and as a shield which keeps the tool and any cut parts away from the contents of the container.

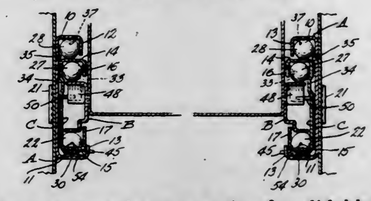
2,346,166
CONTACT AND SOCKET FOR THE CONTACT
Walter Hurleman, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 19, 1941, Serial No. 407,390
3 Claims. (Cl. 173—332)

3. A socket connector comprising a unitary elongated molded body having an upper plane face and a substantially parallel lower face, an aperture being formed in the body comprising at least three relatively small prong-receiving apertures in the upper face aligned longitudinally of the body and each communicating with a relatively enlarged cylindrical female contact recess or bore in the body terminating at one end in an annular shoulder adjacent to but spaced inwardly from the upper face of the body, said body having a longitudinal slot formed in the lower surface of this body in communication with all of the contact bores, the lateral walls of the longitudinal slot being provided with at least three shallow lateral recesses in transverse alignment with the respective bores but being staggered on opposite lateral walls so that the re-



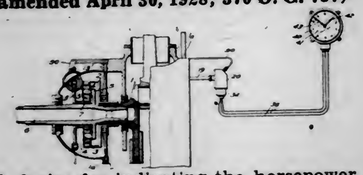
cesses of adjacent bores are on opposite walls of the slot, at least three female contacts each comprising a substantial cylinder and an integral soldering tail having a substantial flat portion being disposed in the respective bores of such diameter as to be stopped by said shoulder in one direction and disposed in alternate or staggered relation so that the respective flat portions of the tails are disposed in the respective shallow recesses in the slot to substantially fill the recesses and form an effective slot of substantially uniform parallel side walls, and a substantially rectangular separate strip of material forced frictionally into said effective slot to hold the soldering tails and to form a stop against the cylindrical portions in the other direction.

2,346,167
PROGRESSIVE SUSPENSION FOR DRAWERS AND THE LIKE
James R. Jones, Lakewood, and Levi M. Hultberg and Victor A. Gronberg, Jamestown, N. Y., assignors to Art Metal Construction Company, Jamestown, N. Y.
Application June 22, 1942, Serial No. 447,940
9 Claims. (Cl. 45—77)



3. In a progressive suspension for slidably supporting drawers and the like, comprising a stationary rail, and movable drawer and extension rails, and rolling bearing elements for supporting said drawer and extension rails for relative movement from said stationary rail, and including a ball carried by said extension rail and having rolling contact with said other two rails, the improved construction in which said extension rail is of channel form having a web and flange that form walls at opposite sides of said ball and a bottom wall with a hole through which said ball extends, said rail having integral parts of said channel-forming walls which are spaced apart less than the diametrical dimension of the ball and are disposed to engage the ball at opposite sides of a diametrical plane through the ball and prevent it from passing through said hole or out of the open side of said channel.

2,346,168
HORSEPOWER INDICATOR
Raymond W. Jones, Bethesda, Md.
Application April 1, 1941, Serial No. 386,313
2 Claims. (Cl. 265—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

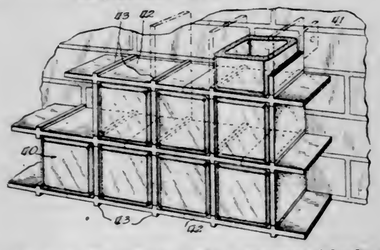


1. A device for indicating the horsepower output of an internal combustion engine, comprising dynamometer means operatively associated with the engine and responsive to the reaction torque exerted by the engine power transmission gearing for generating a fluid pressure proportional to the instant value of engine torque; a variable speed change mechanism mounted near the engine and consisting of a power-receiving member driven from the engine, a power take-off member, and a ratio-controlling device which takes the power from the power-receiving member and transmits it to the power take-off member, said device being operable to vary the speed ratio between the power-receiving member and the power take-off member; speed measuring means including a transmitter unit connected to and operated by the power take-off member, and an indicator unit mounted remotely from the transmitter unit and operatively connected to the latter to be actuated proportionally to the output of the transmitter unit, said indicator unit being calibrated to indicate horsepower; and pressure-responsive means operatively connecting the ratio-controlling device with the dynamometer means and actuated by and proportionally to the increase and decrease in the said fluid pressure to move the ratio-controlling device to a ratio-controlling position increasing or decreasing the speed of the transmitter unit in accordance with corresponding changes in engine torque whereby the output of the transmitter unit is a product of the instant values of engine torque and speed.

3,346,169

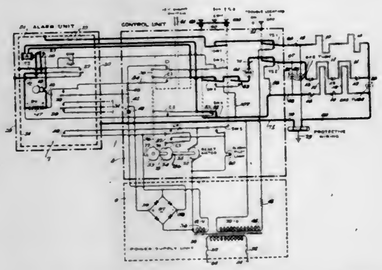
WITHDRAWN

2,346,170
WALL STRUCTURE
Rudolph Kalkusch, Chicago, Ill.
Application May 29, 1939, Serial No. 276,360
4 Claims. (Cl. 72—17)



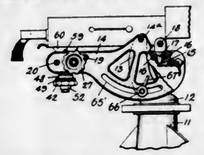
4. In a wall structure for vitreous blocks, the combination of a supporting wall member of bricks or the like, said bricks being arranged in regular courses and having their joints arranged to coincide with certain of the joints of a front wall structure, said front wall structure comprising a plurality of vitreous building blocks, and a plurality of horizontal and vertical joint members of reinforced concrete, said horizontal joint members comprising slabs of concrete of a thickness substantially equal to the thickness of the joint desired and of a width corresponding substantially to the depth of the vitreous building blocks, each of said horizontal joint members extending between a plurality of blocks, and the joints between said horizontal joint members being intermediate the vitreous blocks, said horizontal joint members also having upwardly extending and downwardly extending joint shoulders located between the vitreous blocks and adapted to engage the vertical joint members comprising concrete slabs of substantially rectangular shape adapted to rest upon the upwardly extending portions of said horizontal joint members and to engage the downwardly extending portions of the horizontal joint members of the next upper course, thus forming a plurality of recesses of a cross section adapted to fit said vitreous building blocks with a clearance, and an initially plastic mastic compound engaging the walls of said recesses, and providing a bed for the vitreous building blocks against the concrete joint members and filling in said clearance, said mastic compound also serving to strengthen the assembly and to hold the complete structure of building blocks and joint members in predetermined shape, whereby the blocks are all supported upon the framework of the joint members without bearing any other weight than their own weight and any block may be replaced by removing the mastic surrounding it, certain of said strut members having rearwardly extending extensions anchored in said first-mentioned supporting wall whereby the forward wall structure is carried and supported by the rear wall structure.

2,346,171
ELECTRICAL PROTECTIVE ALARM SYSTEM
Herbert M. Laford, Bloomfield, N. J., assignor to Electro-Protective Corporation, Newark, N. J., a corporation of New Jersey
Application May 6, 1939, Serial No. 272,084
9 Claims. (Cl. 177—314)



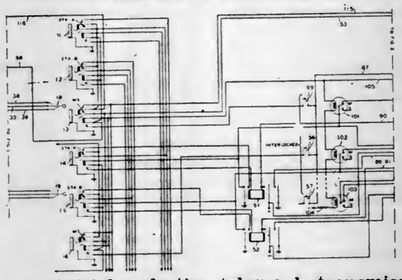
1. In combination with an electric protective-wiring alarm circuit system having an alarm device and means operative in response to the occurrence of a fault in the system for actuating said alarm device, testing means including means operative upon the occurrence of a predetermined alarm condition for testing the condition of the alarm system a predetermined elapsed period after the occurrence of said alarm condition, and restoring means for restoring the alarm system to normal protective condition in the event the fault condition has cleared in said elapsed period.

2,346,172
GUN ELEVATING MECHANISM
Robert J. Lennon, East Moline, Ill., and Samuel G. Green, Gray, Ga.
Application October 27, 1939, Serial No. 301,641
5 Claims. (Cl. 89—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gun elevating mechanism embodying a support block, a bearing sleeve rotatably mounted in the block and having a tapered inner portion, a nut threaded to the lower portion of the sleeve and having a slotted tapered portion engaging the tapered portion of the sleeve, and an elevating screw in the nut.

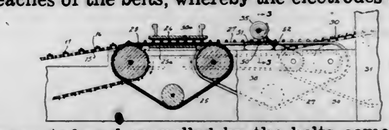
2,346,173
TRANSMISSION SYSTEM
George G. Light, Kew Gardens, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 29, 1942, Serial No. 428,647
17 Claims. (Cl. 178—2)



1. A multiple selective telegraph transmission system comprising a main switching office or exchange, a plurality of branch offices or stations, lines connecting said branch offices or stations to said main switching office, message repeating equipment at said main switching office, selective switching means for connecting said repeating equipment to selected lines over which messages are to be transmitted, operable means at said main switching office for selecting a plurality of lines over which a single message is to be transmitted concurrently from said repeating equipment, means to initiate the operation of said repeating equipment when all of the lines of a selected group become idle and means to restore to normal the said means for selecting a plurality of lines over which a single message is to be transmitted concurrently at the end of the message.

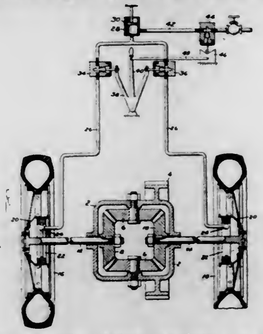
2,346,174
APPARATUS FOR MARKING COATED ARTICLES
Francis J. Malnar, Euclid, Ohio, assignor to The Champion Rivet Company, Cleveland, Ohio, a corporation of Ohio
Application August 27, 1940, Serial No. 354,349
3 Claims. (Cl. 91—16)

1. An apparatus for marking coated welding electrodes while the coating is in a plastic condition comprising a pair of endless belts spaced apart parallel to each other and adapted to support electrodes extending cross-wise of the belts, a stationary support rising higher than the upper reaches of the belts, whereby the electrodes being



supported and propelled by the belts come onto the support across which they roll by momentum, a die carried by said support and a counter-pressure roller acting on the electrode in opposition to the die to cause the die to impress the electrode as the electrode rolls across it.

2,346,175
POWER TRANSMISSION SYSTEM
William U. Matson, Arlington, Va.
Application July 3, 1942, Serial No. 449,590
2 Claims. (Cl. 188—152)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

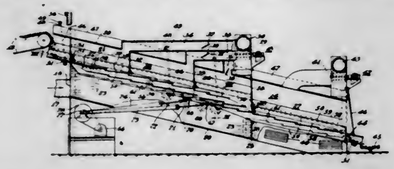


1. In a vehicle drive system, a plurality of wheels some of which are driven wheels, a differential through which power is transmitted to the driven wheels, a brake on each wheel, fluid pressure means for operating the brakes including a master brake cylinder and fluid conduits leading from said cylinder directly to all the brakes, a fluid control valve in each of the conduits leading from said cylinder to the brakes of the differentially mounted drive wheels and a fluid control valve in the conduit leading from said cylinder to the other wheels, a manually operable device for controlling the valves and arranged to close the valve in one conduit to the brake of one differentially mounted wheel and close the valve of the other conduit, accordingly as said device is moved in one direction or the other, and connections between the device and the valve controlling the conduit to the other wheels to close said valve regardless of the direction in which said device is moved.

2,346,176
SEGREGATING HEAT DRIER AND METHOD
William Seiffert McAleer, Pittsburgh, Pa., assignor, by mesne assignments, to The McNally-Pittsburgh Manufacturing Corporation, a corporation of Kansas
Application June 18, 1940, Serial No. 341,108
12 Claims. (Cl. 34—33)

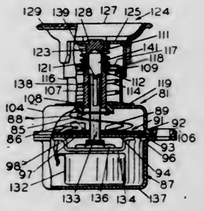
7. In the drying of wet solid mineral materials comprising mixed sizes thereof, the improvement

comprising: feeding the material of mixed sizes onto the uppermost screen of a plurality of inclined perforate screens arranged in superposed relation so that the lower of the screens receives particles dropping through the upper of the superposed screens, and vibrating the screens to progressively and selectively drop out the smaller-sized particles from the agglomeration on the respective screens, thereby to open-up interstices between the larger-sizes of material and so improve their accessibility to a current of drying gas; conveying the residual larger-sized material along the respective screens, and circulating a



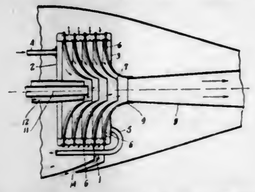
current of hot drying gas upwardly through the superposed inclined screens in series so that the so separated smaller-sized particles in dropping out pass to a lower level in the drying-gas current where the same is at a higher temperature; thus tending preferentially to advance smaller-sized components of the original mixture of sizes and which normally contain the highest proportion of moisture, towards levels of higher temperature and consequently greater moisture-evaporating capacity of the current of drying gas than that through which the so separated larger-sized components pass.

2,346,177
RADIO CONTROL SYSTEM AND MULTIPLE CIRCUIT SWITCH
Eugene F. McDonald, Jr., Chicago, Ill.
Application April 25, 1941, Serial No. 390,406
12 Claims. (Cl. 250—20)



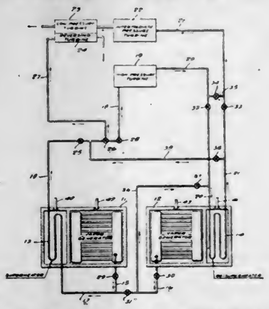
1. An automobile radio receiving system comprising a receiving set having a plurality of presettable means for presetting said set to receive a signal from any one of a plurality of transmitting stations, selecting means for selecting a desired one of said presettable means, muting means for said set, volume control means for said set, and control means for said selecting means, said muting means and said volume control means including a foot control device positioned at the floor board of said automobile, to be actuated by the driver of said automobile, said control means providing independent operation of said volume control means and muting means, an electrical connection from said receiving set to said foot control device for operating said selecting means upon actuation of said device, and a single electrical connection from said receiving set to said device to provide for operation of said volume control and said muting means upon actuation of said device.

2,346,178
COOLING SYSTEM FOR AIRPLANES AND AEROSTATS
Pierre Ernest Mercier, Westport, Conn.
Application October 25, 1941, Serial No. 416,476
8 Claims. (Cl. 257—125)



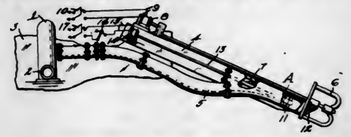
1. In an airplane, aerostat or other craft having means for circulating a cooling fluid, a radiator comprising a plurality of tubes communicating with said means and arranged in a spaced group about a common axis, a plurality of flared members surrounding the axis which are so curved as to conduct air from the periphery of said members towards said common axis and to discharge the same substantially parallel with said axis, and means for accelerating the flow of air between said flared members from the said periphery towards said common axis, said flared members being hollow and having a perforated diaphragm dividing the same into two compartments, one of said compartments being in communication with one of said tubes and the other of said compartments being in communication with another of said tubes to provide for a circulation of fluid from one of said tubes through the two compartments in succession in each flared member and then to another of said tubes.

2,346,179
POWER PLANT
Henry C. E. Meyer, Maplewood, N. J., and Linn M. Rakestraw, Little Neck, N. Y.; said Rakestraw assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application March 29, 1940, Serial No. 326,599
9 Claims. (Cl. 60—73)



1. A vapor generating power plant comprising two vapor generators, a superheater associated with one generator, a re-superheater associated with the other generator, a vapor consumer, means for conducting vapor evolved in both generators to the superheater, means for controlling the degree to which the vapor is superheated in the superheater, means for conducting the superheated vapor to the vapor consumer, means for conducting the vapor exhausted from the consumer to the re-superheater, means for controlling the degree to which the vapor is reheated in the re-superheater, another vapor consumer, means for conducting the reheated vapor to the other vapor consumer, means for cutting out of operation the generator having the superheater, means for conducting the vapor evolved in the other generator to the re-superheater wherein the vapor will be superheated, means for conducting the superheated vapor to the vapor consumer, and means for by-passing the vapor exhausted from the consumer around the re-superheater to the other vapor consumer.

2,346,180
MEANS FOR INCREASING DREDGE OUTPUT
David L. Neuman, United States Army, Columbus, Ohio
Application May 8, 1943, Serial No. 486,153
7 Claims. (Cl. 37—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



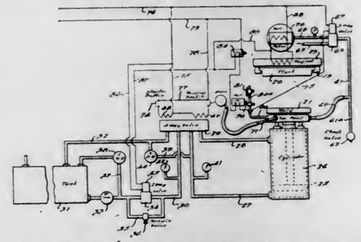
1. In combination with a hydraulic dredge including a suction pipe, a pipe section in communication with and shunted around said suction pipe, a main suction pump connected in communication with said suction pipe and section and adapted to create a suction therein and a propeller type pump operatively positioned within and adapted to create an additional suction in said pipe section, other than that created by said main suction pump.

2,346,181
CAP CLOSURE FOR CONTAINERS
Henry Overend, Liverpool, England
Application February 20, 1941, Serial No. 379,793
1 Claim. (Cl. 221—60)



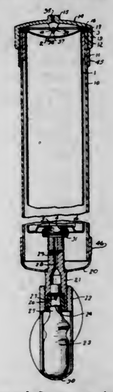
In a container having a neck portion upon which a cap having a side opening is threadedly engaged to permit the contents of the container to be ejected through said side opening when said cap is moved outwardly relative to said neck causing said side opening to be positioned beyond the end of said neck, and means for limiting the outward movement of said cap to a position in which said side opening will be beyond the end of said neck while leaving said cap free to be moved inwardly on said neck to again close the container, said means comprising a headed pin rotatively extended across a recess extending radially outwardly from a point adjacent the threaded portion of said cap, a bolt fixedly mounted on said pin and disposed within said recess, resilient means secured to a side wall of said recess and adapted to engage said bolt to urge it inwardly toward said neck, a keeper formed on said neck, said keeper comprising a radially extending wall adapted to be engaged by said bolt to limit the outward movement of said cap when said bolt and said keeper are in alignment, and cam means disposed on said neck for urging said bolt radially outwardly when said cap is moved inwardly, said pin being countersunk within said cap and said head being adapted to be engaged by a turning tool for turning said pin to free said bolt from said keeper and against the action of said resilient means, whereby said cap may be completely removed from said neck when desired.

2,346,182
APPARATUS FOR EXTRACTING MOLDS
Herbert J. Pattison, Grosse Pointe Park, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 29, 1943, Serial No. 473,983
20 Claims. (Cl. 22—34)



1. An extractor mechanism for extracting a mold from a flask, comprising a vacuum head, means for shifting said head toward and from said mold, and mechanism for controlling the operation of said means to provide a relatively rapid initial range of travel of the head toward the mold and a relatively slow travel of the head while moving in the same direction into sealing engagement with the mold.

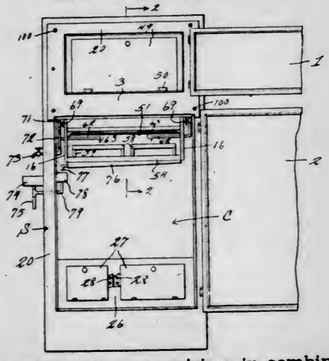
2,346,183
FIRE EXTINGUISHER
Charles L. Paulus and Raymond K. Stout, Dayton, Ohio
Application October 15, 1941, Serial No. 415,070
1 Claim. (Cl. 169—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a fire extinguisher, a tubular casing, a collapsible liquid container within said casing, said container having two ends, one end being readily puncturable and concave on its outer surface, said one end having an annular flange thereabout, the central portion of the other end of said container being pressed inwardly to form an anuular circumferential air pocket therein which will allow the liquid in said container to expand without bulging said concave

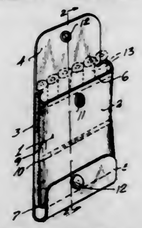
surface, means in said casing to clamp said flange so as to support said container and to provide a substantially gas tight seal between said flange and said container, a nozzle on said container, puncturing means communicating with said nozzle and normally spaced from said readily puncturable end, said puncturing means being adapted to puncture said end when the latter is caused to bulge outwardly, and means to create a gas pressure within said casing sufficient to collapse the sides of said container and cause said readily puncturable end to be punctured to discharge said liquid through said nozzle.

2,346,184
REFRIGERATING APPARATUS
Arthur J. Pedigo, Cookeville, Tenn.
Application May 1, 1941, Serial No. 391,429
In Canada April 15, 1941
10 Claims. (Cl. 62—89)



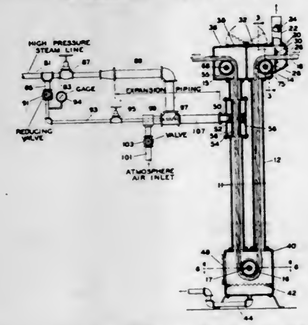
1. A refrigerator comprising, in combination, a case, an ice box within the upper portion of the case, the interior of the case below the ice box constituting a food chamber, a door in a wall of the case to allow access to the ice box, a door in the wall of the case to permit access to the food chamber, and a mechanical refrigerating unit including absorption elements within the case adjacent to the ice box, the doors of the case being associated with the same wall of the case, one of the absorption elements being positioned between said doors and another one of the elements being positioned to the rear of the ice box, both of said elements being connected in series.

2,346,185
CARTRIDGE POUCH
Robert M. Perry, Coeur d'Alene, Idaho
Application May 6, 1942, Serial No. 441,977
2 Claims. (Cl. 224—22)



1. In a cartridge container of the character described, a vertical pouch formed of flexible material and of even width throughout its height, said pouch being open at its top and bottom for its full width and comprising a rear wall, a front wall having side portions extending beyond the width of the pouch, tongues projecting from opposite sides of the rear wall co-extensive with the front wall, said tongues and side portions of the front wall being inturned and sewed together and forming side walls having inwardly projecting seams, stitching extending transversely across the pouch substantially midway the upper and lower ends of the front wall and securing the front wall to the rear wall to divide the pouch into an upper pocket open at its upper end and a lower pocket open at its lower end, said rear wall having portions extending beyond the upper and lower ends of the front wall and constituting closure flaps for the open ends of the pockets, means for releasably holding the flaps closed, and means for mounting said pouch in upright position on a belt.

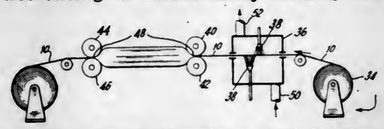
2,346,186
HEAT TREATMENT OF TEXTILES
Christian N. Poesl, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 8, 1942, Serial No. 461,291
5 Claims. (Cl. 68—6)



1. In an apparatus for subjecting textile fabric to the action of a heated fluid, in combination: a plurality of tubes arranged in a generally parallel arrangement; pulleys positioned adjacent the ends of said tubes for passing the textile material therethrough; a heated fluid distributor member positioned in and forming a part of one of said tubes and adapted to distribute a heated fluid uniformly in contact with said textile fabric; a source of high pressure steam; means for expanding said steam to substantially atmospheric pressure; means for reducing the temperature of said expanded steam by admixing therewith air at room temperature; and a conduit in communication with said fluid distributor member for conveying said heated steam-air mixture to said distributor member, whereby it may come into contact with said textile fabric to be heated.

2,346,187
METHOD FOR PRODUCING AND TREATING TUBING
Frank H. Reichel, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application November 22, 1939, Serial No. 305,618
7 Claims. (Cl. 18—57)

1. In a method of producing tubing having a predetermined diameter, the steps comprising forming seamless tubing having a diameter such that upon shrinking, its diameter becomes less than said predetermined diameter of non-fibrous organic plastic material which is incapable of stretching when hard but has the property of shrinking upon drying from the wet state, subjecting said tubing to a liquid treatment, drying the wet tubing to substantially entirely remove

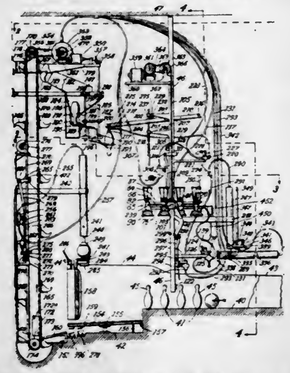


the treating liquid therefrom and harden the tubing whereby said tubing shrinks to a diameter less than said predetermined diameter, thereafter subjecting said dried tubing to a softening treatment sufficient only to enable it to be stretched to said diameter, and stretching said stretchable tubing transversely to said predetermined diameter.

2,346,188
PIGMENT AND METHOD OF PREPARING SAME
Durant W. Robertson, Montelair, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 8, 1940
Serial No. 360,222
4 Claims. (Cl. 106—299)

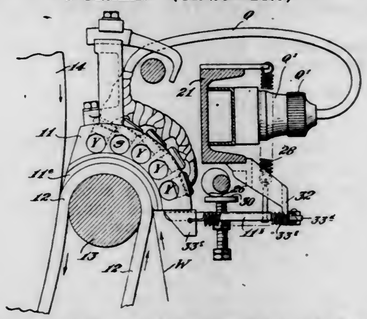
1. A process for producing a pigment having improved properties which comprises mixing an aqueous slurry of said pigment with a soluble silicate and a soluble salt of zirconium, thereby precipitating insoluble zirconium silicate in the presence of the pigment.

2,346,189
PIN SETTING APPARATUS FOR BOWLING ALLEYS
Gottfried J. Schmidt, Pearl River, N. Y., assignor to Bowling Patents Management Corporation, a corporation of New York
Application June 26, 1941, Serial No. 399,815
106 Claims. (Cl. 273—43)



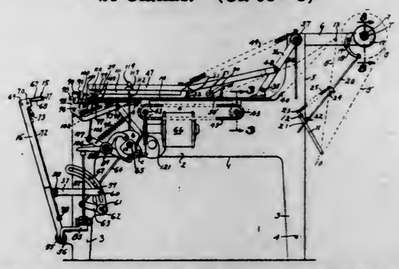
6. In apparatus for setting pins upon a bed, an elevator to be raised and lowered, pin engaging means carried by the elevator, pin supporting means disposed at an elevation above the bed, conveying means receiving the pins passing from the bed and supplying the same to the pin supporting means, carriage means to move between the pin supporting means and the pin engaging means of the elevator and including pin engaging means, and means to cause the carriage means to travel from the pin supporting means to the pin engaging means of the elevator when the elevator is moved to a raised position near the pin supporting means.

2,346,190
CLOTH SHRINKING MACHINE
George A. Schreiner, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application September 19, 1942, Serial No. 458,970
5 Claims. (Cl. 26—18.6)



1. In a cloth shrinking machine of the type including an inlet roll, a heated cylinder, a belt running onto the roll and thence onto the cylinder, and a plurality of curved steel pressure members pressing the running fabric against the belt, each pressure member conforming generally to the curvature of the outer surface of the belt on the roll and terminating in a pointed tip at the place where the belt runs onto the cylinder, the combination in the several pressure members of: the pressure member being hardened and drawn to a temper at least at the said pointed tip thereof, electric heating elements in said pressure member, and a thermal switch controlling the heating elements and limiting the temperature of the pressure member to a temperature less than would remove the said temper.

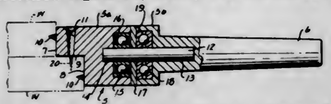
2,346,191
BAG MAKING MACHINE
Charles F. Schultz and Ira E. Schultz, Oakland, Calif.
Application February 17, 1940, Serial No. 319,486
23 Claims. (Cl. 93—8)



22. In a bag making machine, a mandrel adapted to have sheet-like material folded thereabout in tubular form with overlapping edges on top of the mandrel, means operable for intermittently advancing the material a specified distance,

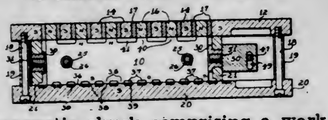
means adapted for cutting the material a slight distance forward of the mandrel after each advance and for folding the projecting portion of the material over the front edge of the mandrel to form an overlap, means adapted for heat-sealing the overlapping portions of the sheet material, and means for operating the advancing means, cutting and folding means, and the heat-sealing means in timed relation.

2,346,192
SPUR CENTER HEAD AND METHOD OF USING THE SAME
Walter L. Schwartz, Dayton, Ohio
Application June 7, 1943, Serial No. 489,946
2 Claims. (Cl. 142—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



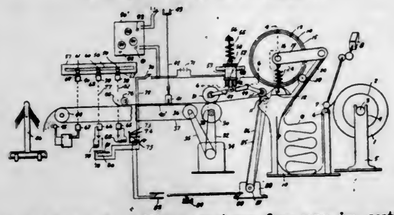
1. The method of preparing a piece of stock divided longitudinally in two equal parts for turning, which comprises moving one of the halves of the stock longitudinally relative to the other and then securing the halves temporarily with both of their ends in stepped relation; securing one of the stepped ends to a center head fitting against the three faces of the stepped end, said center head being adapted to be united with the headstock of a lathe; and securing the other stepped end against a second center head also fitting the three faces of the other stepped end, said second center head being adapted to be united to the tailstock of the lathe and having the part which fits the other stepped end revolvable relative to the tail stock.

2,346,193
PERMANENT MAGNET CHUCK
Frank L. Simmons, Woonsocket, R. I.
Application February 5, 1942, Serial No. 429,675
13 Claims. (Cl. 175—367)
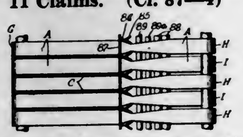


1. A magnetic chuck comprising a work supporting plate having two sets of alternately arranged, spaced pole pieces having lower contact surfaces separated by narrower gaps, a permanent magnet having upper and lower poles terminating each in a set of spaced polar faces, the upper polar faces slidably contacting with the under-surfaces of all of the pole pieces, a bottom plate having magnetically interconnected, spaced contact surfaces separated by wider non-magnetic gaps, a conductor connecting the bottom plate with one set of pole pieces, and means for slidably moving the polar faces in contact with the contact surfaces of the pole pieces and the bottom plate, said contact surfaces and faces being so arranged that each of the upper polar faces of the magnet may contact solely with a single pole piece while each of the lower polar faces is magnetically connected with the other set of pole pieces, or alternatively each of the upper polar faces may contact with two adjacent pole pieces while each lower polar face is isolated from its associated pole piece or alternatively is connected thereto.

2,346,194
SHEET TEARING DEVICE
Robert L. Sjostrom, Lawrence, Mass.
Application March 17, 1941, Serial No. 383,886
16 Claims. (Cl. 271—2.1)



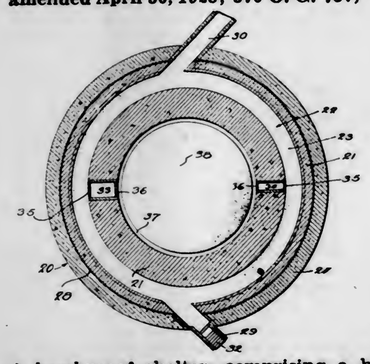
1. A sheet-handling system for use in cutting long sheets of material in desired lengths comprising, in combination, a sheet-feeding means, a conveyor belt table having a fixed plate, fixed over a portion of the conveyor belt over which said sheet material is fed by the feeding means and the conveyor belt, and means for stopping the said feeding means whereby the cutting of said sheets may be accomplished over said fixed plate.

2,346,195
LACE WEB AND PROCESS OF MAKING LACE STRIPS THEREFROM
John Spalding, Stratford, Conn.
Application April 1, 1941, Serial No. 386,246
11 Claims. (Cl. 87—4)



1. The process of making lace strips, which includes forming a plurality of strips side by side but spaced apart and connected together by rover threads extending transversely of the dividing lines between the adjacent strips and interconnecting them, said rover threads being of synthetic nitrogenous material of less tensile strength when heated than those forming said strips.

2,346,196
BOMBPROOF SHELTER
Howard A. Starret, United States Army
Application August 2, 1941, Serial No. 405,157
11 Claims. (Cl. 109—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bombproof shelter, comprising a hollow dome-like structure having a centrally positioned

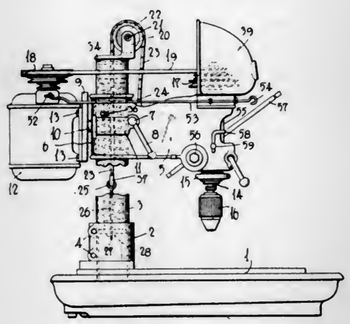
cap merging into a zone having less curvature than the cap, and a flat downwardly inclined surface merging into the zone, said structure having an outer layer of plain concrete and an inner layer of reinforced concrete, said layer of reinforced concrete having adjacent the base of the structure a circumferential passage-way provided with diametrically arranged inclined entrances from the outside of the structure and air chambers connecting the interior of the structure with the passage-way.

2,346,197
SEAL
William Stelzer, Detroit, Mich., assignor to Stoffel Seals Company, Incorporated, New York, N. Y.
Application April 16, 1942, Serial No. 439,189
2 Claims. (Cl. 292—310)



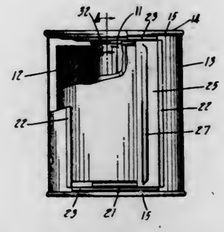
1. In a cord seal, a pre-fabricated cup having a rim tapering slightly towards the bottom, said rim having a ragged edge to facilitate curling, and diametrically opposed slits in said rim to receive cords, said rim being adapted to be curled inwardly and around said cords to seal the latter.

2,346,198
DRILLING MACHINE
Herbert E. Tautz, Englewood, Colo., assignor, by mesne assignments, to Delta Manufacturing Company, Milwaukee, Wis., a partnership consisting of Marshall Field, Charles G. Cushing, and H. Campbell Stuckeman
Application June 10, 1941, Serial No. 397,487
10 Claims. (Cl. 77—28)



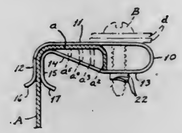
1. In a machine tool, a support comprising a base and a substantially vertical portion carried by said base, mechanism carried by and adjustable along said portion, means for carrying at least a part of the weight of said mechanism, comprising a resilient extensible element connected to said mechanism, said means being housed at least in part in said substantially vertical portion of the support, said vertical portion of the support being movable longitudinally with respect to the said base, and gearing interposed between said vertical portion and said base, for raising or lowering said vertical portion with respect to the base.

2,346,199
SPOOL HOLDER UNIT
William E. Taylor, Riverside, Conn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 8, 1940, Serial No. 339,539
5 Claims. (Cl. 206—52)



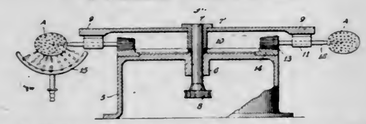
1. A spool assembly unit comprising a tubular housing having a window on one side, end members double seamed to said housing, each member being countersunk inside of its double seamed joint to provide a space between it and the wall of said housing, a sliding gate located inside of said housing and having its opposed ends movably confined within the said spaces between the housing and said end members so that the gate may be drawn across said housing window to close the housing, and a cylindrical spool located inside of said housing having its ends rotatably connected with said housing end members to adapt the unit for easy withdrawal of tape wound on said spool where the free end of the tape passes through said window when said sliding gate is in open position, said sliding gate when in closed position lapping inside of an edge of the housing at one side of said window to hold the free end of the tape between withdrawals from the spool unit.

2,346,200
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 10, 1943, Serial No. 478,608
11 Claims. (Cl. 85—36)



5. A fastening device comprising a strip of spring sheet material doubled on itself to provide a return bend leading to an upper leg and a lower leg, the upper leg being then bent downwardly to provide an outer free leg and the lower leg being bent downwardly to provide an inner free leg, the lower leg being intermediately bent to cause the portion carrying the free leg to incline upwardly toward the upper leg, the upper and lower legs having registering bolt openings and the material about one of the bolt openings being deformed to provide a helical turn whereby such deformed portion may act as a nut for a clamping bolt.

2,346,201
METHOD OF PREPARING ARTIFICIAL SPONGES
Léon Pierre Georges Vautier, Saint Just des Marais, France; vested in the Alien Property Custodian
Application December 30, 1939, Serial No. 311,910
In France February 9, 1939
3 Claims. (Cl. 18—48)

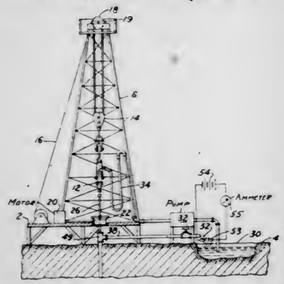


1. A method of producing a porous-surfaced artificial sponge which comprises carding and singeing the crust surfaces of a molded coagulated sponge-forming composition.

2,346,202
PRODUCTION OF ISOCYANIC ACID ESTERS
Ernst Waltmann and Edgar Wolf, Krefeld, Germany, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 10, 1939, Serial No. 289,394. In Germany February 19, 1936
5 Claims. (Cl. 260—404)

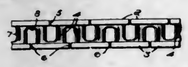
3. A process for producing an isocyanic acid ester which comprises heating an amide having the formula $R.CO.NH_2$ with phosgene to produce a carbamic acid chloride having the formula $R.CO.NH.CO.Cl$, where R is $C_{17}H_{35}$, and removing hydrochloric acid from the said carbamic acid chloride by treatment with calcium oxide to form the corresponding isocyanate.

2,346,203
WELL LOGGING METHOD
Wladimir M. Zaikowsky, Pasadena, Calif., assignor, by mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application December 7, 1940, Serial No. 369,065
13 Claims. (Cl. 73—51)



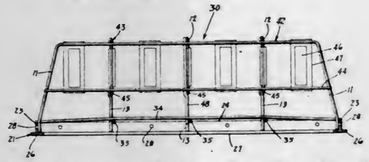
2. The method of bore hole logging which comprises causing different portions of a fluid column to interact substantially simultaneously with corresponding formations at different levels of a bore hole, thereby subjecting said portions to a change in characteristic in accordance with the nature of the corresponding formations, recovering portions of said fluid column from different levels of said bore hole after interaction with the respective formations, while preserving in the individual portions indications of any such interactions, analyzing each of said portions with respect to charges in said characteristic to determine the natures of the formations present at different levels of said bore hole.

2,346,204
SHEET METAL PISTON RING
Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application August 3, 1942, Serial No. 453,428
4 Claims. (Cl. 309—45)



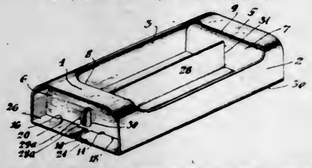
1. A piston ring comprising a strip of resilient sheet metal formed into an annular body, said sheet material folded longitudinally of the strip to provide circumferential land surfaces and connecting web portions, said annular body having openings extending between the said circumferential surfaces and web portions, said opening defining circumferentially spaced-apart segments in the land surfaces, said connecting portions being corrugated to form re-shaped ridges which extend axially of the ring along inner peripheral surfaces of the web portions.

2,346,205
CRATE
Henry V. Bowman, Minneapolis, Minn., assignor to Bowman Products, Incorporated, St. Paul, Minn., a corporation of Minnesota
Original application August 18, 1939, Serial No. 290,835. Divided and this application December 23, 1940, Serial No. 371,315
3 Claims. (Cl. 220—21)



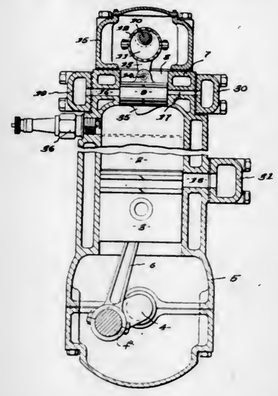
1. A crate comprising a plurality of walls, a bottle separating grid within the crate, said grid comprising an annular rail having an upright flange adapted to be secured to the lower edge portions of the crate walls, and whereby said rail may provide a supporting member for the lower portions of the crate walls, said rail having a plurality of bottle separating elements secured to and supported solely by the rail and, extending upwardly and inwardly therefrom into the crate and in unattached spaced relation to the crate walls and cooperating to provide individual compartments for receiving bottles, said bottle separating elements being supported by said rail independently of the crate walls.

2,346,206
DIVIDED CARTON
Frank W. Broderick, New Brighton, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application November 28, 1941, Serial No. 420,761
6 Claims. (Cl. 229—27)



1. A collapsible carton having an open top except at its ends and comprising a bottom, side walls, and top members connecting said side walls at the ends of the carton, end flaps hingedly secured to said top members for swinging movement in reverse directions, foot extensions attached to said end flaps for frictional engagement with said bottom, and flap retaining tabs extending outwardly from the bottom and foldable to overlie said foot extensions and to lie in engagement with said end flaps.

2,346,207
TWO-CYCLE INTERNAL COMBUSTION ENGINE
Charles S. Brown, Syracuse, N. Y.
Application August 27, 1942, Serial No. 456,374
6 Claims. (Cl. 123—65)



3. In a two cycle internal combustion engine including a cylinder, a piston in the cylinder, a crankshaft, and a connecting rod between the piston and the crankshaft; the combination of the head of the cylinder being formed with a valve passage, intake and auxiliary exhaust ports opening into said passage, and a piston valve arranged to open and close said ports, with both ports being open and closed at the same time, and with said ports arranged so that the intake port is opened before the auxiliary exhaust gas port and closed after the auxiliary exhaust gas port closes, the piston valve having a deflector located to deflect the incoming intake charge into the cylinder in a direction opposite to the path of the auxiliary exhaust gas to the auxiliary exhaust gas port, the cylinder also having main exhaust gas ports arranged to be opened when the piston approaches the end of its power stroke, intake and exhaust manifolds, the auxiliary exhaust gas manifold for the auxiliary exhaust gas port in the head of the cylinder being connected to the main exhaust gas pipe and being provided with a nozzle in the main exhaust gas pipe operating to effect suction through the auxiliary exhaust gas port controlled by the piston valve, and means for operating the piston valve.

2,346,208
TREATMENT OF HIGH TENACITY YARN OF SYNTHETIC ORIGIN
Rollin F. Conaway, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1941, Serial No. 387,549
6 Claims. (Cl. 8—132)

1. The process which comprises dry-heating, predominantly by radiant energy, substantially moisture-free filaments, yarns, threads, and ribbons of artificial thermoplastic material which have been stretched while in the plastic state, to a temperature just below the softening temperature of said material while maintaining said filaments, yarns, threads, and ribbons under a tension of less than one gram, and allowing said filaments, yarns, threads, and ribbons to cool under said tension of less than one gram.

2,346,209
BUTTON AND FASTENING UNIT
William E. De Wald, Chicago, Ill.
Application October 16, 1941, Serial No. 415,168
9 Claims. (Cl. 24—94)

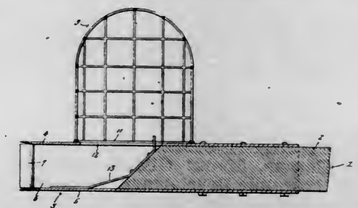


1. In combination, a button having holes, supporting material for said button, an eyelet on the side of the supporting material away from the button, said eyelet having an opening therein, wire staples having legs passing through the button holes, the supporting material and the opening in the eyelet and therebeyond, the portion of the staple legs extending beyond the eyelet being tightly twisted together against the face of the eyelet, for securing the button to the supporting material the free ends of the staple legs in the twisted portion being held closely against the body of the twisted portion to prevent engagement of said ends with other objects.

2,346,210
METHOD FOR IMPROVING ORGANIC DERIVATIVES OF CELLULOSE
Bruce S. Farquhar, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 5, 1941, Serial No. 377,573
1 Claim. (Cl. 18—47.5)

The process which comprises dry pressing cellulose acetate at a pressure within the range of from about 10,000 to about 40,000 pounds per square inch whereby to form tablets, and grinding the tablets to the desired degree of fineness.

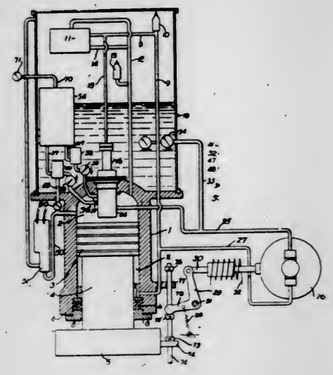
2,346,211
NUT GATHERING DEVICE
Elijah Anson Fleming, Jackson, Miss.
Application March 26, 1943, Serial No. 480,686
1 Claim. (Cl. 56—339)



A nut gathering device comprising an elongated handle, an expansible tube projecting longitudinally from one end of the handle, said tube including resilient, opposed top and bottom fingers and resilient, opposed side fingers, said tube being open at its forward end for the reception of nuts, retaining lips for the nuts mounted on

certain of the fingers, said tube having a discharge opening for the nuts in the top finger thereof, a container mounted on the tube and communicating therewith through the discharge opening, and a guide mounted on the handle for directing the nuts into the container from the tube.

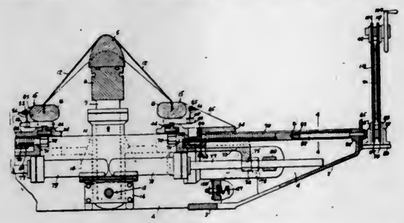
2,346,212
MEANS FOR REDUCING THE DWELL IN HYDRAULIC PRESSES
Paul E. Flowers, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application September 27, 1940, Serial No. 358,704
14 Claims. (Cl. 60—52)



1. A hydraulic press comprising in combination a press ram, a first fluid source adapted to supply pressure fluid to said ram, a second fluid source adapted to supply additional pressure fluid to said ram, means for conveying pressure fluid from said first fluid source to said second fluid source to build up a predetermined pressure in the latter, means responsive to the establishment of said predetermined pressure in said second fluid source for establishing hydraulic connection between said first fluid source and said ram, means operable at the engagement of the work piece to be shaped by said ram or a die connected thereto for conveying fluid pressure from said second fluid source to said ram to speed up the start of the actual pressing stroke, and means responsive to a predetermined discharge of said second fluid source for again interrupting hydraulic connection between said second fluid source and said ram, while said first fluid source remains hydraulically connected with said ram.

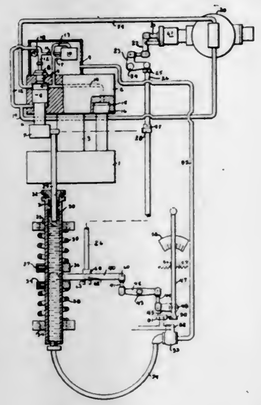
2,346,213
SHEET METAL STRETCHING PRESS
Paul E. Flowers, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application February 20, 1941, Serial No. 379,875
19 Claims. (Cl. 153—48)

1. In a stretching press, a pair of spaced clamping devices for gripping a metal strip to be stretched, a platen positioned between said devices, and means for moving the devices toward and away from the platen as the stretching operation proceeds, and means comprising a pair of actuating members pivotally secured at spaced points to each clamping device, and a single



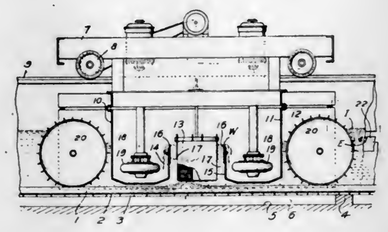
means for driving said actuating members including means for driving them at will in the same or in opposite directions.

2,346,214
PLATEN CONTROL DEVICE
Paul E. Flowers, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application May 7, 1941, Serial No. 392,319
6 Claims. (Cl. 60—52)



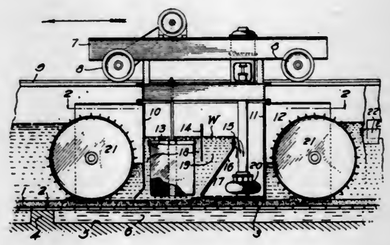
1. In a hydraulic system, a main plunger having associated therewith fluid operable advancing and retracting means for reciprocating said plunger, a fluid source for supplying pressure fluid to said advancing and retracting means for actuating the same, control means for controlling the delivery of fluid from said fluid source to said advancing and retracting means, manually operable means operatively connected with said control means for varying the delivery of said fluid source, follow-up means operatively connected with said control means and said manually operable means for causing said plunger to stop after a predetermined travel thereof corresponding to a predetermined but variable setting of said manually operable means, said follow-up means including a movable cylinder, a piston therein connected to move in unison with said main plunger, and a valve controlling the flow of fluid to and from said cylinder whereby said cylinder will move with said plunger when said valve is in one position and will remain stationary when said valve is in another position, said follow-up means further including a lever system connecting said cylinder and said control means, said lever system being connected to operate said valve.

2,346,215
CLEANER WITH DOUBLE WASH WATER BOX
Charles E. Fraser, Kew Gardens, N. Y.
Application June 25, 1940, Serial No. 342,249
6 Claims. (Cl. 210—128)



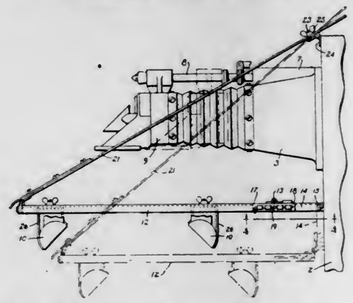
1. In combination, a travelling cleaner for a filter bed including means to seal off a section of the bed from a filtering action, the cleaner having a caisson including a plurality of wash water compartments having closed bottoms and an intermediate bed washing channel open at its bottom, each wash water compartment communicating with the bed washing channel at a predetermined liquid level lower than the liquid level effective upon the underside of the bed to cause liquid to move up through the bed into the washing channel, then flow into each of the wash water compartments wen the liquid level in the wash water compartments is below said predetermined liquid level, means to agitate the filter bed in said sealed off portion to facilitate the upward flow of water therethrough and means to remove the wash water from the wash water compartments.

2,346,216
FILTER CLEANER WITH BED SETTLING CHAMBER
Charles E. Fraser, Kew Gardens, N. Y.
Application June 25, 1940, Serial No. 342,254
6 Claims. (Cl. 210—128)



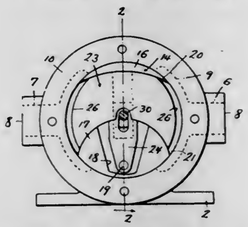
1. A cleaner for filter beds including means for making sealing contact with a filter bed to seal off an area thereof from a filtering action, means to create a zone of agitation in the bed in said area, a wash water compartment to receive dirty water from the zone of agitation, one side of said wash water compartment in said area being inclined away from the zone of agitation and separating the zone of agitation from the wash water compartment, means cooperating with said inclined side wall to form an intermediate settling chamber between the wash water compartment and the zone of agitation, and means to remove dirty water from the wash water compartment.

2,346,217
LIGHT SUPPORT FOR DOCUMENT PHOTOGRAPHING CAMERAS
Victor C. Heybourne, Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Original application July 3, 1940, Serial No. 343,803. Divided and this application January 9, 1943, Serial No. 471,814
4 Claims. (Cl. 240—1.3)



1. In a document photographing camera having a base and a casing projecting upwardly therefrom, a light support comprising a lamp housing, a supporting frame slidably mounting said housing, sections hinged to one end of said frame and said casing respectively for suspending said frame from said casing for movement relative thereto into a plurality of selected positions, and straps connected to the opposite end of said frame and adjustably secured to said casing for cooperating with said sections in supporting said frame in substantially horizontal relation in each selected position.

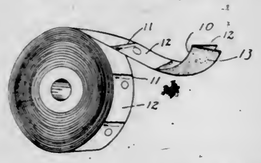
2,346,218
ROTARY PUMP
Olaf Severen Johnson, Gloucester City, N. J.
Application February 3, 1943, Serial No. 474,581
1 Claim. (Cl. 103—160)



In a pump of the class described, a cylindrical casing having a pair of diametrically opposite intake and discharge ports, respectively, therein, a rotor having a working fit in said casing an arcuate guideway extending therethrough from side to side thereof, and a radial recess therein extending from said guideway, an elongated arcuate piston shorter than said guideway mounted therein for rotation by said rotor about the axis of the latter and for oscillation to create a suction in the casing on the intake side thereof and compression on the discharge side, means to oscillate said piston under rotation of said rotor, comprising a radial shank on said piston extending into said recess and pivoted to said rotor eccentrically of the axis of rotation of the latter, a stud extending from said casing parallel with said axis of rotation and eccentrically thereof, and a sliding connection between said

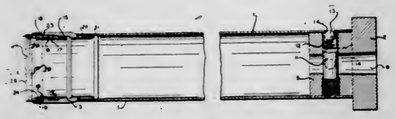
stud and piston, said connection comprising a cross head journaled on said stud, said piston and shank having a guideway therein extending radially of the piston and in which said cross head is slidably mounted.

2,346,219
ADHESIVE TAPE SALES TICKET
Ralph E. Johnson, Indianapolis, Ind.
Application October 31, 1941, Serial No. 417,307
3 Claims. (Cl. 40—2)
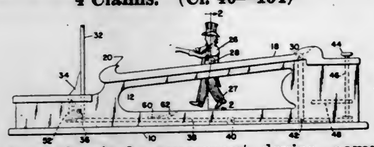


1. Sealing packages and ticket holding means comprising a tape folded along a longitudinally extending line to have an under portion, the underside of which is coated with an adhesive, and to have an upper portion extending from said line in overlapping relation with said under portion, said upper portion having transverse severing lines defining tickets therebetween along said fold line, said fold line being perforated whereby the said ticket portions may be readily removed from the adhesive coated portion when that portion is applied to and secured on a package.

2,346,220
TOOL FOR SAMPLING BALED MATERIAL
Lester C. Kienzle, Syracuse, N. Y., and Herbert J. Wollner, Washington, D. C., assignors to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application September 4, 1941, Serial No. 409,592
2 Claims. (Cl. 73—22)



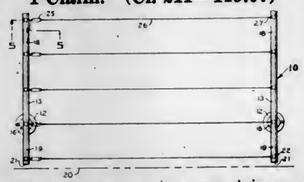
1. A tool for sampling compressed baled material comprising a hollow cylindrical tube forming a receptacle for the material of a sample cut from a bale, an arcuate knife located at one end of the tube substantially in alignment with the cylindrical wall thereof, means for detachably securing the knife to the tube including an outer cylindrical member secured to said end of the tube and forming an extension of the same and having an interior clamping face against which the knife is fitted and an inner annular clamping member arranged within the outer cylindrical member and having a peripheral clamping face fitted against the inner face of the knife and clamping the same within the outer cylindrical member, said knife having an outer end cutting edge terminating adjacent the outer end edge of the outer cylindrical member, the major portion of the outer cylindrical member being of greater diameter than the knife and the tube for expanding adjacent the knife the hole cut in a bale by said knife to permit free cutting action of the knife and to reduce friction on the exterior of the knife and the tube, and means for rotating the cylindrical tube.

2,346,221
MECHANICAL AMUSEMENT DEVICE
Harry J. Kimmel, Seattle, Wash.
Application August 24, 1943, Serial No. 499,787
4 Claims. (Cl. 46—134)



1. A mechanical amusement device, comprising: an object member hingedly mounted and normally positioned in recline, an inclined track directed toward said object, a wheeled figure to roll on and be guided by said track toward said object, means for releasably retaining said wheeled figure at an upper point on said inclined track, and means operable to release said retaining means and to simultaneously erect said object member into the path of the advancing wheeled figure whereby when the figure strikes the object the latter is returned to reclining position and the retaining means are returned to retaining position with respect to the track.

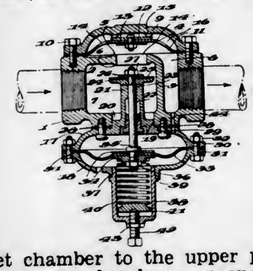
2,346,222
CLOTHESLINE SUPPORT
James C. Knourek, Pasadena, Calif.
Application September 22, 1942, Serial No. 459,239
1 Claim. (Cl. 211—119.07)



A clothes line support comprising a pair of vertically arranged, hollow, spaced, standards, a pair of horizontally arranged, elongated, tubular support members, each support member having a depending stem thereon, each stem extending into an associated hollow standard, said support members projecting further from one side of the stem than from the other side of the stem, a plurality of posts arranged on each support member, said posts being vertically disposed and arranged in pairs, the axes of the posts on each support being coplanar with each other and with the axis of the associated standard, parallel clothes supporting members connecting each pair of posts, one of said standards having a horizontal pin passing therethrough, said pin being arranged adjacent to the bottom of the stem which is in said one standard, the stem in said one standard having pairs of cam faces arranged on the lower end thereof, said pairs of cam faces being arranged at substantially right angles to each other and in line with and engageable by the pin and being adapted to hold the one stem in either of two positions.

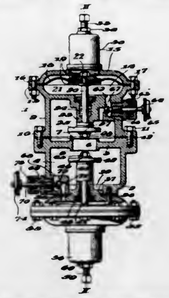
2,346,223
SELF-CLOSING VALVE FOR SINGLE DIRECTIONAL FLUID FLOW
William Lewis Lyon and Milton E. Lake, South Norwalk, Conn.
Application June 9, 1942, Serial No. 446,392
2 Claims. (Cl. 137—153)

1. A shut-off valve comprising a casing, a divisional wall within said casing dividing the latter internally into fluid inlet and outlet chambers, there being an opening in said wall provided for fluid flow between said chambers, a flexible diaphragm mounted for limited movement within a diaphragm chamber formed in said casing above said opening, a valve member carried by said diaphragm adapted to seat by gravity on the upper side of said wall to close said opening against fluid flow, said diaphragm being perforated between said valve member and its outer edge, a second diaphragm chamber formed in said casing below said inlet and outlet chambers, a restricted passage leading from



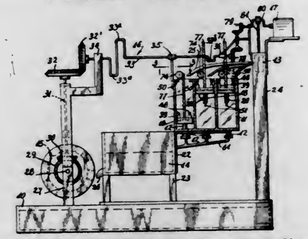
said outlet chamber to the upper part of said second diaphragm chamber, a second diaphragm mounted for limited movement in said second diaphragm chamber, a second valve member carried by said second diaphragm, means acting on said second diaphragm to normally position said second valve member in seating engagement with the under side of said wall to close said opening, a second passage leading from said inlet chamber to the upper part of said second diaphragm chamber, said second passage being of greater diameter throughout its length than said first passage, and a manually operated valve normally closing said second passage.

2,346,224
SELF-CLOSING VALVE FOR DUAL DIRECTIONAL FLUID FLOW
William Lewis Lyon and Milton E. Lake, South Norwalk, Conn.
Application June 9, 1942, Serial No. 446,393
1 Claim. (Cl. 137—153)



Self-closing valve mechanism comprising a casing, a divisional wall within said casing dividing the latter internally into fluid inlet and outlet chambers, there being an opening in said wall providing for fluid flow between the chambers, a flexible diaphragm mounted for limited movement within a diaphragm chamber formed in said casing above said opening, a valve member carried by said diaphragm adapted to seat on the upper side of said wall to close said opening against fluid flow, positively acting mechanical means tending to flex said diaphragm and maintain the valve member carried thereby in a position of opening closure, a second diaphragm chamber formed in said casing below said inlet and outlet chambers, a second diaphragm mounted for limited movement in said second diaphragm chamber, a second valve member carried by said second diaphragm, positively acting means operating on one side of said second diaphragm and tending to flex the latter sufficiently to maintain the second valve member carried thereby in fluid flow arresting engagement with said opening, a restricted passage for conducting fluid under pressure from said inlet chamber to the lower part of said first-named diaphragm chamber, a second restricted passageway for conducting fluid under pressure from said outlet chamber to the upper part of said second diaphragm chamber, a third passageway extending from said outlet chamber to the under side of the first-named diaphragm chamber, a fourth passageway extending from said inlet chamber to the upper side of the lower diaphragm chamber, and manually operated valves for normally arresting fluid flow through the third and fourth passageways, said third and fourth passageways being each greater in diameter throughout the lengths thereof than the first and second passageways.

2,346,225
POWER DISPLAY DEVICE
Jack Marak, New York, N. Y.
Application May 18, 1942, Serial No. 443,343
7 Claims. (Cl. 40—126)

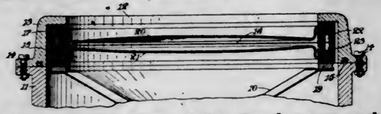


1. In a power display, an elevated display tank having a bottom valve controlled discharge for fluid substance, means supplying fluid to said tank, a plurality of floats in said tank, each float having a top valve and a bottom valve controlled discharge aligned with said bottom discharge in the bottom position of said float, means for opening said top valve for a short period of time when the float is at the top of said display tank so that it takes in fluid and sinks, and means for opening said bottom valve controlled discharge for a short period of time when said float is at the bottom of said display tank so that it loses its fluid and rises to the top of said display tank.

2,346,226
PROTECTIVE COVER FOR APERTURES FOR LOUD-SPEAKING INSTRUMENTS, MICROPHONES, AND OTHER ARTICLES
Dennis Herbert Marlow, London, England, assignor to British Rola Limited, London, England, a British company
Application December 11, 1942, Serial No. 468,694
In Great Britain September 16, 1941
7 Claims. (Cl. 160—380)

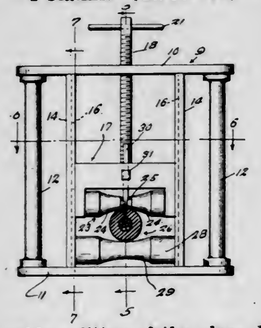
1. For an acoustic instrument having a casing provided with an aperture through which sound is to pass, a water-tight cover for that aperture comprising in combination an impervious flexible diaphragm constituting the cover proper, re-

taining means for securing the diaphragm within the margin of the aperture, said retaining means being yielding and forming a water-tight connec-



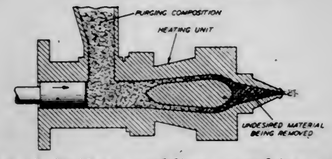
tion between the edge of the diaphragm and the margin of the aperture and a protective grid secured over and spaced from one at least of the faces of the diaphragm.

2,346,227
CABLE INSULATION SPLITTER
Jim R. Martin and Joe T. Martin, La Porte, Tex.
Application May 12, 1943, Serial No. 486,706
4 Claims. (Cl. 30—91)



1. In a cable splitter of the class described, a frame, a pair of parallel grooved guide members, a roller mounted between said guide members, said roller being centrally grooved, a U-shaped slide mounted between said guide members, a second grooved roller mounted between the limbs of said slide and opposed to the first named roller, a feed screw connected with said guide and frame, and a bladed shank relatively fixed cutter tool adjustably mounted on said guide in the manner and for the purposes described.

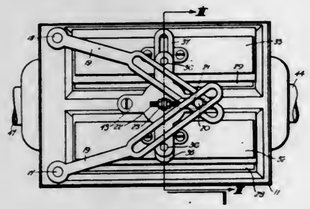
2,346,228
METHOD AND COMPOSITION FOR PURGING PLASTIC FABRICATING MACHINES
Leon K. Merrill, Rocky River, and William R. Wheeler, Lakewood, Ohio, assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application June 25, 1940, Serial No. 342,268
9 Claims. (Cl. 18—48)



1. An injection molding machine purging composition comprising a granular mass containing a vinyl resin, plasticizer between about 5% and about 60% by weight of the composition, and mildly abrasive filler between about 2% and about 60% by weight of the composition, the vinyl resin comprising at least about 20% by weight of the composition.

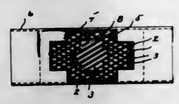
2. An injection molding machine purging composition comprising a granular mass containing a colloidal dispersion of a vinyl resin with a plasticizer, and a mildly abrasive filler, said vinyl resin containing at least 85% combined vinyl chloride and comprising at least about 20% by weight of the composition, the amount of the plasticizer being between about 5% and about 60% by weight of the composition, and the amount of the mildly abrasive filler being between about 2% and about 60% by weight of the composition.

2,346,229
GAS METER
George Arnold Ormerod and Alfred Smith, Liverpool, England, assignors of one-third to J. H. Robinson & Company (Liverpool) Limited, Liverpool, England
Application September 17, 1942, Serial No. 458,674
In Great Britain November 27, 1941
4 Claims. (Cl. 73—268)



1. A gas meter, of the kind specified, having elongated valve ports, measuring chambers communicating with the valve ports, and a partition separating said chambers, the major dimension of each of the ports being more than half as great as the dimension of the partition on a cross-section in the vicinity of the ports.

2,346,230
ETCHING PRINTING ROLLS
John J. Ormond, Boston, Mass., assignor of two-thirds to Joseph D. Ramsey, Boston, Mass.
Application December 28, 1942, Serial No. 470,411
6 Claims. (Cl. 41—43)



1. That improved method of engraving textile printing rolls which comprises applying an acid-resist material, in the form of spaced-apart diagonal lines, on the surface of the roll, then applying a second acid-resist material in the form of diagonally extending lines which cross the lines of the said first resist material, each of said applied resist materials being insoluble in a solvent of the other, coating the roll and crossed lines of the first two applied resist materials with a third resist material, said third resist material being soluble in a solvent which does not dissolve either of the two first applied resist materials, cutting a design through the several resist materials to lay bare a portion of the roll surface, removing portions of the last applied resist coating at selected points on the roll surface, removing portions of the last applied acid-resist coating and portions of lines of one of the resist materials at other points, and then etching the roll.

2,346,231
METHOD OF ENGRAVING TEXTILE PRINTING ROLLS
John J. Ormond, Boston, Mass., assignor of two-thirds to Joseph D. Ramsey, Boston, Mass.
Application December 28, 1942, Serial No. 470,412
7 Claims. (Cl. 41—43)

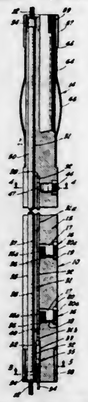


1. That improved process of engraving which comprises applying on a printing member a coating of acid-resist material, scoring the coating at selected points therein, applying a second acid-resist material over the printing member, cutting an outline through the second acid-resist material and the said first coating, removing portions of said second acid-resist material at points within the outline, and then etching.

2,346,232
MEAT PROCESS
Edgar L. Piret, St. Paul, and Edward C. Ritchell, Minneapolis, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application February 14, 1942, Serial No. 430,952
12 Claims. (Cl. 99—208)

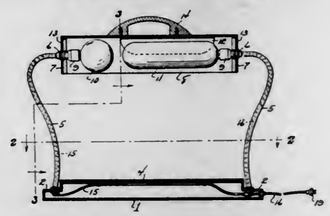
1. A process of rapidly preparing a dried meat product which comprises comminuting meat having a natural water content of 45% to 85% at a temperature below the softening point of the fatty portions of the meat, placing the thus comminuted meat in a relatively thin layer, forcing an air current against the surface of the meat at a sufficiently high velocity to cause turbulence of the air, said air being at a temperature of 0° to 30° C., and having a relative humidity of less than 75% until the moisture content is reduced to 20% to 55%.

2,346,233
GUN PERFORATION IN WELLS
Edward F. Raymond, Wilmington, Calif.
Application April 24, 1942, Serial No. 440,319
14 Claims. (Cl. 164—0.5)



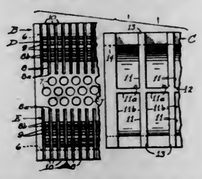
1. A gun perforator for use in wells, comprising an elongated body movable downwardly along a cable lowered in the well in advance of the perforator, a plurality of gun units positioned in the body at right angles with the body axis and spaced at intervals longitudinally thereof, a firing member displaceable in a vertical direction within the body, and means contained in each of said gun units and coacting with said member to cause all of said gun units to be fired by movement of the member in said direction.

2,346,234
MANICURING DEVICE
Lester A. Reynolds, Los Angeles, Calif.
Application September 15, 1942, Serial No. 458,369
3 Claims. (Cl. 34—88)



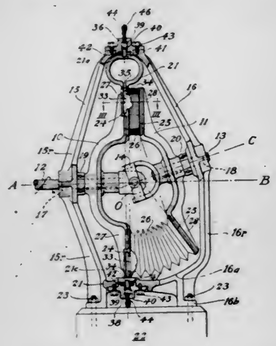
1. A manicuring device comprising an elongated substantially rectangular base member, tubular supporting means secured to and rising from the base member, an elongated inverted cross sectional U-shaped channel like reflector housing secured to the supporting means to overlie the base member along the length thereof, said base member having an upwardly curved top wall providing a hand rest and directed toward one longitudinal edge of the base member in beveled formation, a covering secured to said top wall and providing a pad for receiving the hands, electric illuminating and heating lamp bulbs mounted within the housing for the latter to direct light and heat rays toward the hand rest, conductors for each of the lamp bulbs and extending through the supporting means, and a switch for each of the lamp bulbs.

2,346,235
MULTIDIRECTIONAL ELECTRIC DRY SHAVER
August Romao, San Francisco, Calif.
Application July 21, 1941, Serial No. 403,356
11 Claims. (Cl. 30—43)



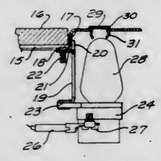
6. In an electric dry shaver, a guard having a plurality of circular hair-receiving openings flanked by two groups of laterally-extending hair-receiving slots, a cutter reciprocably and rockably mounted in the guard and having longitudinal and laterally-extending cutting edges, said cutter being movable through a double helical path for causing its cutting edges to cooperate with the entire rims of the circular openings for cutting hair received in the openings in various directions and for causing the cutter edges to cooperate with the slot edges for cutting longer hair received in the slots, and comb-like means placed between the slots for combing and guiding long hair into the slots for cutting purposes.

2,346,236
ROTARY BLOWER
Samuel P. Rose, Flushing, and Somervell Bruce Somervell, New York, N. Y., assignors of seventy-five one-hundredths to said Rose, ten one-hundredths to said Somervell, ten one-hundredths to Eugene L. Alexander, New York, N. Y., and five one-hundredths to Julius L. Goldenberg, Brooklyn, N. Y.
Application March 28, 1942, Serial No. 436,552
12 Claims. (Cl. 230—168)



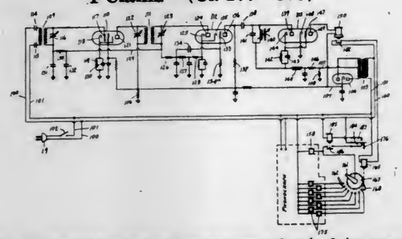
1. The combination with a fluid displacement device comprising, a flat rotor, a part-conic rotor, a frame rotatably supporting said rotors for rotation on oblique axes, bellows opposedly attached to said rotors and a manifold adjustably supported between said frame and one of said rotors adapted to conduct fluid displaced from said bellows of hydraulic means supported from said frame adapted to provide said adjustable support for said manifold with respect to one of said rotors.

2,346,237
ELECTRIC RANGE
Edwin A. Rutenber, Greenville, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application June 7, 1941, Serial No. 396,969
2 Claims. (Cl. 219—37)



1. An electric range comprising a range top having a plurality of large openings therein, a surface burner mounted in each of said openings and removably secured to the range top, an indicator lamp operatively connected to each burner, and a support for each indicator lamp beneath the range top, each support being secured to said range top at a point closely adjacent the opening containing the burner to which it is connected and remote from all of the other openings whereby said lamp is accessible through the adjacent opening, said range top having another opening therein above each indicator lamp.

2,346,238
REMOTE CONTROL APPARATUS
Francis M. Schmidt, North Tonawanda, N. Y., and Gerald G. Smith, deceased, late of Kenmore, N. Y., by Myrtle Shandrew, administratrix, Kenmore, N. Y., assignors to The Rudolph Wurlitzer Company, Cincinnati, Ohio
Original application June 11, 1941, Serial No. 397,554. Divided and this application May 20, 1942, Serial No. 443,828
1 Claim. (Cl. 177—353)

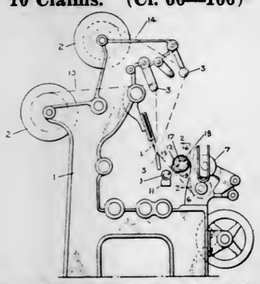


In a remote control receiver adapted to receive signals in the form of a high frequency carrier modulated by lower frequency power impulses, the sub-combination of a parallel tuned circuit tuned to the low frequency of said power impulses, a high frequency choke, connections applying demodulated signal energy across said tuned circuit and said choke in series, a rectifier circuit connected in parallel with said tuned circuit exclusive of said choke, and means utilizing current flow in said rectifier circuit to control operation of said receiver.

2,346,239
PREPARATION OF CHOLIC ACID
Robert H. Sifferd, Hollywood, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 11, 1941, Serial No. 397,643
7 Claims. (Cl. 260—397.1)

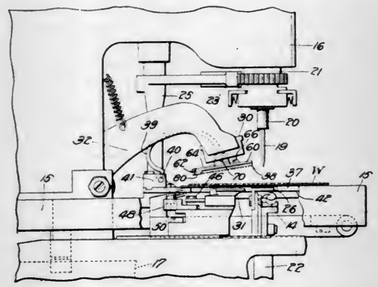
1. The process of recovering cholic acid from other substances associated therewith in the process of isolating cholic acid from bile which includes the steps of obtaining a solution of cholic acid in an organic solvent and adding thereto an organic liquid miscible with said solvent but in which cholic acid is insoluble whereby the cholic acid is precipitated.

2,346,240
STOP MOTION FOR KNITTING MACHINES AND THE LIKE
Allan Clair Thomas, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application March 23, 1943, Serial No. 480,138
10 Claims. (Cl. 66—166)



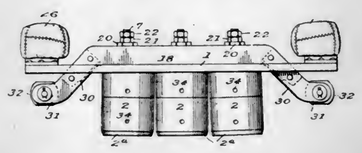
1. A stop or detector motion for a knitting machine and the like for detecting faults in a fabric, comprising a photo-electric cell positioned on one side of said fabric and extending substantially the full width of said fabric, a source of light coextensive with said photo-electric cell and positioned on the opposite side of said fabric so as to direct light on to said fabric, and operative means controlled by said photo-electric cell and adapted to stop the machine or give a warning indication on undue variation of the amount of light entering said photo-electric cell by reason of faulty fabric.

2,346,241
WORK CLAMPING MECHANISM
David B. Thornton, West Newton, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application October 26, 1940, Serial No. 362,985
14 Claims. (Cl. 112—74)



1. In a sewing machine, the combination of a work-supporting surface; and two clamps closable against the supported work and relatively movable laterally away from each other parallel to said surface to stretch the clamped work therebetween, certain laterally aligned lengths of the work-engaging surfaces of the clamps being yieldable away from the clamped work relative to the remaining lengths of said clamp surfaces so that the work portion between said yieldable surface lengths is less stretched than the remainder of the work between the clamps.

2,346,242
APPARATUS FOR CUTTING AND PANNING BISCUITS
Charles Gainer Turner, Atlanta, Ga.
Application August 2, 1940, Serial No. 349,667
2 Claims. (Cl. 107—47)

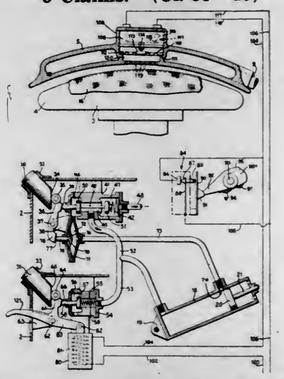


1. In a multiple cutter unit for biscuits, the combination of a supporting plate, a plurality of cutting members carried thereby and provided with cutting edges, the planes of the several cutting edges being so arranged as to simulate arcs in directions longitudinally and transversely of the unit, whereby a rocking motion of the unit in either of said directions may be obtained.

2,346,243
METHOD OF TREATING PIGMENT, AND PRODUCT
Alfred D. Wilson, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application November 18, 1940, Serial No. 366,173
12 Claims. (Cl. 106—306)

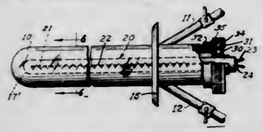
1. Method of treating a pigment of the group consisting of calcium carbonate, magnesium carbonate, mixed calcium carbonate-magnesium carbonate, and mixed calcium carbonate-magnesium hydroxide, which comprises subjecting to a grinding treatment an aqueous suspension of the pigment mixed with a deflocculating agent, the aqueous suspension of pigment being at such concentration that in the absence of the deflocculating agent the suspension would be non-fluid and containing the deflocculating agent in an amount between 0.25% and 5% by weight based on the dry weight of said pigment by which grinding treatment the adhesive requirement of said pigment is materially reduced.

2,346,244
TEXTILE PRESS TIMER
Basil J. Yanchenko, New York, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application April 1, 1940, Serial No. 327,165
5 Claims. (Cl. 38—40)



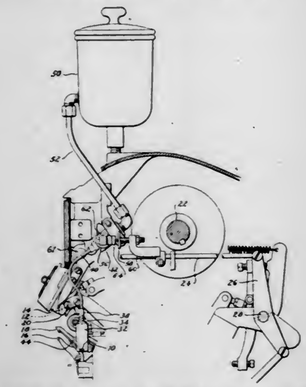
1. A textile pressing machine including a pair of cooperating pressing members mounted for opening and closing movement, one with respect to the other, at least one of said members having means to maintain the temperature thereof above that of boiling water, means for actuating one of said members to bring the same into coaction with the other and for holding said members in their work coacting position, means operable to release the holding means including a compartment in one of said members having an inlet opening in close proximity to engaging surfaces of said members to receive and accumulate steam generated from the work being operated upon between said members, a movable member in said compartment, and a control member for the holding means operated by the movable member, said control member being operated by the movable member into position to maintain the holding means operative, the movable member being located in said compartment in position to be actuated under the pressure of steam in the compartment and to release the holding means under lack of steam pressure in said compartment.

2,346,245
THERAPEUTIC DEVICE
Samuel Zichlin, Brooklyn, N. Y.
Application May 23, 1942, Serial No. 444,232
6 Claims. (Cl. 128—401)



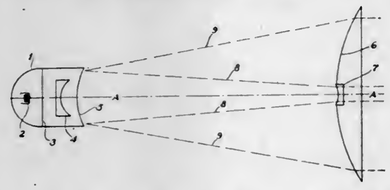
2. A therapeutic device having a hydro-jacket with one end closed and its opposite end open and formed with an inlet and an outlet at the sides thereof adjacent the open end, a cap closing the open end of said jacket, a guide vane mounted longitudinally within said jacket and having one end engaging said cap and its other end spaced from the closed end of said jacket forming a continuous passage for hydraulic fluids from said inlet to said outlet, and means removably supporting said vane within said jacket whereby when said cap is removed said vane may be removed through the open end of said jacket, comprising dove-tailed tracks formed along opposite sides of the jacket, and complementary dove-tailed side portions formed on said vane and slidably engaging said dove-tailed tracks.

2,346,246
SEWING AND CEMENTING MACHINE
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 13, 1941, Serial No. 378,764
12 Claims. (Cl. 112—43)



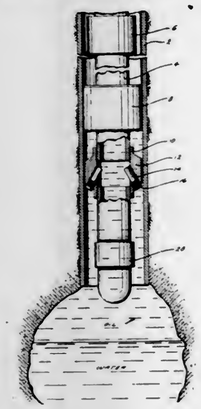
1. A machine for simultaneously sewing and cementing a welt strip carrying a layer of inactive quick drying adhesive containing cellulose to the margin of a shoe outsole, in which a highly volatile activating liquid is employed having, in combination, stitch forming devices, work clamping means, a guide for directing a welt strip towards the point of operation of the stitch forming devices, a supply of activating liquid, activating liquid applying means located sufficiently in advance of the clamping means to provide a time interval within which the adhesive layer may become impregnated to a substantial depth while the welt is traveling from the liquid applying means to the clamping means at the normal sewing speed of the machine, and means to prevent escape of liquid evaporated from the adhesive before reaching the clamping means.

2,346,247
OPTICAL APPARATUS
Emerson D. Bailey, Wilmington, Del., Merlin M. Brubaker, Boothwyn, Pa., and John H. Teeple, Caldwell, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 28, 1941, Serial No. 395,552
12 Claims. (Cl. 88—65)



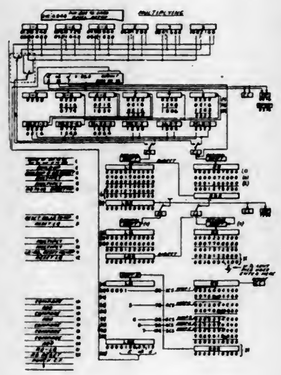
1. In a light polarizing device, a lens-shaped bi-refringent crystal with a plane entrance face normal to the optic axis of said device and an exit face having a surface of revolution concave in the exit direction, the axis of revolution coinciding with said optic axis, said crystal being completely embedded in a lens-shaped isotropic medium having a plane entrance face parallel to the plane entrance face of said crystal and an exit face having a spherical surface concave in the exit direction, the center of said spherical surface being on said optic axis, and said medium having a refractive index falling within the range of the refractive indices of said crystal.

2,346,248
MEANS FOR FLOWING LIQUID FROM WELLS
Walter Brauer, Oklahoma City, Okla.
Application May 29, 1941, Serial No. 395,742
4 Claims. (Cl. 103—232)



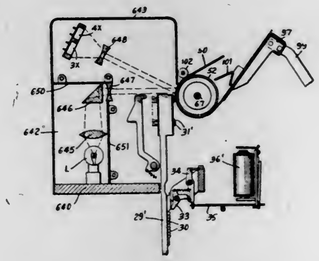
1. In an apparatus for lifting fluids from wells comprising a casing, a string of eduction tubing disposed in the casing, a packer arranged between the tubing and casing in the lowermost portion of the well, choke valves arranged in the tubing below the packer and adapted to choke the flow of the separated oil in quantities commensurate with the discharge of oil from the production strata, and means above the packer for lifting the choked oil, at timed intervals in synergetic relation with the time for discharging oil from the production strata.

2,346,249
COMPOUND DENOMINATE NUMBER CALCULATING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 5, 1938, Serial No. 233,402
20 Claims. (Cl. 235—61.7)



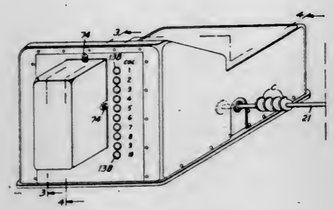
20. A calculating machine in which a given compound denominate number is reduced to a lowest unit amount, an intermediate calculation performed involving the lowest unit amount and a regular number to obtain a calculated lowest unit result, and a reducing dividing calculation then effected to reduce the calculated lowest unit result to compound denominate number form; said machine comprising in combination, entry and result receiving and accumulating means, multiplier receiving means settable with the given compound denominate number, multiplying mechanism including product entry transmitting and routing means to transmit and route product entries to the accumulating means, dividing mechanism including means for determining quotients and remainders and for controlling the setting up of the quotients and a final remainder in the result receiving means, preset source means for a plurality of different reducing constants, said preset source means being alternatively cooperable with the product entry transmitting and routing means to serve as an element of the multiplying mechanism or with the quotient and remainder determining means to serve as an element of the dividing mechanism, control means for initially causing the preset source means to serve as an element of the multiplying mechanism and for initiating reducing multiplying operations of the latter, said product entry transmitting and routing means being controlled, during the reducing multiplying operations, jointly by the preset source means, according to the reducing constants, and by the multiplier receiving means, according to the given compound denominate number, to transmit and route product entries to the accumulating means, whereby the accumulating means by accumulation of the product entries is set with the reduced lowest unit amount, control means automatically effective upon completion of the reducing multiplying operations to cause the intermediate calculation to occur and form the calculated lowest unit result in the entry receiving means to serve as a dividend, means acting automatically upon completion of the intermediate calculation for automatically shifting said preset source means into the dividing mechanism to serve as an element thereof and for initiating reducing dividing calculations of the dividing mechanism, said quotient and remainder determining means being jointly controlled, during the reducing dividing calculation, by the preset source means according to the reducing constants and the dividend receiving means according to the calculated lowest unit result to determine quotients and remainders and means in the dividing mechanism for causing such determination first according to one reducing constant until the obtained remainder is less than this constant and thereafter according to another reducing constant until the final remainder is less than the latter constant, whereby the terms of the compound denominate number, equivalent to the calculated lowest unit result, are derived in succession.

2,346,250
ACCOUNTING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 6, 1939, Serial No. 307,740
8 Claims. (Cl. 235—61.9)



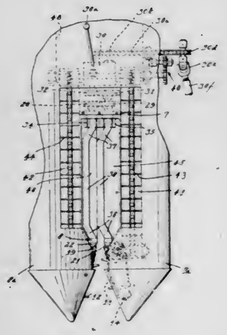
1. In a record controlled machine for printing items on ledger sheets, said sheets bearing feed control indicia marking the progress of printing thereon and code marks representing an old balance amount, the combination with record feeding means, of record sensing means, an accumulator, item printing devices, means for sensing the code marks on said sheets, means under control of said feed control indicia for feeding a reinserted sheet in position to resume item print reception wherein said code marks are aligned with said code sensing means and the first blank printing position is aligned with said printing means, means under control of said code sensing means for entering said old balance amount in said accumulator, means for preparing said code sensing means for operation, other means under control of said sheet feeding means for delaying operation of said code sensing and entering means until the sheet has been fully reinserted, and means under control of said preparing and delaying means for automatically starting operation of said record feeding, record sensing and item printing means after the old balance amount has been entered, and means under control of said record sensing means for operating said amount entering means and said item printing devices to accumulate the amounts and print the record data, starting with said first blank printing position, on the sheet bearing the old balance.

2,346,251
RECORDING DEVICE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 13, 1942, Serial No. 426,550
13 Claims. (Cl. 95—4.5)



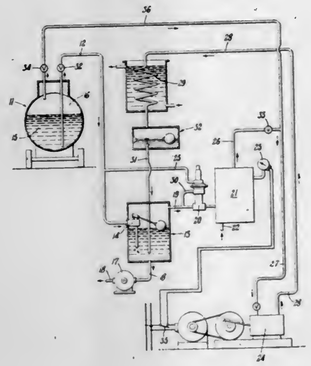
1. In a photographic recorder with a continuously movable character carrying drum, having a plurality of columns of characters, the characters in a column being arranged in sets, the combination of means without the drum for supporting a photographic medium in position for exposure, means for selectively exposing the characters on the drum upon said medium, said exposing means including a plurality of gaseous discharge tubes one for each column of characters, said tubes being fixedly disposed within the drum and means for firing each tube only once at a selected differential time during the transit of a set of characters past the photographic medium, each tube upon being fired trans-illuminating the drum and exposing a single character once to the photographic medium for the purpose described.

2,346,252
CORN PICKER
Harold H. Cook, Steward, Ill.
Application April 21, 1941, Serial No. 389,493
8 Claims. (Cl. 56—103)



1. The combination in a corn harvesting machine of rotatable picker rolls spaced for the reception of standing corn stalks therebetween as the machine is moved along a corn row, said rolls being laterally offset intermediate their ends, and means for rotating said rolls in synchronism to impart a reciprocating motion to the corn stalks disposed between said offset portions to shake the ears of corn therefrom.

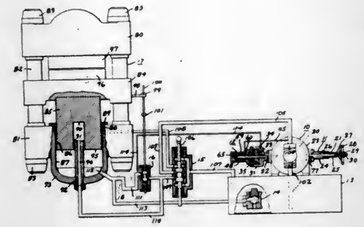
2,346,253
TRANSFER OF VOLATILE LIQUIDS
Maurice P. De Motte, Indianapolis, Ind., assignor to The Linde Air Products Company, a corporation of Ohio
Application December 5, 1941, Serial No. 421,755
15 Claims. (Cl. 62—1)



1. Apparatus for transferring a highly volatile liquid from a first container to a second container, comprising a liquid receiver; a conduit for conducting liquid from such first container to said liquid receiver; a conduit for conducting liquid from said liquid receiver to such second container; an outlet for releasing vapor from said liquid receiver; and means controlling the vapor pressure in said liquid receiver, said means including a differential pressure-responsive device in communication with said liquid receiver and adapted to communicate with such first container for regulating the release of vapor through said outlet to maintain the vapor pressure in said liquid receiver at a lower value than in such first container.

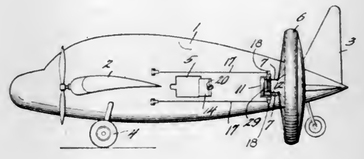
2,346,254
PUMP STROKE VARYING STRUCTURE
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Continuation of application Serial No. 309,435, December 15, 1939. This application December 1, 1941, Serial No. 421,104
10 Claims. (Cl. 121—38)

1. In combination in a control mechanism for controlling the movement of a reciprocable element, yielding means urging said element in one direction, a pair of cylinders, a fluid operable control piston reciprocable in one of said cylinders, a fluid operable auxiliary piston reciprocable in the other one of said cylinders, said auxiliary piston being provided with means adapted to be engaged by said control piston, a reciprocable control member operatively connected to said reciprocable element and passing through bores in both of said pistons, said control member forming with said bores a passageway connected with a chamber for returning leakage thereto, and



means for transmitting fluid pressure acting upon said pistons to said control member against the thrust of said yielding means.

2,346,255
BRAKING DEVICE FOR AIRPLANES
Arthur David Hansson, Shrewsbury, N. J.
Application June 30, 1942, Serial No. 449,128
6 Claims. (Cl. 244—113)



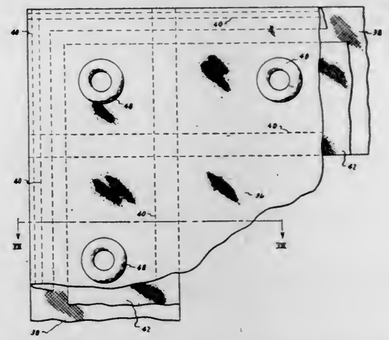
1. In an airplane, two supporting arms pivotally secured to the opposite sides of the fuselage and respectively positioned so that the plane passing through the longitudinal axis of the fuselage coincides with the plane passing through the longitudinal axis of the arm, the said supporting arms also positioned near the rear of the fuselage, air drags carried by said arms and at the outer end of said arms, the air drags normally held within the fuselage, means for releasing said arms and causing said arms to swing outward and release said air drags to thereby provide an air flow resistance on a landing of the airplane.

2,346,256
INSECTICIDAL COMPOSITION
Mortimer T. Harvey, East Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application May 15, 1940, Serial No. 335,332
9 Claims. (Cl. 167—24)

1. An insecticidal solution comprising an insecticidal rotenone product dissolved in a solution of cashew nut shell liquid and cashew kernel oil.

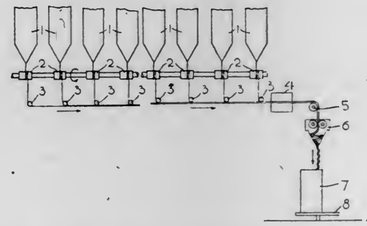
2,346,257
PROJECTION SCREEN
Otto Hehn, Jackson, Mich., assignor, by direct and mesne assignments, to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application February 10, 1941, Serial No. 378,119
4 Claims. (Cl. 88—28.92)

1. A projection screen of the class described of flexible woven glass fabric of twisted glass fiber capable of being tightly stretched on a framework,



the marginal edges of the fabric being reinforced, and comprising cemented plies of flexible material.

2,346,258
METHOD FOR PRODUCTION OF CELLULOSE ACETATE STAPLE
Gilman Stanley Hooper, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 13, 1941, Serial No. 397,990
1 Claim. (Cl. 18—47.5)



The process which comprises forming a tow comprised of a plurality of cellulose acetate filaments of uniform denier within the range of 1.5 to 20 deniers, adjusting the moisture plus solvent content of said tow to within limits determined by the following formula, wherein d is the denier of the filaments:

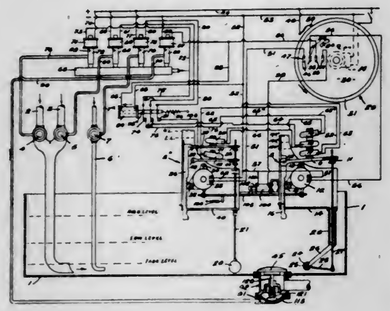
$$\text{Per cent moisture+solvent}=40 \log d-d+2\pm 6$$

the moisture plus solvent content in no case to be less than 8% or more than 40% by weight based on the weight of the dry cellulose acetate filaments, imparting to said tow by mechanical means a uniform crinkle, said crinkle being substantially transverse to the longitudinal axis of the filaments, cutting the crinkled tow into staple of uniform length while maintaining said tow under a tension within the range of from 0.005 to 0.04 gram per denier, and at a moisture plus solvent content within the limits determined by the following formula, wherein d is the denier of the filaments:

$$\text{Per cent moisture+solvent}=40 \log d-d\pm 6$$

the moisture plus solvent content of the tow during cutting in no case to be less than 5% or more than 38% by weight based on the weight of the dry cellulose acetate filaments.

2,346,259
WATER TEMPERATURE CONTROL
Walter B. Hutchings, Huron, S. Dak., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application January 27, 1941, Serial No. 376,028
14 Claims. (Cl. 68—12)



1. The combination of a temperature control for the liquid in a receptacle and a level control for the liquid for controlling the flow of liquid into the receptacle, the temperature control including a presetting member operable to various predetermined positions, a level control for controlling the flow of liquid into the receptacle including a presetting member, heating means operable to heat the liquid in the receptacle and a control therefor operable to render the heating means effective and ineffective, a first control element operated by the temperature control presetting member when in a preset position for operating the control of the heating means to render the heating means effective, and a second control element acting in conjunction with, or in series with, the first control element to render the heating means effective, carried by the level presetting mechanism and operable thereby into operative position by the operation of the level control mechanism when the level is reached, the first control element being movable into inoperative position when the predetermined temperature is reached.

2,346,260
SIGN
Clifford A. Johnson, La Crosse, Wis.
Application September 3, 1941, Serial No. 409,409
3 Claims. (Cl. 40—125)



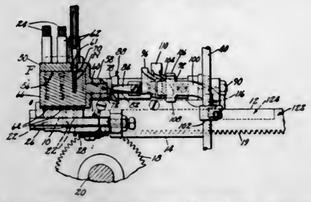
1. A structure of the general character stated, comprising a plate body having an opening therein and a sheet of moldable material disposed against one side face of the plate and having a portion thereof extended as a hollow protuberance through said opening and enlarged upon the other side face of the plate beyond the dimensions of the opening whereby the enlarged extended portion coacts with the portion of the sheet upon the said one side face of the plate to form a locking connection with the edge of the opening to maintain the sheet and plate in joined relation.

2,346,261
TITRATION REACTION VESSEL
Jonas Kamlet, Brooklyn, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application September 28, 1940, Serial No. 358,861
1 Claim. (Cl. 23—292)



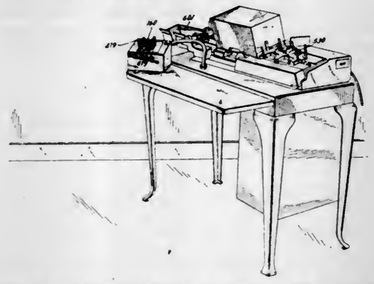
A titration-reaction vessel for the determination of sugars in liquid specimens comprising an elongated tube of transparent material having a closed bottom end and an opening remote therefrom for the introduction of liquids, said tube having calibration marks with identifying numerical data thereon each in position to indicate the meniscus of the liquid in the tube, one mark from the bottom indicating 5 volume units of liquid in the tube, the next mark above indicating 10 volume units of liquid in the tube, the mark next above indicating 14 volume units of liquid in the tube, the mark next above indicating 15 volume units of liquid in the tube, and in addition to said calibration marks a series of titrating marks indicating a constant volume increase in the same volume units above the said 15 volume unit mark, said series of marks of constant volume increase being related to specific numerals applied to the tube, said numerals decreasing upwardly in arithmetic value within the range of the series, each numeral indicating a content-value of sugar in the specimen by measuring the final volume of liquid in the tube resulting from adding a sufficient quantity of a titrating solution to give the known end point.

2,346,262
FASTENING-LOADING MECHANISM
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 4, 1942, Serial No. 441,645
24 Claims. (Cl. 1—32)



1. Fastening-loading mechanism comprising a loading device movable from a fastening-receiving position to a delivering position where the fastenings are to be inserted, said loading device having a set of fastening-holding passages arranged in accordance with a particular fastening-inserting design, means by which fastenings are supplied with their points in one direction, a terminal device for the supplying means having a movable portion provided with a set of fastening-holding depressions with which the fastening-holding passages of the loading device register in receiving position, and means for moving the terminal portion to invert the fastenings for delivery to the loading device.

2,346,263
CARD PUNCHING MACHINE
William L. Lewis, Binghamton, and Elliott W. Gardinor, Conklin, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application August 6, 1941, Serial No. 405,628. Divided and this application February 19, 1943, Serial No. 476,422
7 Claims. (Cl. 164—113)



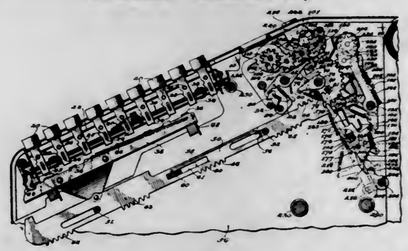
1. In a record making machine, the combination of a carriage carrying a sheet to be recorded upon, a skipping mechanism for said carriage to skip said carriage from an initial column position to a predetermined column position and including means for determining the predetermined column position said carriage is to be stopped, means to initiate the operation of said skipping mechanism, and supplemental means, requiring for its operation the position of said carriage at other than said initial column position, for causing upon the operation of said skipping mechanism by said initiating means the determning means to be ineffective to enable the skipping of said carriage beyond said predetermined column position to a final position of said carriage, whereby said carriage instead of being stopped by the determining means at said predetermined column position automatically skips beyond to said final column position.

2,346,264
FINISH AND MOUNTING FOR ROOM INTERIORS
Allen F. Marshall, Dallas, Tex.
Application September 25, 1941, Serial No. 412,262
1 Claim. (Cl. 20—74)



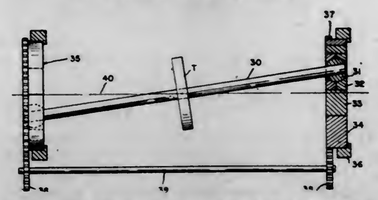
A finish for building interiors and a mounting therefor including a metallic ground affixed to the walls of said building and crimped longitudinally to define abutments and having angular, downwardly directed recesses therein and a finish mounted on said ground having on the rear face thereof means disposed at an angle corresponding to the angle of and retained in said recesses to hold said finish securely flush with said ground.

2,346,265
ZERO PRINTING AND COLUMN SPLIT MECHANISM
Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application December 30, 1940, Serial No. 372,290
6 Claims. (Cl. 101—96)



1. In a printing mechanism for calculating machines and the like having a plurality of differentially movable actuators, one for each denominational order, the combination of a platen, a plurality of arms each carrying type differentially positionable by said actuators and cooperable with said platen, resilient means individual to each of said arms to urge it to swing is type toward said platen, a sear member for each of said arms normally preventing it from swinging toward said platen, an operator for moving said sear members to type arm releasing position, means rendered effective by said actuators respectively to cause engagement of said sear members with said operator, a disengageable operating connection between each sear member and the sear member of the next lower denominational order, said disengageable connection comprising a lug on said sear member, a lever pivoted to said member, said lever having a portion overlying the lug on the sear member of the next lower denominational order when the lever is in normal position and being movable to split position in which said portion does not overlie said lug, and means to hold said lever alternatively in its split or its normal position.

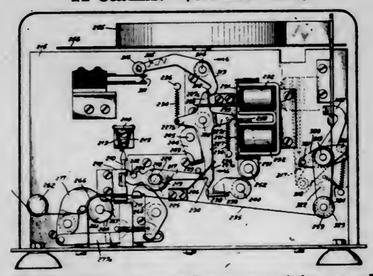
2,346,266
GEAR CROWNING
Max B. Mentley, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application April 21, 1941, Serial No. 389,655
13 Claims. (Cl. 90—1.6)



1. A method of crowning gears which comprises meshing a gear member and gearlike tool mem-

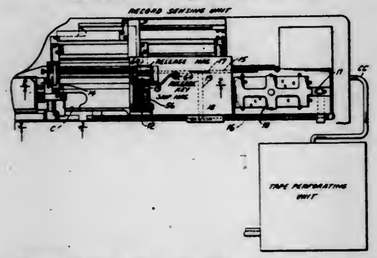
ber, rotating said gear member and tool member with one driving the other, and imparting a relative wabble motion to said gear member and tool member by continuously including part of the axis of one of said members in a conical path.

2,346,267
PERFORATING APPARATUS
Albert W. Mills, Endicott, and Edward J. Rabenda, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 2, 1942, Serial No. 449,444
11 Claims. (Cl. 164—113)



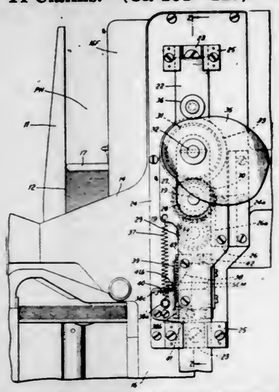
1. Perforating apparatus comprising a plurality of punch elements, a plurality of punch levers, one for each punch element, each lever having one end pivotally connected to a related punch element, rotatable eccentric means constantly engaging the punch levers for actuating the latter, a plurality of positionable latch members, one for each punch lever, individual means for normally latching the said members in positions in close proximity to, but out of the paths of, the other ends of the related punch levers, and means for selectively operating the said latching means and releasing the related members so that the latter engage and latch the said other ends of the related punch levers, thereby causing the latched actuated levers to operate the connected punch elements.

2,346,268
RECORD CONTROLLED PERFORATING APPARATUS
Albert W. Mills, Endicott, and Edward J. Rabenda, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 9, 1942, Serial No. 450,248
18 Claims. (Cl. 164—115)



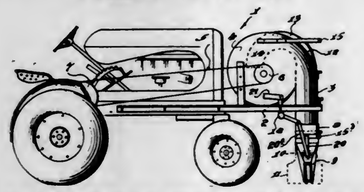
1. Apparatus for perforating a tape in the telegraphic code controlled by statistical records having columns of alphatical and numerical data indiscriminately recorded thereon in statistical code comprising means for feeding individual records, means for sensing the columns of coded data on a record, selectively controlled means for automatically determining whether the sensed data in each column is of the alphabetical or numerical group, a plurality of punch elements, supervisory means controlled by the said determining means for rendering certain code combinations of the punch elements effective for perforating key code designations in the telegraphic tape identifying the sensed data as alphabetical or numerical, a group of translating relay means called into action under control of the said supervisory means for translating the sensed data into telegraphic code, and a group of distributing relay means, one for each code designation to be recorded, selectively controlled by the said translating relay means for selectively rendering code combinations of punch elements effective for perforating character designations in the said tape in accordance with the sensed data.

2,346,269
RECORD CONTROLLED MACHINE
Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 9, 1943, Serial No. 482,395
14 Claims. (Cl. 164—115)

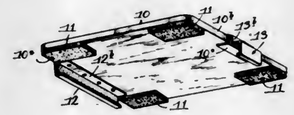


1. In a record controlled perforating or like machine, means to feed a record card linearly along a normal line of feed, means to effect a shifting movement of the card transversely of its normal line of feed to said line of feed, and means controlled by said transverse movement of the card for stopping the operation of the shifting means when one edge of the card coincides with said line of feed.

2,346,270
INSECT COLLECTING MACHINE
Alexander R. Nisbet, Plainview, Tex.
Application April 5, 1943, Serial No. 481,857
4 Claims. (Cl. 43—141)



4. An apparatus for removing and collecting insects from row crop plants, said apparatus being adapted to be mounted upon a moving vehicle and comprising a plurality of parallel downwardly directed pipes all located in substantially the same plane, said pipes including a central blower pipe having a pair of laterally diverging outlets located in the common plane of said downwardly directed pipes, and a pair of receiving pipes located one on each side of the central blower



pipe, each of the receiver pipes having an inlet directed toward the adjacent outlet of said blower pipe, blower means associated with the upper end of the blower pipe, and receptacles connected with the upper ends of the receiver pipes, whereby insects and the like blown from the plants by an air blast from the central blower pipe will be directed into the laterally disposed receiving pipes and forced by the air blast into said receptacles.

2,346,271
AUXILIARY TYPEWRITER BED
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application June 11, 1941, Serial No. 397,627
1 Claim. (Cl. 248—22)

A base for securing a typewriting machine to a shelf-like support comprising a substantially flat-topped member adapted to have a typewriting machine secured thereto, said member having a depending flange along one edge thereof, a depending, adjustable clamp disposed at an opposite edge of said member, said flange and clamp adapted to engage opposite edges of said shelf-like support and means for securing said clamp in adjusted position to firmly hold the member upon said shelf-like support.

2,346,272
PREPARATION OF ESTERS
Benjamin Pecherer, Detroit, Mich.
No Drawing. Application October 6, 1941, Serial No. 413,830
16 Claims. (Cl. 260—468)

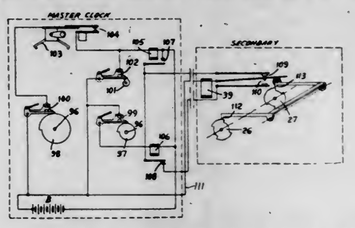
1. A method of preparing esters which comprises reacting a compound corresponding to the formula

$$R—CH_2—NO_2$$

wherein R is an organic radical undergoing no change, with an alcohol in the presence of a strong acid.

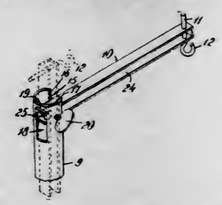
2,346,273
CORRECTIVE TIME CONTROLLED SYSTEM
Frederick Q. Rast, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 18, 1939, Serial No. 305,082
7 Claims. (Cl. 58—26)

1. In a secondary apparatus for use in a corrective time controlled system, a plurality of time indicating elements, an impulse magnet to receive periodic impulses from the corrective time system for normally advancing said indicating elements at a rate to indicate correct time, sensing means for determining the positions of said elements, and means controlled by the sens-



ing means and operated conjointly by a plurality of the indicating elements to control the reception of said impulses by said magnet.

2,346,274
PROJECTION SCREEN STAND
Albert L. Raven, Mount Vernon, N. Y.
Application January 15, 1941, Serial No. 374,505
4 Claims. (Cl. 248—121)

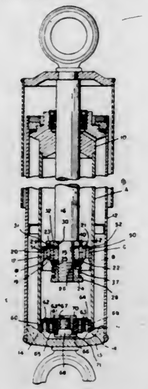


4. A portable projection screen stand comprising a supporting standard, an upright tubular member extending from the upper part of the supporting standard, said tubular member having a recess in one wall thereof extending downwardly from the upper end of said wall, the opposite wall having an aperture therein, the lower part of said recess and the top of said aperture forming vertically spaced shoulders, a screen-supporting arm adapted when partially telescoped within said tubular member to be swung into laterally extended position with respect thereto, moving into the said recess and the lower end of said member being moved into said aperture to be supported by said shoulders, a clamping device for clamping the arm and tubular member together, and combined stop and pivot means to limit the extent of withdrawal of the arm from telescoping position with the upright tubular member and to facilitate the swinging of the arm to laterally extended position.

2,346,275
PISTON STRUCTURE FOR SHOCK ABSORBERS
Charles E. Read, Monroe, and John M. Nickelsen, Ann Arbor, Mich., and Arthur Boor, Toledo, Ohio, assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application December 7, 1942, Serial No. 468,158
9 Claims. (Cl. 188—88)

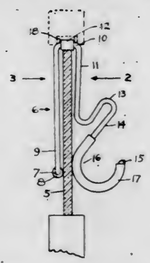
1. A hydraulic shock absorber having a pressure cylinder, a reserve chamber, a base compression valve controlling piston rod displacement of hydraulic medium from the pressure cylinder to the reserve chamber, and a piston assembly within the pressure cylinder having passages through which hydraulic medium may flow upwardly from the lower portion of the pressure cylinder to the

upper portion thereof, and a valve for said passages positively controlling said upward flow of hydraulic medium so that the full volume of the pressure cylinder may be utilized to obtain a predetermined shock absorber action, the valve for said passages being so constructed that resistance offered thereby to said upward flow will be just a



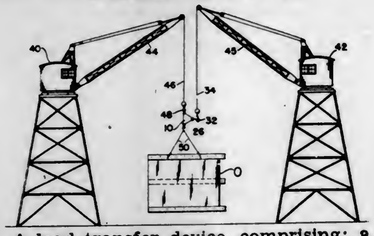
little less than or substantially the same as the resistance offered by the base compression valve aforesaid to piston rod displacement, the valve for said passages having one or more slots therein through which hydraulic medium may be metered from said piston assembly to the upper portion of the pressure cylinder above the piston assembly.

2,346,276
COAT HANGER
Paul W. Reittinger, Phoenix, Ariz.
Application April 12, 1943, Serial No. 482,797
2 Claims. (Cl. 248—215)



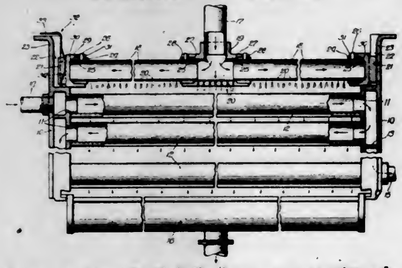
1. A coat hanger adapted to be supported from the upper edge of a windowpane, comprising, a resilient metal member bent into the shape of a narrow inverted U, the lower end of one of the sides having a portion lying in a plane perpendicular to the plane of the U portion and extending a substantial distance beyond both sides of the plane of the U for engaging one surface of a pane to resist rocking movement, the other end terminating in a hook lying in the plane of the U, the distance between the two sides adjacent the base of the U being greater than the thickness of the windowpane, the sides being inclined towards each other in a downward direction, the distance between the adjacent surfaces of the hook and the rock resisting element being less than the thickness of the windowpane, whereby the hanger exerts a compressive action on the window pane at its lower end.

2,346,277
LOAD TRANSFER DEVICE
John J. Sherman, Seattle, Wash.
Application August 24, 1943, Serial No. 499,786
3 Claims. (Cl. 294—1)



1. A load transfer device, comprising: a body member, three clevises pivotally secured to said body member, the pivot pin of each clevis being positioned in said body member to one side at a line between the other two clevises, and means to position one of said clevises in a generally horizontal position when the body member is suspended at another of said clevises.

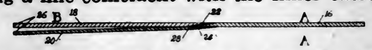
2,346,278
LIQUID DISTRIBUTOR
George E. Stewart and Carl L. Trier, Baltimore, Md., and Harold S. Fielder, La Grange, Ill., assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Application March 29, 1940, Serial No. 326,598
16 Claims. (Cl. 299—58)



1. In a liquid distributor, an apertured distributor pipe, means for supporting said pipe, a ferrule at the end of said pipe, a closure cap fitted over said ferrule to close the end of said pipe, coacting means on said pipe and closure cap to prevent relative rotation between said pipe and said closure cap, and spring means for urging said closure cap against the end of said pipe to close the same.

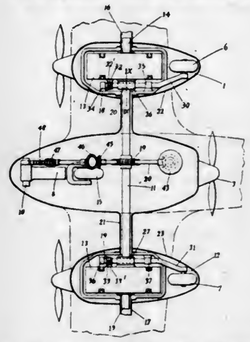
2,346,279
MANUFACTURE OF INSOLES
Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 3, 1941, Serial No. 417,656
2 Claims. (Cl. 36—44)

1. As an article of manufacture, a composite sheet adapted to be cut into a plurality of insoles with attached shank stiffener covering pieces, said sheet comprising a strip from which the body portions of the insoles are to be cut, and a second strip from which said covering pieces are to be cut, said second strip being disposed in superimposed relation to that portion of the first strip from which the shank portions of the insoles are to be cut and having its inner lateral margin beveled to a thin edge and said second strip having said beveled margin only secured by a cement joint to said first strip, and said second strip having a groove in its outer side extending along a line coincident with the inner extremity



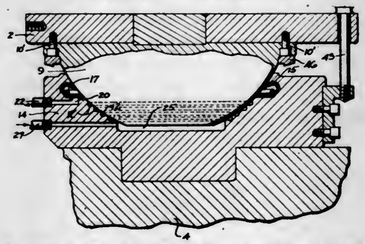
of said joint so that the cover piece of an insole cut from the composite sheet may be bent abruptly away from the other piece along the inner extremity of said joint to facilitate assembly of a shank stiffener with the insole.

2,346,280
AIRCRAFT
René Tampier, London, England
Application April 5, 1939, Serial No. 266,143
In France April 8, 1938
4 Claims. (Cl. 244—102)



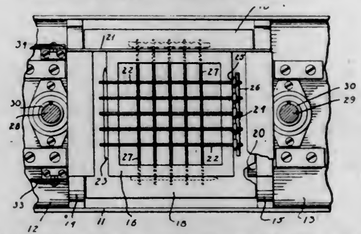
1. In an aircraft, a shaft extending transversely of the fuselage, two side engine frames fixed to said shaft, a propeller mounted on each of said side engine frames, means for rocking said shaft to rock the side engine frames and propellers, a retractible undercarriage comprising two wheels, supports on which said wheels are carried, bearings in which said supports are rotatably mounted, a driving connection operatively disposed between the side engine frames and said supports, whereby, when the said shaft and engine frames are rocked, the supports are rotated and swing the wheels carried thereon in a plane transverse to the axes of the supports into or out of the retracted position.

2,346,281
COMPRESSION PLATEN FOR MATERIALS TESTING MACHINES
Richard L. Templin, New Kensington, Pa.
Application January 23, 1942, Serial No. 428,005
6 Claims. (Cl. 265—14)



3. A compression head for round end testing of a compression specimen in a materials testing machine comprising, in combination, a base having a spherical seat, a compression plate having a spherical part for cooperation with said seat, means for supplying a film of liquid between said part and its seat to provide a floating spherical support for the end of a compression specimen, sealing packing interposed between said part and seat at a point near the base of the part, and a drainage port communicating with said packing, said packing being of annular U-shape with its edges directed toward the bottom end of the spherical seat thereby forming a seal for preventing seepage of the liquid flowing out along the seat.

2,346,282
VEGETABLE STRIP CUTTER
George W. Watts, Indianapolis, Ind.
Application March 6, 1942, Serial No. 433,591
2 Claims. (Cl. 146—78)



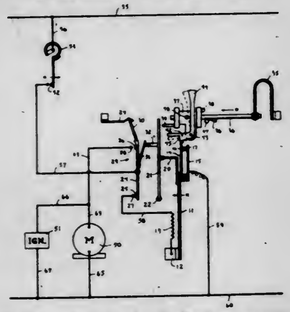
1. Apparatus for cutting vegetables into strips comprising a plurality of spaced apart knives; a second set of spaced apart knives located below and removed from contact with knives of the first set, the knives in one set having their cutting edges directed toward the knives of the other set but in cross relation thereto; knife holding means formed to receive said knives individually; and means for placing the knives under longitudinal tension; said holding means consisting of a box-like member formed by opposing side walls to define an opening therebetween and through the member, said side walls being provided with slots therethrough, through which slots end portions of said knives are passed to have the knives extend across said opening; stop means engaging end portions of said knives outside of said walls; and said tensioning means comprising wedge members entered between said stop means and the outer faces of said walls; said wedge members being staples individually straddling the knives.

2,346,283
SCREW ANCHOR
Ben Weiss, Chicago, Ill.
Application November 25, 1941, Serial No. 420,412
1 Claim. (Cl. 85—32)
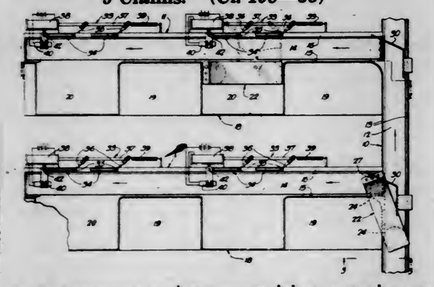


A fastening structure comprising a body having a shallow cylindrical recess in one face thereof and having a bottom wall, a tapered cylindrical externally threaded plug turned into said recess flush with the bottom wall of the recess and with said face, said plug having a threaded axial socket therein extending part way therethrough and terminating in a flat bottom, and a threaded stud turned into the socket against said bottom and being longer than said socket to extend therefrom for receiving a nut thereon.

2,346,284
FUEL BURNER CONTROL APPARATUS
Albert E. Baak, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 18, 1940, Serial No. 314,409
10 Claims. (Cl. 158—28)



1. A fuel burner control device comprising in combination, a control switch for controlling an electrical fuel feeding device, a normally closed safety switch the opening of which prevents automatic operation of the system until manual intervention, a timer, means for energizing said timer, said timer first closing said control switch so as to energize an electrical fuel feeding device when electrically connected thereto, and a predetermined time thereafter opening said safety switch to deenergize said electrical fuel feeding device, and means adapted to respond to combustion for preventing said timer from opening said safety switch and for maintaining said control switch mechanically disconnected from said timer if subjected to combustion conditions before the elapse of said predetermined time, said last mentioned means including a thermal element and mechanical conncetions between said thermal element and said control switch whereby the opening of said control switch upon said last named means being no longer subjected to combustion conditions is controlled directly by said thermal element independently of said timer and takes place without movement of said timer.

2,346,285
CONVEYER SYSTEM
Ezra J. Beaulieu, Downers Grove, and Loren E. Bennett, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1942, Serial No. 438,453
5 Claims. (Cl. 198—38)

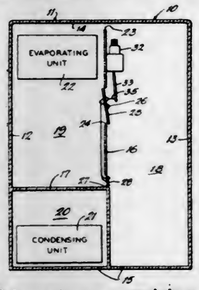


1. A conveyer system comprising a main conveyer, a branch conveyer extending from said main conveyer, an article supporting carrier adapted to be conveyed by said conveyers, said conveyers having side guide rails, and said carrier comprising an elongated platform having circular heel plates at its ends for elevating said platform above said guide rails and for cooperating with the guide rails to facilitate the diversion of the carrier from the main conveyer to the branch conveyer.

2,346,286
WOOD SEASONING PROCESS
Julius Frederick Thomas Berliner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1942, Serial No. 448,434
9 Claims. (Cl. 117—147)

1. In a process for chemically seasoning moisture-containing wood involving application thereto of a urea solution, the method of increasing the quantity of urea retained on the wood which comprises treating the wood with a jellified aqueous solution of urea.

2,346,287
REFRIGERATOR
William F. Borgerd, Riverside, and John Johnsen and Lester H. Hinkel, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application September 21, 1942, Serial No. 459,098
15 Claims. (Cl. 62—89)



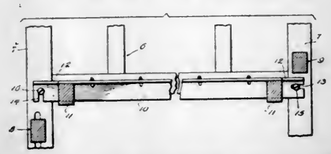
1. In a refrigerator comprising a first chamber adapted to be kept at a low temperature and a second chamber adapted to be kept at a considerably lower temperature than that of the first chamber and positioned adjacent the first chamber to abstract heat to maintain the first chamber at its low temperature, the combination therewith of means operable upon rise of the temperature in the first chamber above a predetermined point for first opening a first passage between the chambers and for thereafter opening a second passage between the chambers below the first passage.

2,346,288
HAT ADJUSTING MEANS
Ruby Lipton Brill and Sarah Lipton, New York, N. Y.
Application October 30, 1943, Serial No. 508,310
2 Claims. (Cl. 132—59)



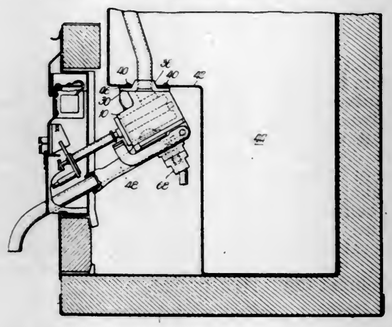
1. A hat adjusting device of the character described comprising a pair of interlocked closed loops of triangular outline interlocked at the apeces of the triangles and having anchor pins secured at each corner of the base of the triangle.

2,346,289
BED
Roman B. Bukolt, deceased, late of Stevens Point, Wis., by Edmund V. Bukolt, executor, Stevens Point, Wis.
Application May 3, 1943, Serial No. 485,485
2 Claims. (Cl. 5—288)



1. In a bed, an end frame, two horizontally spaced projections rigidly carried by said end frame, said projections being disposed at opposite sides of the bed and projecting inwardly from said end frame, and a spring frame having horizontal side bars and a horizontal end bar secured to said side bars, said end bar being disposed near said end frame and having its ends extended laterally beyond said side bars, one of said end bar ends having a horizontally elongated notch opening through its extremity and receiving one of said projections, the other of said end bar ends having a vertical downwardly open notch receiving the other of said projections, whereby said spring frame may be tilted from engagement with said other of said projections and then laterally slid from said one of said projections when said spring frame is to be disconnected from said end frame.

2,346,290
SELECTIVE MIXING ASSEMBLY
John W. Carlson, Chicago, Ill., assignor to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application August 3, 1940, Serial No. 350,191
13 Claims. (Cl. 225—21)



1. A selective beverage mixing assembly comprising a plurality of cylindrical liquid measuring valves having their axes in parallel alignment, an inlet in the upper part and an outlet in the lower part of each liquid measuring valve, a rotatable valve stem mounted in the axis of each measuring valve, a shoe disposed on each valve stem yieldably pressed against the inside wall of its associated liquid measuring valve to open or close the inlet, a gate valve closing the outlet of each liquid measuring valve with a cam on the associated valve stem for opening and closing said gate valve, and means responsive to a rotational movement of the valve stem for adding a quantity of fluid to the contents of its associated liquid measuring valve when the outlet of the latter is opened.

2,346,291
METHOD OF MAKING FOCUSING LENS MOUNTS
Irving Cisski, Schiller Park, Ill., assignor to General Scientific Corporation, Chicago, Ill., a corporation of Illinois
Application October 4, 1940, Serial No. 359,734
5 Claims. (Cl. 29—148.2)



1. The method of making complementally threaded and mutually journalled inner and outer lens mount sleeves, comprising the steps of preparing a cylindrical bearing surface of uniform diameter upon a cylindrical periphery of one of such sleeves, effecting a plurality of screw-thread sets of like pitch upon said surface but spaced apart unequally circumferentially of said surface, disposing said sleeves in telescopic relation with said bearing surface in opposed spaced relation with a periphery of the other of said sleeves to provide an annular space between said bearing surface and the opposed periphery, placing a body of solidifiable liquid within said space, causing solidification of such body to effect thereon a threaded bearing surface mating with that on the one sleeve, relatively rotating said sleeves to separate the same by the action of the threaded bearing surfaces, and axially slitting a portion only of one of said sleeves through the part thereof carrying its threaded bearing surface to enable such surface to readily conform in diameter to the mating bearing surface when the sleeves are reassembled.

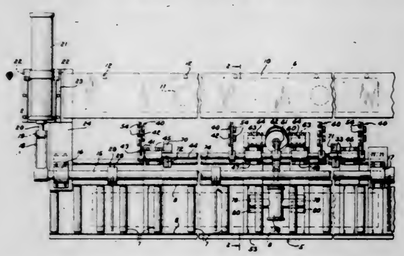
2,346,292
VALVE BAG
Thomas Earl Coty, deceased, late of Watertown, N. Y., by Hazel G. Coty, administratrix, Watertown, N. Y., assignor, by mesne assignments, to Coty Machine Corporation, Watertown, N. Y.
Application October 21, 1940, Serial No. 362,116
3 Claims. (Cl. 229—62.5)

3. A valve bag comprising a multiple ply body severed from a continuous web and having cuts

through its normal severance edge arranged and adapted to define the width of opposed outer end folds and opposed inner end folds, said opposed outer end folds being disposed across the bag opening in overlapping relation to each other and to portions of said inner end folds to form a diamond fold end closure, one of said inner end folds including an integral portion of a single ply thereof which projects beyond the normal severance edge of said inner fold to form a valve flap of less width than the inner end fold from which it projects, but wider than the bag opening, said valve flap being arranged with intermediate portions disposed across the bag opening and with its end portion folded in with portions of said opposed outer folds, and being in effect hinged substantially along the line of said severance edge and more flexible in all its parts beyond said edge than the inner fold from which it projects.



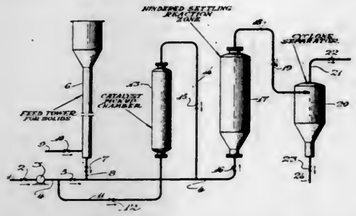
2,346,293
MATERIAL HANDLING APPARATUS
Dalton C. Croy, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 9, 1942, Serial No. 461,485
1 Claim. (Cl. 214—1)



A strip inverting apparatus comprising a plurality of oscillatable arms having relatively long shoulder portions extending therefrom for receiving a strip, means for oscillating said arms to position to receive a strip, a second plurality of oscillatable arms each having a rounded shoulder thereon, and means for oscillating the second plurality of arms from a horizontal to a substantially vertical position to carry a strip into position on the relatively long shoulders on the first mentioned plurality of arms, said shoulders on the second plurality of arms being rounded on an arc such that upon return of the second plurality of arms from said position, the relatively long shoulder portions will hold the strip.

2,346,294
METHOD OF CATALYSIS
Joseph D. Danforth, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 30, 1941, Serial No. 404,603
14 Claims. (Cl. 260—683.4)

1. In a process for effecting chemical reaction wherein a stream of reactants is passed through a reaction zone containing solid particles maintained in a state of motion in the reaction zone, the method which comprises introducing an additional quantity of said particles to the reaction zone by adding the same to the reactant stream being supplied to said zone, simultaneously introducing to the reaction zone an unsupported catalyst for said reaction, and depositing the catalyst on the solid particles within the reaction zone.



2,346,295
CORROSION INHIBITION
Hans C. Duus, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1941, Serial No. 418,699
20 Claims. (Cl. 252—74)

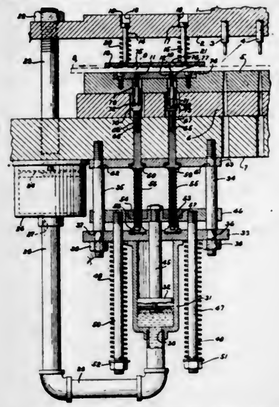
1. A method for inhibiting corrosion of metals in contact with normally liquid aliphatic alcohols which comprises incorporating in the alcohol, based upon the weight of the alcohol, from 0.01 to 5% of a carbonate having the general formula $XRCO_3$, in which X represents an alkali metal and R represents a radical selected from the group consisting of alkyl and hydroxy alkyl radicals.

2,346,296
PREPARATION OF CALCIUM TITANATE
Helmut Espenschied, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 24, 1941, Serial No. 416,374
7 Claims. (Cl. 106—299)

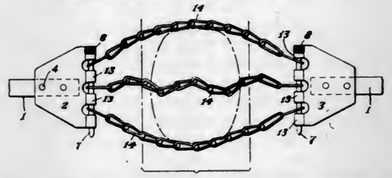
1. Method for preparing improved pigmentary calcium titanate which comprises forming a reaction mixture of a reactive titanium compound, a reactive calcium compound, between about 0.5 percent and about 2.0 percent of silica, between about 0.5 percent and about 3.0 percent of an oxide of antimony and between about 3.0 percent and about 7.0 percent of magnesia, all percentages being based on the weight of the reaction mixture, and heating said reaction mixture at temperatures between about 850° C. and about 975° C. until substantially complete formation of calcium titanate is attained.

2,346,297
PRESSURE ACTUATED TOOL
Rudolph H. Garbe, Forest Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 9, 1942, Serial No. 461,493
11 Claims. (Cl. 10—128)

11. A punch press actuated apparatus comprising a reciprocating ram, means actuated by said ram for punching an aperture in an article, a tapping tool for threading said aperture, and means for imparting a greater movement to said tapping tool than the movement of the ram including a reciprocatory member and means interconnecting the ram and said member to impart a greater movement to said member than the movement of the ram.



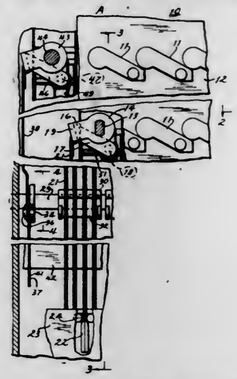
2,346,298
TIRE CHAIN
Ephraim C. Gulesian, Boston, Mass.
Application August 30, 1941, Serial No. 408,923
3 Claims. (Cl. 152—237)



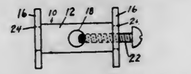
1. A tire chain for attachment to an automobile or the like wheel comprising a plurality of cross chains, a pair of spreaders, each of said spreaders having one edge formed with a plurality of portions having alined apertures and with recesses intermediate said portions to accommodate the end links of said cross chains thereby to maintain said cross chains in spaced relation, a pintle to enter the alined apertures of each of said spreaders and the end links of said cross chains, means carried by each spreader to hold said pintles against axial movement, and means to detachably interconnect said spreaders and attach said chain to the wheel.

2,346,299
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, a corporation of Delaware
Application August 22, 1939, Serial No. 291,375
2 Claims. (Cl. 235—54)

1. In a voting machine having indicator actuable straps provided with ledges that are disposed in the same horizontal plane when said straps are in an unoperated position, a counter, counter setting mechanism, an operative member connected with and adapted to move said counter setting mechanism into and out of counter setting position, said counter setting mechanism normally rendering said counter inoperative, arms on said member embracing and segregating a plurality of said straps, a flange on said member engaged with the ledges of all of the segregated straps, any one of said segregated straps being operable to move said member and said counter mechanism into operative position, and means for operating said counter when rendered operative by said setting mechanism.



2,346,300
DEVICE FOR USE IN SHARPENING SCREW DRIVERS AND THE LIKE
Ernest L. Guy, Pontiac, Mich.
Application May 3, 1943, Serial No. 485,436
5 Claims. (Cl. 51—217)

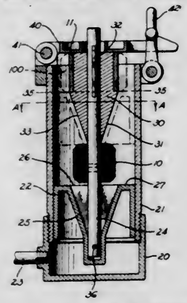


1. In a device of the class described, a generally cylindrical body member having a transverse opening extending therethrough intermediate the ends thereof and having axle portions at the ends thereof, rollers on said axle portions, and a longitudinally extending screw extending through the said body member from one end thereof to the transverse opening for securing a tool in proper position to be sharpened.

2,346,301
APPARATUS FOR EXPANDING DRILL PIPE PROTECTORS
Ford W. Harris, Los Angeles, Calif., assignor to Patco, Inc., Los Angeles, Calif., a corporation of California
Application September 5, 1939, Serial No. 293,399
13 Claims. (Cl. 29—88.2)

1. In a device for expanding a rubber ring, the combination of: a conical expanding member the smaller end of which is adapted to enter the bore of the ring, said member being formed with elongated recesses axially parallel to the axis of said member and extending into the body of the member from the conical surface thereof; a follower having a following surface of greater width than the larger diameter of said member and including, as an integral part thereof, parallel elongated elements adapted to be received by said recesses, said elements having end faces constituting a portion of said following surface which are of a width to engage a ring as it expands from its small to its large diameter; means for mount-

ing said member and follower in axial alignment, with said elements in mating registry with said recesses, and for mounting a rubber ring between and in axial alignment with said member and said follower; and means for forcing said follower



toward said member in axial alignment to a relative position at which said ring is expanded to have an internal diameter at least equal to the larger diameter of the conical surface of said member.

2,346,302

METHOD AND MATERIAL FOR COATING METAL SURFACES

Noble E. Hays and George R. Hoover, Middletown, and Alva E. Taylor, West Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

No Drawing. Application August 2, 1940, Serial No. 350,076
15 Claims. (Cl. 148—6)

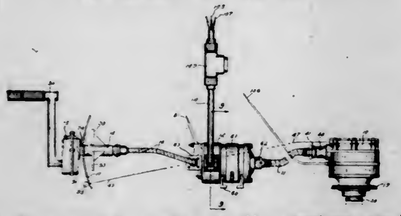
1. A coating bath containing phosphoric acid for producing controlled light weight phosphate coatings on zinc surfaces in which nitrate is present within the range 0.65 to 1.10% and in which the free acid does not exceed 4.0 points and the total acid does not exceed 25.0 points.

2,346,303

ENGINE STARTING SYSTEM

Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application September 24, 1942, Serial No. 459,566
10 Claims. (Cl. 290—38)



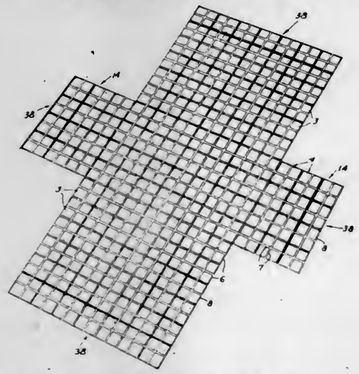
1. In a vehicle engine starting system, an inertia starter unit mounted on an engine to be started, said unit comprising an extensible jaw clutch member for engaging with and turning said engine, jaw extending mechanism, a flywheel, reduction gearing, and overload clutch release means, an electric motor mounted independently of said unit, brush lifting mechanism in said motor, a flexible drive shaft connecting said unit with said motor; a hand crank receiving unit mounted independently of said first named unit and said motor, a flexible drive shaft connecting said motor with said last named unit, said last named flexible drive shaft including an overrunning clutch to prevent driving of said shaft by said motor; manipulable means adjacent said hand crank receiving unit for operating said jaw extending mechanism in said inertia starter unit; and manipulable means in said vehicle for operating said brush lifting mechanism in said motor.

2,346,304

AVIATION LANDING FIELD

Eulalia C. Henderson and George Stallard, San Francisco, Calif.

Application May 20, 1940, Serial No. 336,104
15 Claims. (Cl. 244—114)



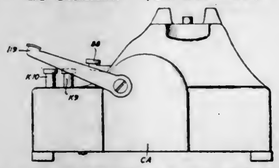
1. In an aviation landing field, an illuminated surface comprising a plurality of solid transparent panels, means to illuminate said panels, each of said panels being movable relatively to the others, connecting means between adjacent panels to guide said relative movement of said panels and to transfer movement after a predetermined movement of one panel to the adjacent panels, yieldable support for said panels, and means on said panels to resist skidding of the aircraft on the transparent surfaces of the panels.

2,346,305

PRESET CALL TRANSMITTER

Clarence N. Hickman, Jackson Heights, and Rudolph F. Mallina, Hastings on Hudson, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 21, 1941, Serial No. 394,463
13 Claims. (Cl. 179—90)



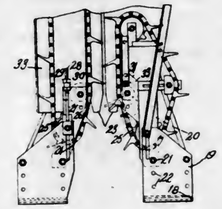
1. In a call transmitter, a set of independently operable numbered key members, independently operable code discs, a plurality of gear sectors operatively connected to said discs, and a mechanism for operatively connecting said key members to said gear sectors successively for moving said independently operable code discs in position for setting a call according to the operation of said key members.

2,346,306

CORN HARVESTER

Benjamin M. Hyman, Moline, Ill., and Rector C. Fergason, La Porte, Ind., assignors to International Harvester Company, a corporation of New Jersey

Original application May 27, 1938, Serial No. 210,464. Divided and this application August 28, 1941, Serial No. 408,646
11 Claims. (Cl. 56—119)



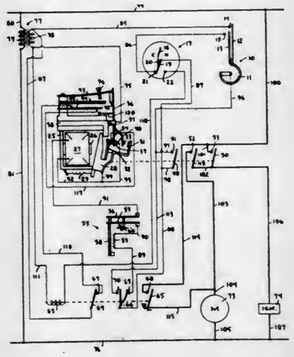
1. In combination, supporting means, a pair of snapping rolls, a divider point, means mounting the divider point on the supporting means adjacent the lower end of the snapping rolls for bodily adjustment in the direction of the length of the snapping rolls, a gatherer chain mounted on the supporting means and having a portion extending generally parallel to and adjacent the snapping rolls and a further portion near one end of the snapping rolls extending away from the same, guiding means engaging the gathering chain between the said portions thereof, and means mounting the guiding means on the supporting means for adjustment longitudinally of the snapping rolls.

2,346,307

CONTROL APPARATUS

Siegfried G. Isserstedt, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 24, 1941, Serial No. 420,234
16 Claims. (Cl. 158—28)



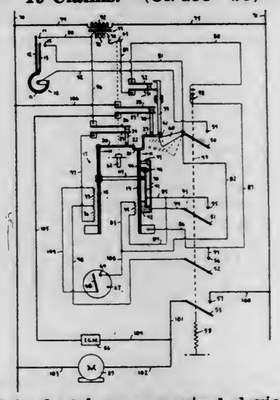
1. A fluid fuel burner control system comprising in combination, means which, when energized, delivers fuel to a fuel burner, main switch means, a starting switch, a combustion responsive device, a cold switch closed thereby in the absence of combustion at the burner and a hot switch closed thereby in the presence of combustion at the burner, a starting circuit including said main switch means, starting switch, and cold switch, said fuel delivery means being energized as a result of the closure of said circuit, means for opening said starting switch following the closure of said circuit, means controlled by said main switch means for maintaining energization of said fuel delivery means independently of said starting switch, said hot switch cooperating with said maintaining means upon establishment of combustion so that either said main switch means or hot switch may open to cause said maintaining means to deenergize said fuel delivery means, timer means preventing the reclosure of said starting switch, and means energizing said timer means upon deenergization of said fuel delivery means for reclosing said starting switch after a predetermined period of time.

2,346,308

COMBUSTION CONTROL DEVICE

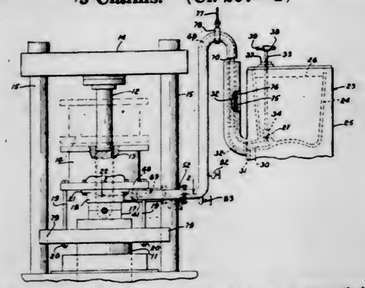
Siegfried G. Isserstedt, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 22, 1941, Serial No. 423,990
19 Claims. (Cl. 158—28)



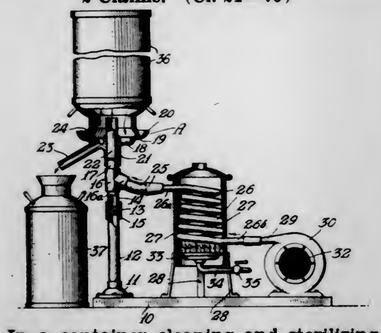
1. A fluid fuel burner control device comprising in combination, timing means including a timer element and a movable control element, said timer element and control element being relatively movable from an original position for placing said control element in a running position or safety position, said running and safety positions being on opposite sides of said original position, means controlled by circuit means adapted to include a device responsive to a condition indicative of the demand for heat and adapted to be associated with a fuel delivery controlling means for simultaneously rendering said fuel delivery controlling means operative and energizing said timing means to cause relative movement between said timer element and control element in a direction to place said control element in its safety position, means operated by said control element and adapted to be so associated with said fuel delivery controlling means that when said control element is in its safety position said last named means is effective to render said fuel delivery means inoperative, and means adapted to be connected to a device responsive to the establishment of combustion for reversing the relative movement between said timer element and control element and causing said control element to move to its running position provided said combustion responsive device is subjected to combustion conditions before it has moved to its safety position.

2,346,309
APPARATUS FOR CHARGING EXTRUSION APPARATUS CYLINDERS
William H. Jennings, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1942, Serial No. 455,218
5 Claims. (Cl. 207—1)



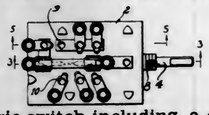
5. In an extruding apparatus comprising a vertically movable extrusion cylinder and die communicating therewith at its lower end, a cooperating stationary plunger entered in and closing the cylinder at its upper end throughout its extrusion and return movements, an auxiliary cylinder movable with and arranged between and communicating with the extrusion cylinder and die, said auxiliary cylinder having an inlet opening in its side, means for supplying and causing material to be extruded to flow through said inlet opening to fill the extrusion cylinder during its return movement, said means including a stationary supply container for material to be extruded disposed above the plane of said inlet opening, a connection from said container to said inlet opening movable with said auxiliary cylinder, and means for closing said inlet opening during the extrusion movement.

2,346,310
HOT AIR CLEANER AND STERILIZER FOR CREAM CONTAINERS
Soren K. Jensen, Wichita, Kans.
Application May 5, 1941, Serial No. 392,017
2 Claims. (Cl. 21—79)



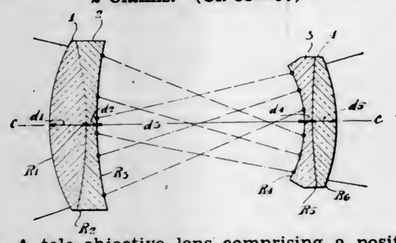
1. In a container cleaning and sterilizing device of the class described; said device comprising in combination a tubular coil and a heating unit therefor and thereunder, said heating coil and unit being positioned within a housing; a tubular hot air discharge element, said tubular hot air discharge element being positioned vertically and the lower end thereof being connected to one end of the said tubular heating coil, a drainage element and a drainage spout thereon, said drainage element being positioned on said tubular hot air discharge element and supported thereby, said drainage element having means thereon for supporting an inverted container that may be positioned over said tubular hot air discharge element, an air blower, the discharge of said air blower being connected with the other end of said tubular heating coil.

2,346,311
ELECTRIC SWITCH
Elmer E. Johnson, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application January 30, 1941, Serial No. 376,636
7 Claims. (Cl. 200—164)



1. An electric switch including, a casing, a carrier carrying contacts mounted on said casing, means movably disposed in said casing supporting bridge means, operating means, means providing a latched connection between said movable means and said operating means, and means associated with said bridge means acting to press said operating means toward said carrier and hold said connection latched.

2,346,312
TELEPHOTO LENS
Fritz Kastilan, New York, N. Y., assignor to Bernard Chadkin, New York, N. Y.
Application October 29, 1941, Serial No. 416,929
2 Claims. (Cl. 88—57)



1. A tele-objective lens comprising a positive component consisting of a first positive lens and a second negative lens cemented together, and a negative component consisting of a third negative lens and a fourth positive lens cemented together, in which the index of refraction for the D line of the spectrum is

$$ND{:}1=1.5725$$
$$ND{:}2=1.6489$$
$$ND{:}3=1.60480$$
$$ND{:}4=1.68950$$

and wherein for a focal length of 300 units

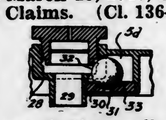
$$R1=+56.0$$
$$R2=-115.0$$
$$R3=+168.1862$$
$$R4=-34.7$$
$$R5=+250.0$$
$$R6=-65.39157$$

and

$$d1=13.0$$
$$d2=4.0$$
$$d3=71.7$$
$$d4=2.5$$
$$d5=8.0$$

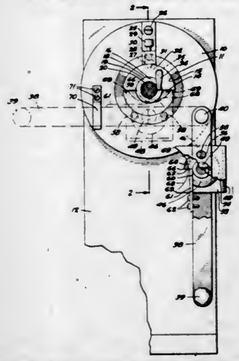
wherein R1 and R2 are the radii of the first positive lens; R2 and R3 the radii of the second negative lens; R4 and R5 the radii of the third negative lens and R5 and R6 the radii of the fourth positive lens; $d1$ is the diameter of the first positive lens; $d2$ the diameter of the second positive lenses; $d3$ the distance between the component lenses; $d4$ the diameter of the third negative lens; $d5$ the diameter of the fourth positive lens.

2,346,313
POSITIVE VALVE ACTUATION IN NON-OVERFILL DEVICES
Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 19, 1940, Serial No. 324,825
6 Claims. (Cl. 136—178)



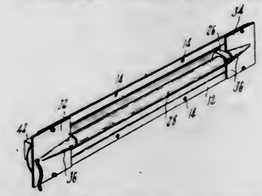
1. In a storage battery cell cover having a top and depending edge portions providing a hollow body, a filler well having a tubular extension terminating downwardly at a desired maximum electrolyte level with respect to the top of said cell cover, and an inverted well formed in said cell cover adjacent said filler well, said inverted well having a bottom which is the top of said cell cover, and depending wall portions one of which is common to said inverted well and said filler well, said filler well and inverted well having a common perforation in said common wall whereby they communicate, a perforated plug member adapted to close the open end of said inverted well and shaped to provide a valve seat adjacent the perforation therein, a valve member located in said inverted well and adapted to close said perforation by gravity, said valve member, when in the gravity-actuated position, having a part extending into said filler well and through said common perforation, whereby said valve member may be actuated to a non-gravitational position by the insertion of a vented filler plug in said filler well.

2,346,314
INSULATION CUTTING APPARATUS
Joseph J. Lembitz and Samuel M. Martin, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1943, Serial No. 480,874
10 Claims. (Cl. 30—95)



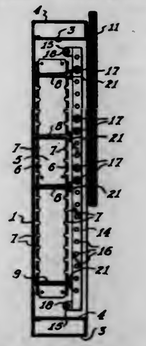
1. An insulation cutting apparatus comprising a frame, a member having an opening therein rotatably carried by the frame, and a cutter pivotally mounted with respect to the member and movable with the member to cut the insulation on a cable inserted in the opening in the member.

2,346,315
FIXTURE FOR FLUORESCENT TUBES
Barnett Levy, Brookline, Mass., assignor to A. L. Smith Iron Co., Chelsea, Mass., a corporation of Massachusetts
Application May 2, 1942, Serial No. 441,437
4 Claims. (Cl. 240—7.35)



1. A lighting fixture comprising a reflector made as an elongated, cylindrically concave member adapted to be sunk into a ceiling with its lateral margins substantially flush with such ceiling, a pair of brackets mounted within said member and protruding at their outer extremities beyond the plane of said margins, said brackets being spaced apart sufficiently to receive a fluorescent tube between their extremities, and such extremities having curved contours in substantial conformity with the contiguous ends of such a tube when the tube is operatively mounted between them, and substantially plane cover plates secured to the margins of the reflector at the respective ends thereof, each cover plate extending from one end of the reflector to the adjacent bracket and having an outwardly offset embossment in its median portion, such embossment being shaped to embrace closely the extremity of the contiguous bracket and being of progressively diminishing width and depth from such end toward the outer margin of the plate.

2,346,316
BATHROOM CABINET
Maurice Lumley, Cincinnati, Ohio, assignor to The F. H. Lawson Company, Cincinnati, Ohio, a corporation of Ohio
Application March 17, 1941, Serial No. 383,738
8 Claims. (Cl. 312—156)



1. A cabinet for bathrooms or analogous uses comprising a frame, means providing shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of

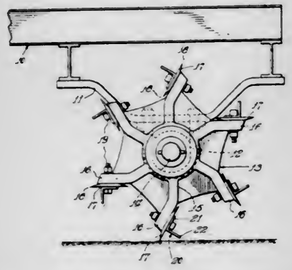
shelves adapted to abut the frame at their inner edges when mounted in the notches, and means for clamping shelves when located in the desired notches, comprising clamping bars, means securing said bars at the top and bottom of the cabinet, said securing means being such that they may be released at one end and the bar pivoted or swung about a securing element at the other end, said bars being so located that when secured top and bottom they will clamp tightly against the exposed edges of shelves located in the shelf mounting elements.

2,346,317

STALK CUTTER

James E. Lyle, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application August 31, 1942, Serial No. 456,763
5 Claims. (Cl. 55—61)



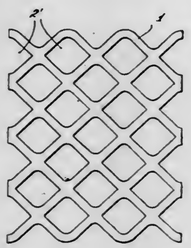
1. In a cutter having a plurality of blades provided with cutting edges for cutting material, means for gauging the depth of the cut to be made by the blades comprising angle bars having first and second angled portions, and means for reversibly securing each of said bars by one of its portions to each of said blades with its second portion at an angle to each of the blades and adapted to be disposed at either of two distances from the cutting edge of each of the blades.

2,346,318

METHOD OF MAKING HOLLOW LEATHER ARTICLES

Guilherme Siegfried Marx, Rio de Janeiro, Brazil

Application March 21, 1942, Serial No. 435,660
In Brazil April 18, 1941
5 Claims. (Cl. 69—21)



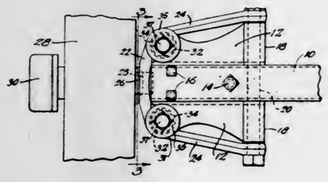
1. The method of making a hollow leather article which comprises molding and stretching a piece of tanned leather provided with elongated cuts distributed over at least a portion of its area, such molding and stretching being performed while the leather is still wet from the tanning treatment and serving to further open said cuts, and allowing the leather to dry on the mold while maintained in its stretched condition.

2,346,319

RESILIENT WHEEL MOUNTING

Melville J. Mitchell, Highland Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application December 26, 1942, Serial No. 470,134
2 Claims. (Cl. 301—133)



1. An individual wheel suspension for vehicles comprising a supporting shaft, a bifurcated member having arms with apertures in the ends thereof, a plate-like member rigidly affixed to said supporting shaft, the said plate-like member having extensions laterally of said supporting shaft, the rearward portions of the extensions of said plate forming tubular bearing members at right angles to said supporting shaft, a pin hinging the bifurcated member to the tubular bearing members of the plate-like member and the supporting shaft, a pair of springs mounted upon the bifurcated member at the forward ends of the arms and beneath the forward portions of the extensions of the plate-like member, an axle rigidly affixed to the bifurcated member at the juncture of the arms thereof, and a wheel mounted on said axle, whereby said wheel moves with said bifurcated member which is resiliently hinged with respect to said supporting shaft.

2,346,320

CLARIFICATION AND PURIFICATION OF INDUSTRIAL LIQUORS

Walter G. Moran, Woodbridge, and Sandford S. Cole, Metuchen, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 24, 1941,
Serial No. 390,132
7 Claims. (Cl. 210—42.5)

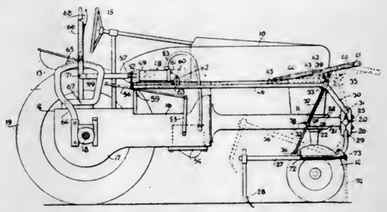
1. Process for the clarification of industrial acid liquors containing suspended matter which comprises forming, in situ, in such liquor an insoluble colloidal metal sulfide by reaction between a salt of a metal soluble in such liquor, the sulfide of which is insoluble therein and at least a sufficient amount of an inorganic sulfide also soluble in such liquor to precipitate the metal of said salt as insoluble colloidal metal sulfide, adding thereto at least about 1 part by weight of a coagulating organic colloid for every 10,000 parts by weight of liquor, and separating the settled residue containing the suspended matter, coagulated colloid and insoluble metal sulfide from the clarified supernatant liquor.

2,346,321

TRACTOR-MOUNTED IMPLEMENT

Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application August 20, 1941, Serial No. 407,558
14 Claims. (Cl. 97—50)



1. In combination, a tool-supporting frame, a working tool connected to the tool-supporting frame for movement with respect thereto, power means for moving the working tool including a power-actuated device, movable parts for connecting the power-actuated device to the working tool, at least one of said parts being an elongated rod and having on one end thereof a plate with an opening therethrough running parallel with the rod, said power-actuated device having a part adapted to extend through the opening for connection to said frame and to be therein retained against lateral movement while at the same time being slidable with respect thereto upon being attached, means for easily fastening the power device elsewhere on the elongated rod to retain the same against sliding movement, whereby said power-actuated device is quickly removable from the movable parts and free for use at other locations on the supporting frame.

2,346,322

CHALK - RESISTANT TITANIUM DIOXIDE PIGMENT AND METHOD FOR PREPARING THE SAME

Walter K. Nelson, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 2, 1941,
Serial No. 391,545
10 Claims. (Cl. 106—300)

1. A chalk resistant titanium dioxide pigment comprising particles of a titanium dioxide pigment intimately associated with a chromium compound resulting from the reaction of a water-soluble chromium salt and an alkaline-reacting precipitating agent, a white water-insoluble metal silicate, and alumina, the amount of said chromium compound being between about 0.03 percent and about 0.07 percent, calculated as chromium, Cr, the amount of the white metal silicate being between about 1.0 percent and about 3.0 percent and the amount of aluminum hydrate, calculated as Al_2O_3, being between about 0.75 percent and about 1.25 percent, based upon the weight of pigment particles.

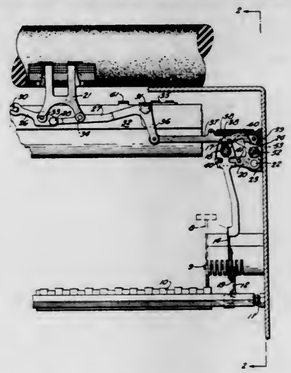
2,346,323

TYPEWRITING MACHINE

Meigs W. Newberry, South Windsor, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application March 30, 1942, Serial No. 436,851
12 Claims. (Cl. 197—157)

3. In a ribbon-vibrating mechanism for typewriters, a ribbon vibrator, an operating lever therefor, an actuator operable by the typing instrumentalities, said operating lever having actuator-engageable points at different distances from the lever axis, and said actuator being shiftable



in a plane to engage selectively one or another of said points and being movable in a direction transverse to said plane to a position out of engagement with said points.

2,346,324

TREATMENT OF FIBROUS INSULATING MATERIALS

Thomas E. O'Donnell, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application August 13, 1941,
Serial No. 406,724
6 Claims. (Cl. 8—17)

3. In a method of preparing cotton for use as electrical insulation, the steps of enclosing a mass of the cotton in a pressure chamber, forcing a water solution of dye heated to a temperature between 155° F. and 165° F. and containing a unit quantity of calcined gypsum equal to approximately .25% of the weight of the cotton mass through the chamber and the cotton mass for a low temperature treating period of predetermined length, adding a second unit quantity of calcined gypsum to the treating solution and simultaneously adding heat to the solution to raise its temperature to 195° F.–205° F., adding a third unit quantity of calcined gypsum to the solution at the time the solution attains the higher temperature, maintaining the solution at the higher temperature range and forcing the solution through the chamber and cotton for a high temperature treating period of substantially twice the length of the low temperature treating period, adding a fourth unit quantity of calcined gypsum to the solution at about the mid-point of said high temperature treating period, and finally forcing an aqueous solution of carbonic acid through the chamber and cotton mass.

2,346,325

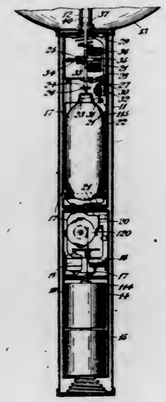
LIGHT BUOY

George Francis Norris Oliver, London, England, assignor to Oliver Pell Control Limited, London, England

Application August 26, 1941, Serial No. 408,391
In Great Britain July 6, 1940
3 Claims. (Cl. 177—324)

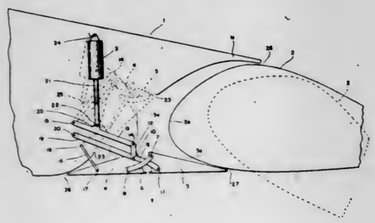
1. In a float-signal the combination with a buoyant float of an electric light signal, a device for emitting a smoke signal, a valve for con-

trolling the said emission, electro-magnetic means for opening and closing said valve, a source of electrical power for supplying said electro-magnetic means, a switch for interrupting said supply, an electric motor operated by the source of electric power geared to said switch so as periodically to open and close the same, a vessel having a puncturable seal and containing gas



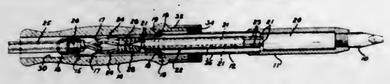
under pressure, means to puncture the seal comprising electro-magnetically operated releasing means, an electrical circuit including said electro-magnetically operated releasing means, and an automatic gravity operated switch so set as to close the circuit when the float assumes an upright position in water, and means for supplying the released gas to assist the smoke emission.

2,346,326
WING SLOT ARRANGEMENT
Garland P. Peed, Jr., Pacific Palisades, and Thorvald K. Petersen, Santa Monica, Calif., assignors to Douglas Aircraft Company, Inc., a corporation of Delaware
Application September 25, 1940, Serial No. 358,218
12 Claims. (Cl. 244—42)



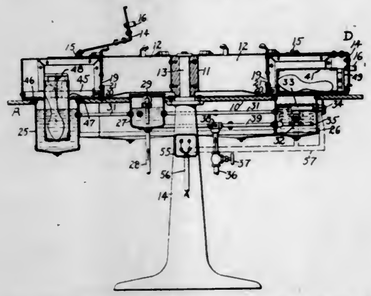
1. In aircraft construction, a main airfoil, a trailing edge flap associated with said airfoil in slot forming relationship, the trailing portion of said airfoil forming a wall of said slot, an opening in said wall, a closure comprising a plurality of articulated sections supported from said airfoil, and actuating means for bodily moving and compacting said closure from its extended slot-closing position underlying the leading edge of said flap through said wall opening to a retracted position within the main airfoil.

2,346,327
ELECTRICALLY HEATED SOLDERING IRON
Conrad L. Pfeiffer, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1942, Serial No. 430,369
5 Claims. (Cl. 173—322)



2. In an electrically operated device, a tubular shank, a tubular handle removably attached to an end portion of said shank, a multi-conductor electrical conducting cord extending into said handle, and a wire clip contained within the handle for anchoring the conducting cord to the said end portion of the shank, said wire clip comprising a resilient V-shaped member with a loop formed at its apex for receiving and engaging the cord and a loop formed in each leg for receiving the separate conductors of the cord, the legs of the clip having bent portions on the ends thereof for engaging portions of the shank to hold the clip in the handle.

2,346,328
APPARATUS FOR TEMPERING SOLES
William E. Phinney, Cambridge, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 22, 1941, Serial No. 411,827
16 Claims. (Cl. 12—1)

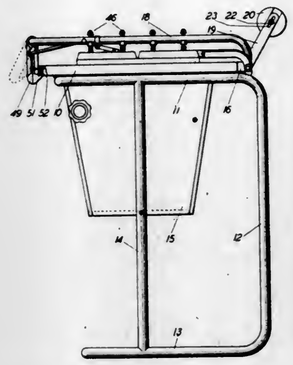


1. An apparatus for treating unattached leather soles comprising individual sources of water-vapor at different temperatures, means for supporting the soles to be treated, said supporting means being movable to carry the soles into co-operative relation with said sources of vapor successively, and means arranged to enclose an atmosphere of vapor and a group of soles enveloped therein continuously throughout their period of treatment by the vapor derived from said sources, said enclosing means being formed in part by a structure movable with the soles and in part by a stationary structure bridging the gaps between said sources of vapor.

2,346,329
PHOTOGRAPHIC PRINTING DEVICE
John K. Polhemus, Binghamton, and Bror W. Henrikson, Port Dickinson, N. Y., assignors to General Aniline & Film Corporation, Binghamton, N. Y., a corporation of Delaware
Application August 2, 1940, Serial No. 349,577
6 Claims. (Cl. 95—73)

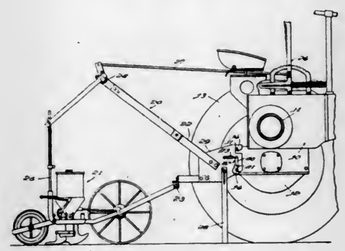
1. A printing apparatus having a lamp house, a supporting platen on said lamp house provided

with a transparent portion for the exposure of the print, and a pressure back for holding the material to be printed against said platen, said back including a carrying arm pivotally mounted with respect to said platen, a first platen-engaging plate pivoted to said arm, cooperating angular surface means on the end of said plate and arm



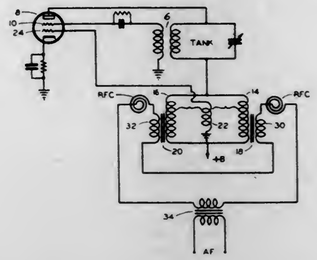
for limiting relative rotation between said plate and arm in clockwise direction, a second platen-engaging plate hinged to said first plate, and an operating arm connected to said second plate and also pivotally mounted with respect to said platen for moving said plates into and out of contact with said platen.

2,346,330
TRACTOR-MOUNTED IMPLEMENT
Ralph A. Ratcliff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 15, 1942, Serial No. 426,793
7 Claims. (Cl. 111—52)



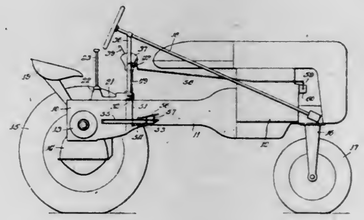
1. In combination, a tool-supporting structure having laterally spaced vertically extending attaching portions, vertically spaced laterally extending projections carried by each of the attaching portions, a working-tool structure having laterally spaced vertically extending plates adapted to engage respectively with the attaching portions of the tool-supporting structure, each of said plates having open-ended slots arranged to receive respectively the laterally extending projections of the tool-supporting structure attaching portions, and means associated with each of said plates for automatically locking the projections within said slots upon insertion of said projections therein.

2,346,331
COMBINED OSCILLATOR AND REACTANCE TUBE
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 21, 1942, Serial No. 439,823
6 Claims. (Cl. 179—171.5)



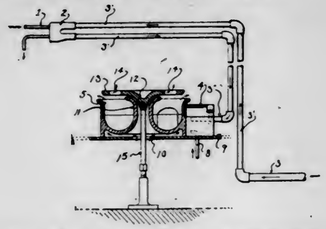
1. A combined oscillation generator and wave length control circuit including a tube having an anode, a cathode and a plurality of control grid electrodes, a tank circuit including an inductance, a regenerative feedback from the anode of the tube to a control grid thereof by way of said tank circuit, said feedback including an inductance connected between a control grid and the cathode and coupled to said tank circuit inductance, a first reactive feedback coupling from the anode of the tube to a control grid thereof, a second reactive feedback coupling from the anode of said tube to a control grid thereof, said second reactive feedback being of a polarity opposite to said first named reactive feedback, and means for differentially varying said reactive feedbacks in accordance with control voltages.

2,346,332
SPEED REGULATING MECHANISM
William C. Rosenthal, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 14, 1942, Serial No. 450,881
2 Claims. (Cl. 74—472)



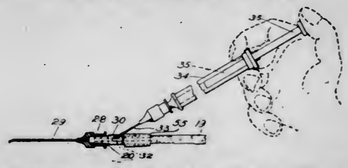
1. Vehicle accelerator means comprising combined hand- and foot-operated levers, a common link shiftable by each of said levers, means interposed between said levers to limit control movement thereof, said means comprising a detent operated by said link and caused to move upon movement of said link by either of said levers, and slidable rail means for limiting movement of said detent, said rail having a notch therein whereby in at least one position of said rail the detent is permitted greater arcuate swing.

2,346,333
HYDROCARBON BURNER
Bruno A. Schaumann, Milwaukee, Wis.
Application August 7, 1942, Serial No. 453,922
1 Claim. (Cl. 158—63)



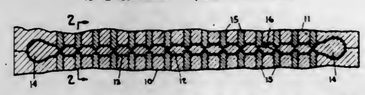
A hydrocarbon burner head comprising a cup forming a circular chamber, a tangentially disposed gas receiving neck extending from the cup chamber having an air port therein, a fuel conductor pipe in communication with the cup neck, a centrally disposed hollow hub extending from the cup bottom having a flared discharge mouth, and a deflector disc supported above the cup edge having a downwardly and inwardly flared hub nested within the mouth of the cup hub, and means for adjusting the disc relative to the cup edge and hub mouth, whereby the volume of flame discharged between the cup edge and disc is regulated and the volume of air through the hollow hub is controlled.

2,346,334
PARENTERAL ADMINISTRATION UNIT
John E. B. Shaw, Chicago, Ill.
Application January 18, 1943, Serial No. 472,787
3 Claims. (Cl. 128—214)



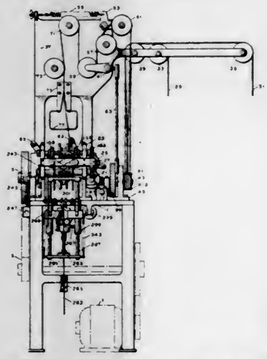
3. A parenteral administration unit comprising a container having sterile injection solution therein, a tubing connected on one end to said container, said container having means to permit the flow of the injection solution to said tubing, an adapter attached on one end to said tubing, an injection needle attached to the other end of said adapter, said injection needle adapted to be injected into the vein of a person designed to receive the injection solution in said container, said adapter having a bore extending therethrough to provide communication between said tubing and said injection needle, said adapter having an opening in its side wall extending therein for communication with said bore, a transparent sealing member positioned on said adapter and covering the opening in the side wall of said adapter, a second needle in communication with a source of emergency stimulating solution, said sealing member adapted to be pierced by said second needle and said opening adapted to receive said second needle and emergency stimulating solution from said second needle for communication to said bore, thence to said injection needle and into the vein of the person receiving the injection solution from said container, without removing said injection needle from the person and without inserting said second needle into the person.

2,346,335
MOLD FOR MAKING PERFORATE ARTICLES
Albert E. Sidnell, Akron, Ohio, assignor to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio
Original application May 9, 1939, Serial No. 272,586. Divided and this application January 21, 1941, Serial No. 375,145
2 Claims. (Cl. 18—42)



1. The combination of a sectional cavity mold for making laundry bags or the like of flexible, resilient sheet material and of a type which is of generally flat shape with opposite flat walls thereof relatively close together, and a core within the mold cavity having the surface thereof in spaced relation to the surface of the mold cavity to define the thickness of the walls of bags formed in the mold, said core comprising a relatively thin central plate having enlarged rounded edge portions and the mold cavity being correspondingly shaped, whereby bags formed in the mold will have relatively large rounded edge wall portions.

2,346,336
FOLDING MACHINE
Joseph Stuart, II, Kurt W. Jappe, and Roscoe B. Smith, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 23, 1942, Serial No. 427,932
21 Claims. (Cl. 28—21)

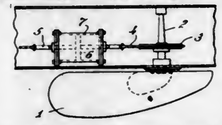


1. In a folding machine having a synchronized mechanism, means for continuously folding insulated strands of material in a figure 8 configuration, guide and supporting means for the folded strands, conveying means for progressing the folled strands, means for severing the progressing strands to form a predetermined length and means for crushing a portion of the insulation adjacent the ends thus formed, further progressing the severed length of strands to discharge.

2,346,337
SHIP STABILIZING AND CONTROLLING MECHANISM
John Stub, East Weymouth, Mass.
Application November 26, 1942, Serial No. 467,035
15 Claims. (Cl. 114—126)

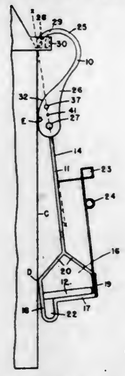
1. Apparatus for stabilizing and controlling the movement of ships comprising at least one fin

pivotally mounted at each side of the ship and means for yieldingly opposing and retarding



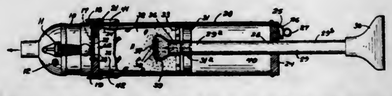
movement of the fins in either direction and from any position caused by the forces acting on them during rolling of the ship.

2,346,338
SCAFFOLDING AND APPARATUS THEREFOR
Henry Sway, Cincinnati, Ohio
Original application September 17, 1940, Serial No. 357,138, now Patent No. 2,326,983, dated August 17, 1943. Divided and this application January 12, 1943, Serial No. 472,090
2 Claims. (Cl. 304—19)



1. As a new article of manufacture, a scaffold tong comprising a pair of similar legs pivotally interconnectable whereby to selectively engage the lower flange of I-beam structures having webs of varying widths, each leg comprising a single length of metallic stock formed to provide a curved hook-shaped upper portion and a recurved lower or body portion, the free end of said upper portion terminating in a load bearing flange engaging tip, the free end of said lower portion terminating in a load bearing eyelet, said lower portion provided with a plurality of spaced holes whose centers are located on an arc whose center is coincident with the center of said eyelet, a bolt removably insertable through corresponding holes in said hooks, said eyelets adapted to be in registry for each engagement of the bolt with a corresponding set of bolt holes whereby the tips of said hooks will be spaced apart by predetermined amounts for accommodating webs of varying widths.

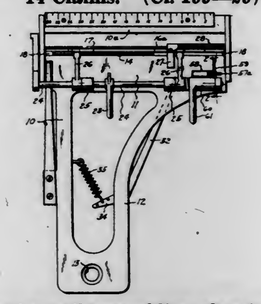
2,346,339
VACUUM CLEANER
Edwin W. Vose, Orange, N. J.
Application February 11, 1943, Serial No. 475,473
4 Claims. (Cl. 15—16)



1. In a vacuum cleaner, a container or tank having a closure member at each end thereof,

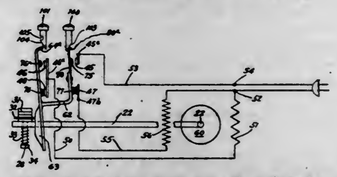
a tubular member having a nozzle formed on one end thereof and having the other end extending through one of said closure members and extending into said container, an opening formed in said last-mentioned closure member, removable means closing said opening, a target adjacent to said other end of said tube against which material passing through said tube into said container may impinge, a strainer or filter within said container spaced apart from said target and protected thereby, a closure head for the other end of said container or tank, an opening formed in said head, and means on said head for detachably connecting the interior of said container via said last opening to a source of sub-atmospheric pressure.

2,346,340
DUPLEX RAIL ASSEMBLING ELEVATOR
Horace C. Wauson and Walter E. Bennett, Jr., Houston, Tex., assignors of three-fourths to Gulf Publishing Company, Houston, Tex., a corporation of Texas, and one-fourth to said Bennett, Jr.
Application September 28, 1942, Serial No. 459,892
14 Claims. (Cl. 199—29)



1. A duplex rail assembling elevator including, a frame, a lower rail carried by said frame, an upper rail mounted on the frame and disposed above the lower rail, said upper rail being movable longitudinally of said frame, and means supported on said frame and engageable by a space band which is fed into the elevator for imparting a longitudinal movement to said upper rail.

2,346,341
MOTOR CONTROL SWITCH
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 14, 1942, Serial No. 438,931
10 Claims. (Cl. 172—279)



9. A control switch for a motor having starting and running windings, comprising a shiftable bridging member having rigid and flexible portions; two stationary contacts normally engaged by the bridging member, said contacts being respectively connected to the starting and running windings of the motor; two stationary contacts adapted to be engaged by the bridging member when moved from normal to operated

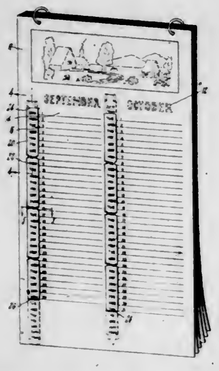
position; one of these stationary contacts being connected to the one of the first mentioned stationary contacts connected to the running winding of the motor, the other contact being adapted to be connected to a source of electrical energy; speed responsive means for actuating the bridging member between normal and operated positions; manually operated means for actuating the flexible portion of said bridging member to engage the stationary contact connected to the source of electrical energy while the bridging member is in normal position for motor starting; and a second manually operable means adapted to be actuated bodily to move the bridging member to disengage the stationary contact connected to the running winding while the said bridging member is in its operated position for stopping motor operation.

2,346,342

PERPETUAL CALENDAR AND MEMORANDUM

Ralph H. Wilbur, Melrose, Mass., assignor to The Tudor Press, Inc., Boston, Mass., a corporation of Massachusetts

Application October 7, 1940, Serial No. 360,090
4 Claims. (Cl. 40—109)



4. A perpetual calendar comprising a sheet having thereon a column of figures representing the days of a month, an elongated strip longitudinally slidable on said sheet and arranged with a portion of its front face equal in length to said column of figures exposed in juxtaposition to said column and with its end portions concealed behind the sheet, means overlapping at intervals the side margins of said exposed portion for guiding said strip and maintaining it slidably against the face of the sheet, means on the concealed ends of the strip for limiting its extent of sliding movement on said sheet, and indicia on said strip representing the days of the week in repeated sequence spaced similarly to the spacing of the figures in said column.

2,346,343

MILLING CUTTER

Earnest F. Aber, Waterford, Wis.

Application February 27, 1943, Serial No. 477,412
12 Claims. (Cl. 29—103)

9. A circular side milling cutter having a laterally projecting side cutting edge, said cutter also having a cutting edge on its periphery, the major part of the length of which extends at an angle with respect to a line parallel to the axis of rotation of the cutter, said peripheral cutting edge also having another part extending to the leading corner and meeting the side cutting



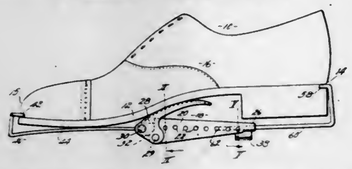
edge, said last mentioned part being at an obtuse angle with respect to the first mentioned part of the peripheral cutting edge.

2,346,344

SHOE REARCHING AND STRAIGHTENING DEVICE

Russell M. Anderson, Kansas City, Mo.

Application May 17, 1943, Serial No. 487,386
9 Claims. (Cl. 12—129.1)



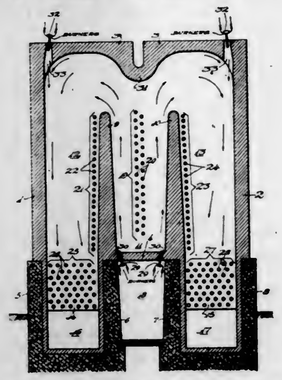
1. A shoe straightener comprising a heel member adapted to engage the rear portion of the heel and extend longitudinally beneath the shoe, a toe member adapted to engage the toe of the shoe and extend toward the forward end of said heel member, and means including an instep lever interconnecting said heel and toe member and manually operable to draw said heel and toe members toward each other to clampingly engage said heel and toe as said instep lever is urged against the instep of the shoe.

2,346,345

HEATER FOR FLUIDS

Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application February 20, 1942, Serial No. 431,703
10 Claims. (Cl. 122—356)



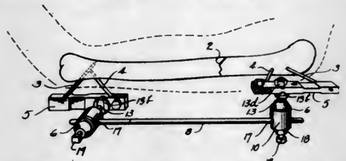
1. A heater for fluids comprising, in combination, a radiant heating zone disposed between a pair of substantially vertical refractory walls, a substantially vertical bank of tubular fluid conduits disposed in said zone substantially midway between said walls, another radiant heating zone adjoining the first named zone and disposed between a pair of substantially vertical refractory walls, a substantially vertical bank of tubular fluid conduits disposed in said other heating zone adjacent the surface of only one of said refractory walls thereof, means for directing hot combustion gases through the first named zone over said walls thereof in direct radiant heat transmitting relation to the tube bank disposed therein, means for directing hot combustion gases through the second named zone over the surface of that wall thereof opposite the tube bank disposed therein and in direct radiant heat transmitting relation to said tube bank, and means for directing combustion gases from one of said zones into and through the other of said zones.

2,346,346

FRACTURE IMMOBILIZATION SPLINT

Roger Anderson, Seattle, Wash.

Application January 21, 1941, Serial No. 375,278
4 Claims. (Cl. 128—92)



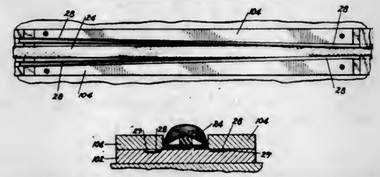
1. An ambulatory fracture reduction and immobilization splint comprising complemental yokes for embracing a limb, at opposite sides of a fracture, transfixions mounted by and extended between the legs of each yoke for transfixing the corresponding bone fragment for reduction of the fracture, by immobilization of the yokes, each yoke having ball sockets formed therein, a split ball bearing rotatably confined in each socket, connector rods extended along the limb between the yokes and slidably passing through corresponding ball bearings therein for adjustment of the yokes therealong for their change in spacing and angular relationship as required for and during reduction of the fracture, and means adapted to be tightened against the said balls to fix them against rotation, and to clamp them on the rods to fix the yokes in their adjustment relative to each other.

2,346,347

METHOD FOR APPLYING BEADS TO THE MARGINS OF STRIPS

George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application March 20, 1941, Serial No. 384,341
1 Claim. (Cl. 153—1)



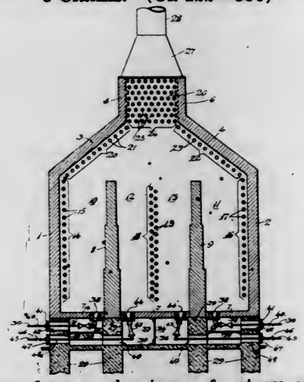
That method of forming a metal bead about the margin of a strip of material comprising advancing the material strip lengthwise, advancing a flat metal band lengthwise and in the same direction and simultaneously acting thereupon by bending the band, forming a low shoulder along each edge projecting substantially normal to the plane of the band and bending the band into a substantially U-shaped channel with the marginal shoulders projecting toward each other along the margin of the side walls of the channel, moving the channel shaped band toward a margin of the strip while advancing the band and the strip lengthwise and in the same direction to embrace said strip, and urging the side walls of the channel toward each other and against opposite sides of the strip embedding the shoulders within the strip of material spaced inwardly from the margin thus forming a bead along said margin.

2,346,348

HEATER FOR FLUIDS

Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 26, 1942, Serial No. 428,239
5 Claims. (Cl. 122—356)



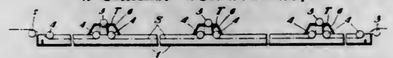
5. In a furnace having refractory side walls, the combination of a pair of substantially vertical refractory interior walls spaced from each other to form a central heating zone therebetween and spaced from the side walls to form a side heating cell between each of the interior walls and the adjacent side wall, a bank of heating tubes in said central cell substantially midway between said interior walls, heating tubes in each of said side cells adjacent one of said side walls, and burner means disposed adjacent an end and on opposite sides of each of said interior walls for directing hot combustion products over both sides of each of the interior walls.

2,346,349

ELECTROPLATING METHOD

Joseph Dell Baster, Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application August 4, 1940, Serial No. 351,319
2 Claims. (Cl. 204—28)



1. The method of electroplating metallic strips in continuous lengths which includes guiding a plurality of strips through an electrolytic bath in flat, co-planar relation, and twisting said strips substantially 180 degrees while in motion through said bath so as to present both surfaces thereof to uniform electrolytic action.

2,346,350

HIGHLY SUBSTITUTED ACETONE-SOLUBLE CELLULOSE ACETATE

Ernst Berl and Walter George Berl, Pittsburgh, Pa.

No Drawing. Application April 2, 1941, Serial No. 386,558
23 Claims. (Cl. 260—230)

17. As a new composition of matter a highly acetylated non-fibrous cellulose acetate containing at least 58.5% of bound acetic acid, originally insoluble in acetone and made soluble in acetone without change in the chemical composition, by subjecting a suspension in acetone of said acetate with destroyed fiber structure to a temperature below −20° C.

2,346,351

CHAIN TREAD VEHICLE

Joseph Armand Bombardier, Valcourt, Quebec, Canada

Application July 6, 1942, Serial No. 449,852
In Canada March 30, 1942
6 Claims. (Cl. 305—9)



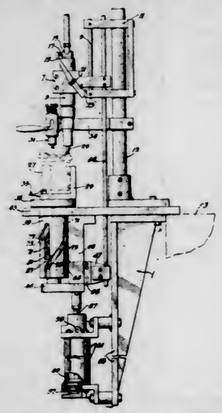
1. In a vehicle of the chain tread type, a chassis, a series of wheels, an endless traction chain trained over said wheels, a supporting arm for each wheel, each arm being pivotally attached to said chassis and rotatably supporting one of said wheels at a distance from the point of pivotal attachment, said arms being grouped in pairs, a cylinder and a spring-pressed piston therein between the arms of each pair, and chains connecting the cylinder and piston respectively to the arms of the corresponding pair.

2,346,352

CAM OPERATED MACHINE

Glen L. Boxell, Greentown, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 30, 1941, Serial No. 424,897
6 Claims. (Cl. 29—84)



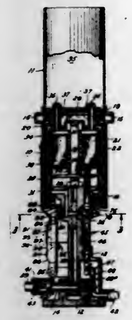
2. In a machine of the type described comprising a composite frame structure which includes movable indexing means comprising a rotatable cylindrical cam having a plurality of intersecting slots extending angularly and parallel to the axis of the cam, a reciprocating stud movable in the slots and movable spring biasing mechanical switching means on said cam to cause the stud to pass successively through adjacent angular and parallel slots to index the cam, work supporting means on the cam, screw driving means movable toward and away from the work supporting means and reciprocating power operated means operatively connected to the cam stud and movable screw driving means to cause indexing of the work supporting means on alternate strokes of the power operated means.

2,346,353

CONTROL SYSTEM FOR MOTOR VEHICLES

Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.

Original application October 2, 1929, Serial No. 396,691. Divided and this application January 17, 1944, Serial No. 518,648
19 Claims. (Cl. 192—01)



1. In clutch control apparatus for automotive vehicles, the combination of fluid pressure actuated means for effecting disengagement of the clutch, a valve adapted to be operated by movement of the vehicle accelerator for controlling said fluid pressure actuated means, and means for controlling the engagement of the clutch, said last named means being adapted to control the fluid pressure in said first named means to permit relatively rapid movement of the clutch in engaging direction up to a point where the clutch is about to engage and then to cause relatively slow movement of the clutch during actual engagement.

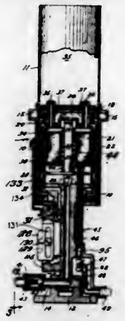
2,346,354

CONTROL SYSTEM FOR MOTOR VEHICLES

Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.

Original application October 2, 1929, Serial No. 396,691. Divided and this application January 17, 1944, Serial No. 518,651
6 Claims. (Cl. 192—.01)

1. A control system for automotive vehicles, comprising a control device, a fluid pressure actuated motor connected to said device and capable of operating the same, a source of suction, means connecting said motor to said source and to atmosphere, valve means for controlling said connecting means, electro-magnetic means for actuating said valve means, switch means operable by



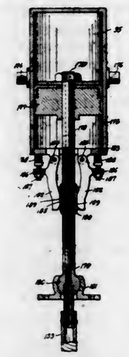
said power device, a solenoid in circuit with said last-named switch means, and a valve actuated by said solenoid.

2,346,355

CONTROL SYSTEM FOR MOTOR VEHICLES

Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.

Original application October 2, 1929, Serial No. 396,691. Divided and this application January 17, 1944, Serial No. 518,652
9 Claims. (Cl. 192—.01)



1. In a clutch control device for motor vehicles, a power device connected to the clutch and capable of releasing it, a control device for the power device to cause it to function to release the clutch, and control means for said power device including friction means for varying the resistance of the power device to the engaging movement of the clutch.

2,346,356

HEAVY DUTY LUBRICANT

Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 11, 1940, Serial No. 339,928
10 Claims. (Cl. 252—49)

4. A heavy duty lubricant comprising a heavy lubricating oil and small amounts of an inorganic phosphorus-providing agent from the group consisting of phosphorus and phosphorus sulphide, and a diaminodiphenylmethane derivative.

2,346,357

HIGH TEMPERATURE LUBRICANT

Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application December 24, 1941, Serial No. 424,362
4 Claims. (Cl. 252—35)

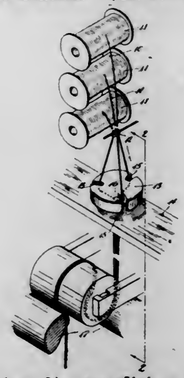
4. A lubricant promoting combustion of deposits in the combustion zone of internal combustion engines and producing high stability in the crankcase, which comprises a lubricating oil and up to about three per cent each of a salt of an organic acid of low volatility the stated salts of which promote diminution of carbonaceous deposits with a metal having oxidation activity from the class consisting of vanadium, chromium, molybdenum, manganese and cobalt, and a nitrogen-containing diphenyl methane derivative.

2,346,358

METHOD AND APPARATUS FOR EQUALIZING THE TENSION IN A PLURALITY OF STRANDS

Warren F. Busse, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application November 24, 1942, Serial No. 466,729
5 Claims. (Cl. 57—106)



1. Apparatus for equalizing the tension in a plurality of strands being advanced together in a generally vertical direction under varying individual tension conditions, said apparatus comprising means for guiding the strands together through two restricted zones at spaced apart points along a generally vertical path of travel, and a floating friction member spreading the strands apart between the said two zones and engaging a bight of each strand for frictionally tensioning the same, the said member being controlled in its location by engagement of the bights of the strands and movable laterally of the direction of the strands by reason of the difference of tension in the individual strands, whereby to increase the frictional drag on the strand having the least tension and to equalize the tension in all the individual strands.

2,346,359

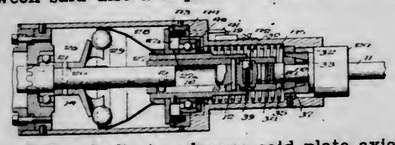
TOOL FEEDING MECHANISM

Philip S. Claus, Redford, Mich.

Application October 29, 1941, Serial No. 417,051
8 Claims. (Cl. 77—33)

1. A compensating feeding machanism for rotary cutters comprising a driving shaft, a driven

shaft on which the cutter is mounted, a sleeve on the driven belt shaft normally rotatable therewith, an abutment carried in said driven shaft and yieldingly held advanced beyond the periphery of said sleeve, a disc fixed on the driving shaft, a cone-shaped plate having an extension engageable with said abutment, means confined between said disc and plate responsive to rota-



tion of the shafts to advance said plate axially of the driving shaft to force the driven shaft forwardly, means for retarding rotation of said sleeve at a predetermined point in the advance of the driven shaft, and means operable by retardation of said sleeve to depress said abutment to clear said plate extension whereby the driven shaft may be retraced independently of said plate.

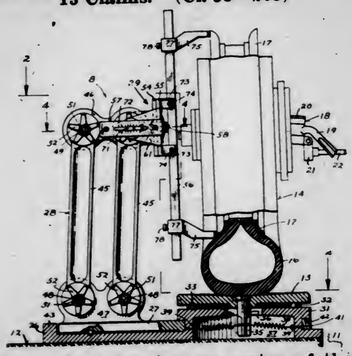
2,346,360

WHEEL ALIGNMENT GAUGE

John L. Creagmile, Oakland, Calif.

Application December 1, 1941, Serial No. 421,185

13 Claims. (Cl. 33—203)



1. In a wheel gauging apparatus of the class described, a testing head for operative disposal adjacent a side of a dirigible wheel to be tested, a base member mounted for measured angular adjustments thereof about a vertical axis through the bearing point of the wheel, and a parallelogram post carrying said head and extending from said base member and comprising mutually parallel upright members hingedly connecting equally spaced points of the base and head and including said vertical axis in its plane and distortable in its said plane to adjustably space the head from the wheel for a gauging of the wheel alignment relations by use of the head.

2,346,361

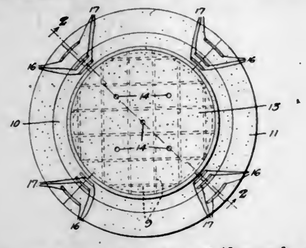
PORTABLE CONCRETE COVER

Nicola Cupido, Brentwood, Pa.

Application March 11, 1942, Serial No. 434,277

1 Claim. (Cl. 72—100)

In a manhole cover, a collar consisting of a plurality of units made of concrete and each having a vertical member and a horizontal member, the horizontal members of the units extending outwardly from the base of the vertical members and the vertical members incerasing in thickness in the direction of the horizontal members, the horizontal and vertical members of the units being provided in their end portions with grooves opening through the outer surfaces and ends of the units, rods located in the grooves and extending across the ends of the units, the grooves being of greater depth than the thickness of the rods,



cement in the grooves on top of the rods and extending across the ends of the units, the rods and the cement holding the units in assembled relation against any vertical or outward horizontal movement with relation to each other, and a lid mounted on the collar.

2,346,362

SPRAY COMPOSITION

Clarence D. Dolman, Chelan County, Wash., assignor to Hercules Glue Company, Ltd., a corporation of California

No Drawing. Application June 21, 1941, Serial No. 399,229

6 Claims. (Cl. 167—42)

1. A spray composition made up by mixing materials comprising proportionately 100 gallons of water, an effective concentration of an inorganic metallic, finely divided solid substantially water insoluble plant protectant, free oil, a material selected from the group consisting of a fatty acid, a fatty acid soap, a fatty acid ester, a partially saponified fatty acid, and a partially esterified fatty acid, the oil to material ratio being between 400 to 1 and 1 to 5, the material being present in an amount from 0.1% to 5% of the weight of protectant, and a small quantity of a dry, inert, finely divided carrier, said composition having a pH between 6 and 8, said oil wetting said protectant preferentially in the presence of the water and forming an inverted mixture therein.

2,346,363

ELECTRODE HOLDER

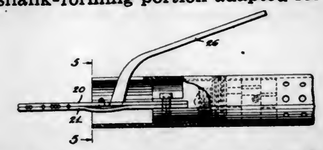
Thomas S. Donnelly, Jr., Detroit, Mich., assignor to Bordon Mfg. Co., Inc., Detroit, Mich., a corporation of Michigan

Application January 26, 1942, Serial No. 428,242

8 Claims. (Cl. 219—8)

3. In an electrode holder of the class described, a shank-forming portion adapted for attachment to an electric conductor; an upper jaw and a lower jaw projecting in superimposed, registering relation forwardly of said shank forming portion and spreadable apart at their forward ends for the reception of an electrode wire to be clamped therebetween, the upper jaw having an opening formed therein; a lever projected at its forward end through said opening into a position between said upper and lower jaws and rockable downwardly at its rearward end; means for pivotally connecting said forward end of said lever to said upper jaw and an engagement portion on said lever rearwardly of said pivot means for engaging said lower jaw upon downward rocking of said rearward end for effecting a spreading apart of said jaws at their forward ends.

6. In an electrode holder of the class described, a tubular handle; a metallic liner for lining the inner surface of a portion of said handle; a metallic shank-forming portion adapted for attach-



ment to an electric conductor and embraced by the lined portion of said handle and contacting said liner; and means for securing said handle on said shank-forming portion.

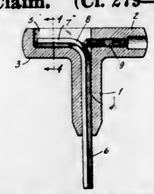
2,346,364

TOOL HANDLE

Leo H. Dowe, Waukegan, Ill.

Application May 7, 1943, Serial No. 486,024

1 Claim. (Cl. 279—83)



A tool handle having a staff and an arm extending at right angle to the staff, the staff having a bore therethrough and the arm having a slot extending downwardly from its top and communicating with the bore, the bore and slot being adapted to accommodate a tool having a stem extending through the bore and a shank, connected at right angles to the stem by a bend or elbow, seated in the slot, and a set screw threaded in the handle and positioned to engage the perimeter of the bend on the tool in such a manner as to hold the tool against displacement.

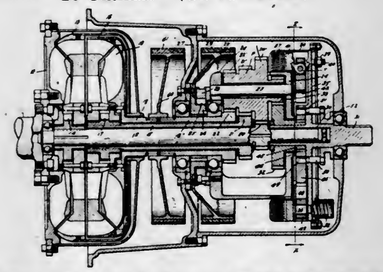
2,346,365

AUTOMATIC SPEED CHANGE GEARING

William A. Duffield, Windsor, Ontario, Canada, assignor to Windfields, Limited, Montreal, Quebec, Canada, a corporation of Canada

Application October 3, 1942, Serial No. 460,612

10 Claims. (Cl. 74—189.5)



1. Epicyclic speed change gearing comprising a power receiving shaft carrying a first sun gear, a power-receiving sleeve shaft sleeved over said first shaft and carrying a second sun gear, a second power-receiving sleeve shaft sleeved over the first sleeve shaft and carrying a third sun gear, a fourth sun gear, an output shaft coaxial with all said sun gears, a driving connection between the fourth sun gear and the output shaft, a planetary carrier coaxial with said gears and shafts, means for blocking reverse rotation of said carrier, means for connecting the planetary carrier and output shaft, a planetary gear unit of relatively immovable gears journalled on said carrier and comprising four sets of gear teeth of different diameters and meshing, respectively, with the four sun gears.

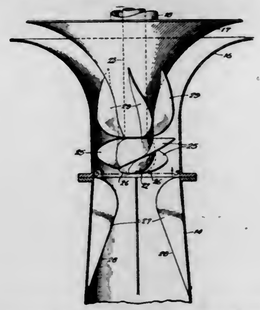
2,346,366

MECHANICAL AERATOR

Augustus C. Durdin, III, Skokie, Ill., assignor of twenty-four per cent to Lewis H. Durdin, Franklin, Pa., and fifty-two per cent to Augustus C. Durdin, Jr., Chicago, Ill.

Application December 29, 1941, Serial No. 424,707

4 Claims. (Cl. 259—97)



1. A mechanical aerator comprising a tube for fluid flow flared at its outlet end, a reaction cone mounted in the flared outlet end and spaced from the walls thereof, a hub rotatable adjacent the inlet end of the reaction cone, a fluid propulsion vane on the hub, and a reactance vane on the cone to receive fluid from the propulsion vane and direct it along the cone, the reactance vane being supported solely by the cone and having its outer edge spaced from the walls of the tube, and being so shaped as to present a different angle adjacent the cone than adjacent its outer edge so as to provide a circulation outwardly across the surface of the vane.

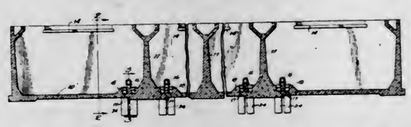
2,346,367

AERATION APPARATUS

Augustus C. Durdin, III, Skokie, Ill., assignor of twenty-four per cent to Lewis H. Durdin, Franklin, Pa., and fifty-two per cent to Augustus C. Durdin, Jr., Chicago, Ill.

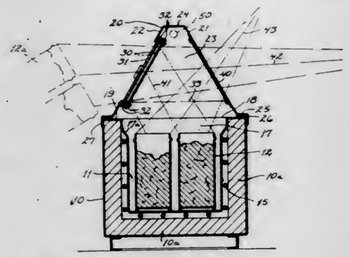
Application December 31, 1941, Serial No. 425,045

14 Claims. (Cl. 261—122)



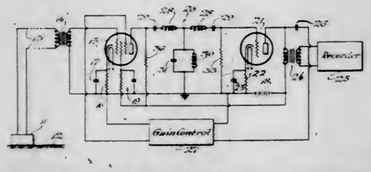
1. Aeration apparatus comprising means forming an air conduit, means in one side of the conduit forming a plurality of air boxes open at their outer sides and communicating separately with the air conduit, a plurality of porous diffuser plates secured over the open sides of the air boxes respectively, and a liquid discharge passage in each air box leading from the lower portion thereof to a confined portion of the corresponding diffuser plate to conduct liquid from the air box to the inner face of said plate.

2,346,368
DISPLAY CABINET
Frank W. Edwards, Cleveland, Ohio, assignor to The Telling Belle Vernon Company, Cleveland, Ohio, a corporation of Ohio
Application June 26, 1941, Serial No. 399,842
1 Claim. (Cl. 88—74)



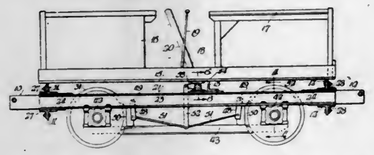
In a display cabinet, a substantially enclosed container having a horizontal top provided with article receiving recesses, a cover for said container and comprising a metal plate formation of an inverted V shaped cross section having a horizontal outward extending flange extending around its bottom edge to rest on the top wall of said container, said flange being provided with a downward projecting lip to embrace the side walls of said container to thereby position said cover, each of the sloping sides being provided with enlarged openings spaced a substantial distance from the top and bottom of said cover to thereby maintain substantially quiescent blankets of air above and below said openings, internally mirrored doors slidably mounted on said cover and within the confines thereof and arranged and adapted to close one of the openings, and a transparent member permanently closing the other opening, means in said cover adjacent the vertex of said V and within the upper quiescent blanket of air to directly illuminate the contents of the container, said means being positioned to avoid direct illumination of said mirrored walls, whereby the illuminated contents of said container are visible from the exterior of said cover either directly through said transparent closure or by reflection of said mirrored doors.

2,346,369
SEISMIC SURVEYING
Joseph D. Eisler, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application February 28, 1942, Serial No. 432,869
3 Claims. (Cl. 177—352)



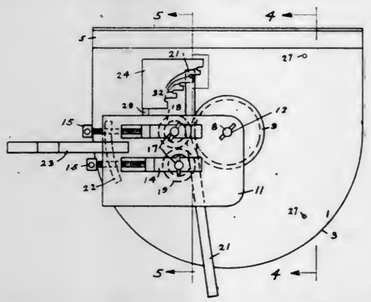
1. In apparatus for seismic prospecting including a seismometer adapted to produce electric waves in response to seismic waves, an amplifier for said electric waves, and a recorder for recording the output of said amplifier, the improvement comprising an electric band pass filter interposed in said apparatus between said seismometer and said recorder, said filter being so designed and constructed that in the range of frequencies defined by said pass band the phase shift between output from said seismometer and input to said recorder varies substantially linearly with frequency in such a manner that the apparent phase shift at zero frequency is an integral multiple of π radians.

2,346,370
RAILWAY VEHICLE
Irving N. Eustis, John Boyce, and John C. Olsen, Fairmont, Minn., assignors to Fairmont Railway Motors, Inc., Fairmont, Minn., a corporation of Minnesota
Application August 26, 1942, Serial No. 456,150
8 Claims. (Cl. 105—178)



1. A railway vehicle embodying therein a frame including longitudinal sill members and pairs of transverse frame members secured thereto, a wheel unit at each side of the vehicle and having front and rear wheels journalled therein, portions of each wheel unit being disposed between the frame members of each pair, means operatively connecting each wheel unit to the parts of the transverse frame members between which it is disposed, the connecting means for one of said units with its associated parts of said transverse frame members permitting of a lateral adjustment of one of said units toward or away from the other unit to provide a variable gauge for the front and rear wheels of the vehicle, and a driving axle extending between like wheels at opposite sides of the vehicle and having a driving but sliding engagement with at least one of said like wheels.

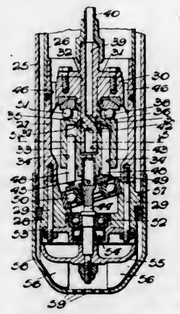
2,346,371
TUBE BENDER
Charles F. Fink, Baltimore, Md., assignor to The Trimble & Fink Manufacturing Company, Baltimore, Md., a corporation
Application January 30, 1942, Serial No. 428,856
2 Claims. (Cl. 153—45)



1. A machine for bending thin walled tubing comprising in combination, a table, a roller rotatably attached to the table in a horizontal position and parallel thereto, said roller having a peripheral groove therein for engaging the external surface of a thin walled tubing length away from one end thereof, a plurality of rotating

pressure wheels of smaller diameter than the roller and having peripheral grooves therein for engaging the external surface of the tubing opposite to that engaged by the roller, the axes of the wheels being at variable distances from that of the axis of the roller and increasing as their spacing is greater from said end of the tubing, means for adjusting the position of the wheels independently of each other to and from the roller and to suit the amount of bending to be given the tubing, a pull block having a plurality of stepped grooves mounted on the table and spaced away from the roller and wheels, a clamp rigidly attachable to said end of the tubing and selectively insertable in the said stepped grooves to position the tubing to suit the bending to be done thereon, a carriage for holding the wheels in their adjusted positions and rotatable on the table with the axis of the roller as its rotation center, said carriage being connected with the table so as to be guided and controlled rotatably thereby, and handle means for operating the carriage and pressure wheels against the tubing held between same and the said roller and with its end rigidly held by the clamp in the pull block.

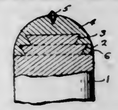
2,346,372
MOTOR PUMP UNIT
Frederick Donald Foottit and George Joseph Trapp, Leamington Spa, England, assignors to Automotive Products Company Limited, Leamington Spa, England
Application September 9, 1942, Serial No. 457,754
In Great Britain July 14, 1941
21 Claims. (Cl. 103—87)



1. For removing liquid from a container, a motor pump unit comprising in combination a hollow support having at least three mutually independent passages and an inlet opening adjacent the free end for incoming liquid, a multi-cylinder motor arranged to be actuated by pressure fluid fed through one of said passages and to pass the rejected working fluid through another thereof, and a rotary pump driven by the fluid pressure motor, said pump being arranged to deliver under pressure through the third passage the liquid which enters through the inlet opening.

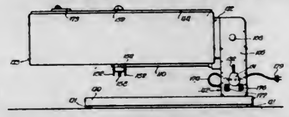
2,346,373
DIAMOND TOOL
James R. Fortier, Detroit, Mich.
Application January 9, 1942, Serial No. 426,183
3 Claims. (Cl. 125—39)

1. In a diamond tool, the combination of a shank comprising a solid body portion and an end portion of reduced diameter projecting outwardly therefrom, said end portion being in the shape of a frusto-cone with its smaller base secured to said



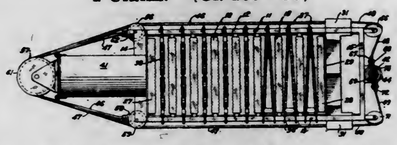
body portion, an alloy completely overlying said end portion, and a diamond fixedly secured in said alloy and intersected by the axis of said shank.

2,346,374
IRONING MACHINE
Frederick M. Freis, Chicago, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Application August 29, 1941, Serial No. 408,703
22 Claims. (Cl. 38—61)



1. In an ironing machine, a gear housing, a roll extending from one side of said housing mounted thereon for rotation about a fixed axis, a cooperating shoe movable to and from said roll, a motor secured to said one side of said housing extending therefrom into said roll, said gear housing being disposed exteriorly of said roll, driving connections between said motor and said roll, and means operated by said motor for moving said shoe to and from said roll, said means comprising means within said housing exterior of said roll and driven by said motor.

2,346,375
FILTER PRESS AND CONTROL MECHANISM THEREFOR
Roy Edward Harris, San Jose, Calif.
Application August 31, 1940, Serial No. 354,952
1 Claim. (Cl. 100—50)



In a filter press including a frame, a plurality of flexible filter bags arranged in alternation with a plurality of rigid, slidably and pivotally mounted press-boards, and a movable follower for engaging an end press-board, mechanism for compressing said filter bags between said press-boards and for returning said bags and said press-boards to an initial position, said mechanism consisting of a first cylinder supported adjacent one end of said frame, a piston movably mounted in said first cylinder, a pair of pulleys mounted for rotation on said piston in juxtaposition, a first pair of cables trained over said pulleys, one of said cables being connected to one side of said frame and the other end of said one cable being connected to said follower on the opposite side of said frame, and one end of the other of said cables being connected to the other side of said frame and the other end thereof being connected to the follower on the opposite side of said frame, means for moving said piston out of said first cylinder to draw said follower through the medium of said pair of cables and thereby compress said filter bags between said press-boards; movement of said fol-

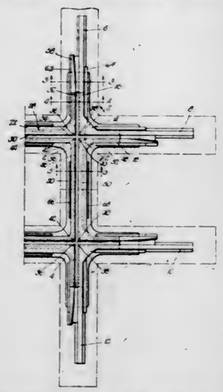
lower effecting the tilting of said press-boards about their horizontal axes so that they follow the contour of said bags, and a second cylinder supported adjacent said frame at the opposite end to said first cylinder, a piston movably mounted in said second cylinder, a pair of pulleys rotatably mounted on said last mentioned piston in juxtaposition, a second pair of cables trained over said last mentioned pair of pulleys, one end of one of said cables of said second pair being anchored to a support on one side of said second cylinder and the other end thereof being connected to said follower on the opposite side of said frame, and one end of the other of said cables of said second pair being anchored to a support on the opposite side of said second cylinder and the other end of said last mentioned cable being connected to said follower on the other side of said frame; movement of said piston out of said second cylinder operating to draw said follower and said press-boards back to their initial positions through the medium of said last mentioned pair of cables.

2,346,376
RADIATOR TUBE END
Harvey R. Heavener, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 17, 1942, Serial No. 455,085
7 Claims. (Cl. 153—2)



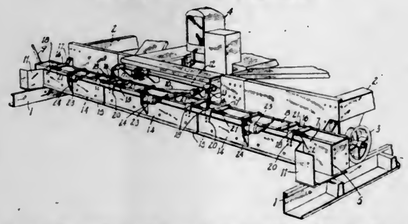
1. The method of making polygonal ended tubes including inserting coaxially in the end of a tube a spinning enlarger tool having flutes in the enlarging surface to expand and simultaneously twist the wall of the tube end, and thereafter inserting axially of the expanded end, a plunger having a polygonal cross section to conform the end wall thereto with the axial line of plunger travel crossing the lines of wall twist.

2,346,377
RAILWAY CROSSING
John V. Houston, Chicago, and Berger R. Habel, Riverside, Ill., assignors to The American Brake Shoe Company, a corporation of Delaware
Application February 18, 1943, Serial No. 476,280
12 Claims. (Cl. 246—464)



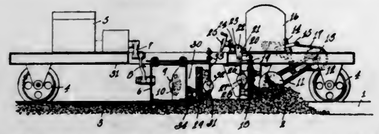
1. A railway crossing structure of substantially the character described, comprising a box-like structure formed with a centrally disposed body portion and a plurality of crossing branches for connection to adjoining running rails, said crossing structure including a base, a top portion in the form of a bridging web, and upstanding webs integrally connecting said base and top portion, said bridging web being formed with intersecting flangeways and tread surfaces, the portions in which the flangeways are formed being developed as downwardly presented ribs terminating short of said base, said crossing structure having diagonally opposed crossing corners developed by said flangeways reinforced by said upstanding webs merging into the ribs of said flangeways, and said crossing structure having other diagonally opposed crossing corners developed by said flangeways reinforced by said upstanding webs merging into the ribs of said flangeways of one of the adjacent crossing branches and reinforced by said upstanding webs disposed in lateral spaced relation to the ribs of said flangeways of the other of the adjacent crossing branches.

2,346,378
CONCRETE PLACING MACHINE
Corwill Jackson, Ludington, Mich.
Application May 5, 1941, Serial No. 391,922
12 Claims. (Cl. 94—48)



1. In a machine of the class described, the combination of a screed adapted for forward advancement and reciprocating movement transversely of the path of forward travel, the screed comprising a bottom and a front member, a vibratory member disposed in front of and in spaced relation to the screed and adapted to support a substantial mass of material treated as the vibratory member is advanced, the space between the front member of the screed and said vibratory member being open at the bottom to permit the entry to and discharge therefrom of portions of the material treated, means for vibrating said vibratory member at high frequency, supporting means for said vibratory member carried by said screed, and a resilient thrust member disposed between and engageable by said screed and said vibratory member whereby the vibratory member is advanced and reciprocated as the screed is advanced and reciprocated and said screed is also vibrated.

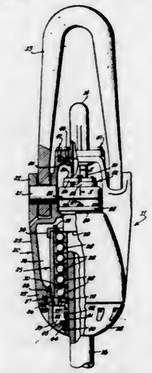
2,346,379
METHOD OF AND APPARATUS FOR PLACING PAVEMENT SLABS AND THE LIKE
Corwill Jackson, Ludington, Mich.
Application July 23, 1941, Serial No. 403,667
8 Claims. (Cl. 94—24)



8. An apparatus for placing low water content concrete mixtures in pavements and the like

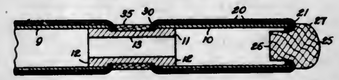
comprising a carriage, a screed member mounted on and extending transversely of the path of travel of the carriage and adapted to rearwardly support a substantial mass of the concrete mixture in front thereof as the screed member is advanced against the concrete mixture, means for vibrating the concrete mixture so supported and rendering it fluid or semi-fluid in advance of the screed member, and a spreader disposed in advance of the screed member for advancement therewith and in the zone of the concrete mixture supported and vibrated by the screed member which has been rendered fluid or semi-fluid and acting to spread the said vibrated material longitudinally of the screed member for screeding action thereby.

2,346,380
SWIVEL
Walter E. King, Houston, Tex.
Application December 28, 1940, Serial No. 372,098
4 Claims. (Cl. 255—25)



3. In a swivel: an outer housing provided with a pair of spaced bail pins at its upper end within the periphery of the outer housing, said housing including an annular portion of substantial length extending below said pins and terminating in an opening; a bail mounted on said pins; an annular bearing housing rigidly mounted in the opening at the lower end of said outer housing and extending upwardly therein a substantial distance, said bearing and outer housings being independent of each other except at their region of attachment at their lower end portions; a plurality of annular rows of anti-friction bearings mounted within said bearing housing one above the other and engaging each other; and a hollow stem journalled in and supported on said bearings.

2,346,381
CLEARER ROLL FOR SPINNING FRAMES
John Green Kershaw, Westmount, Quebec, Canada, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada, a corporation of Canada
Application April 14, 1942, Serial No. 438,934
In Canada October 1, 1941
6 Claims. (Cl. 19—140)



3. A clearer roll, comprising, a cylindrical form, a plurality of annular channels in said form, a collar of hard bearing material in each channel constituting a journal adapted for sliding contact with a bearing, textile material surfacing other portions of the form and having ends adjacent the collars, ends of the textile material being engaged and held in place by the collars, the textile-surfaced portions being adapted to perform the clearing function.

2,346,382
PRODUCING TUNGSTEN ALLOYS
Arthur Linz, New York, N. Y., assignor to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
No Drawing. Original application January 18, 1940, Serial No. 314,447. Divided and this application December 12, 1941, Serial No. 422,673
1 Claim. (Cl. 75—133)

A process of producing tungsten containing alloy steel in an electric furnace which comprises adding to the furnace charge ferro-tungsten to supply a portion of the required tungsten in the alloy, and after the ferro-tungsten has been absorbed adding self-reducing briquettes, composed of a mechanical mixture of an oxide of tungsten and a carbonaceous reducing agent, through a "carbide slag" covering the other molten alloying ingredients.

2,346,383
COLLAPSIBLE TUBE CAP
Howard P. McNail, Detroit, Mich.
Application February 3, 1941, Serial No. 377,177
1 Claim. (Cl. 221—60)

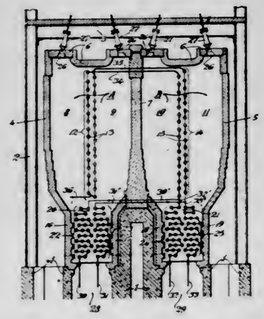


A closure for a container, comprising an outwardly tapered apertured part for dispensing contents from said container, an inverted substantially cup shaped internally tapered part telescoped over the apertured part for free turning movement thereon and having a discharge-way for registry with the aperture in the outwardly tapered part, one of the parts having a groove, and also provided with a bevelled guideway leading from a free edge thereof directly to the said groove, a fixed latching projection on the other part for riding the guideway to have it engaged in the groove on the telescoping of the parts together for latching the same, and a split area formed in the last named part and entering the discharge-way for the spreading of such area yieldingly on the riding of the projection in said guideway for the snapping engagement of the projection in the groove.

2,346,384
HEATING OF FLUID
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 31, 1941, Serial No. 417,337
8 Claims. (Cl. 196—47)

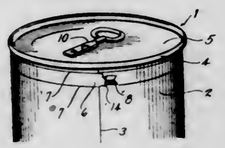
1. A heater for fluids comprising, in combination, a pair of separate combustion and radiant heating zones having substantially parallel, vertically disposed side walls, two substantially parallel, vertical rows of horizontal tubes disposed in each of said radiant heating zones substantially midway between said side walls there-

of, independently controlled firing means for each of said radiant heating zones comprising burners disposed to project flames and hot combustion gases vertically over said side walls in direct heat radiating relation to the tubes of said banks, a separate fluid heating zone communicating with each of said radiant heating zones to receive combustion gases therefrom, a pair of tube banks arranged in each of said fluid heating zones to receive substantially equal heating from the combustion gases passing through the respective fluid heating zones, each of the last named banks comprising a plurality of superimposed horizontal rows of horizontally disposed tubes, means for passing separate sub-



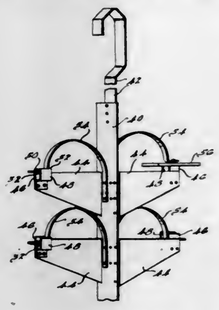
stantially equal streams of the fluid to be heated in parallel through the several tube banks in the fluid heating zones, a tube bank in one fluid heating zone being manifolded with a tube bank in the other fluid heating zone and the other tube bank in the first fluid heating zone being manifolded with the other tube bank in the other fluid heating zone, one of said manifolded pair of banks being connected in series with one row of tubes in one of the radiant heating zones, the other manifolded pair of banks being connected in series with the other row of tubes in the last named radiant heating zone and each row of tubes in the last named radiant heating zone being connected in series with a separate row of said tubes in the other radiant heating zone.

2,346,385
TEARING STRIP CAN
Eugene Albert Mignacco, San Francisco, Calif., assignor to M. J. B. Company, San Francisco, Calif., a corporation of Delaware
Application February 25, 1941, Serial No. 380,467
1 Claim. (Cl. 220—52)



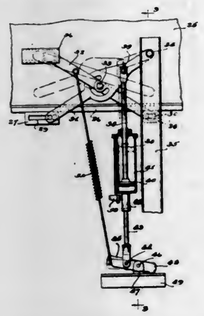
In a can of the character described, a tearing strip having a free tongue formed at its end with a longitudinally troughed portion terminating in a transverse kink at the base of the troughed portion for easy bending by a key applied to the rigid portion.

2,346,386
ANODIZING RACK
George L. Nankervis, Detroit, Mich., assignor to George L. Nankervis Co., Detroit, Mich.
Application May 7, 1943, Serial No. 486,108
4 Claims. (Cl. 211—89)



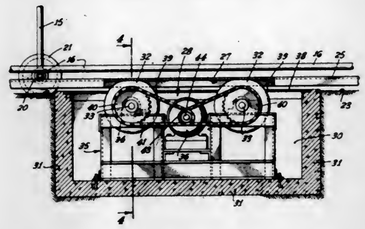
3. An article supporting anodizing rack comprising a main support member, an article support member secured to said main support member, means on said article support member forming spaced edges adapted to be engaged by an article, and a resilient member on said article support member having a button shaped member fixed thereto, said button shaped member being disposed between said edges and positioned to positively grip an article in substantially point and line contact between it and said edges.

2,346,387
HYDRAULIC REGULATOR SYSTEM
John B. Parsons, Toledo, Ohio
Continuation of application Serial No. 426,438, January 12, 1942. This application May 6, 1943, Serial No. 485,871
10 Claims. (Cl. 268—125)



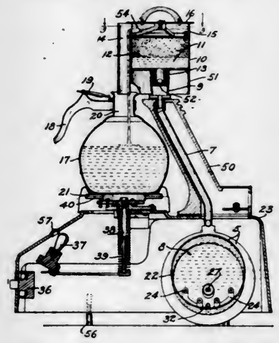
1. The combination of a vehicle window regulator having a pair of cross arms connected to effect window opening and closing movements in response to swinging action of said arms, fluid pressure means including piston and cylinder parts connected to one of said arms for actuating same, a pivoted mounting arm to which one of said parts is connected, and a coil spring connecting the other of said cross arms to said mounting arm and on the same side of the pivot thereof as said part, whereby the spring assists in moving the vehicle window in one direction and compensates for expansion of pressure fluid when the vehicle window is in closed position.

2,346,388
GATE DRIVE
Frank B. Peebles, Los Angeles, Calif., assignor to Irving G. King & Company, a partnership
Application April 8, 1942, Serial No. 438,067
3 Claims. (Cl. 39—7)



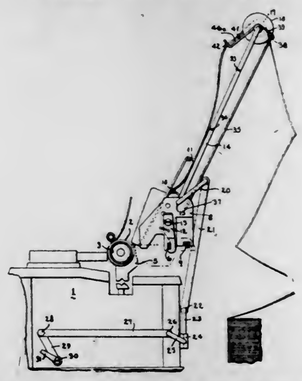
1. In combination, a fence, a gate adapted to close an opening in the fence, means supporting said gate for edgewise movement to open or close said opening, said gate extending for a greater distance than the extent of said opening whereby when said gate is closed an end of said gate extends beyond said opening in overlapping relation to said fence, a pit beneath said gate adjacent to the opening in the fence in the region where the gate occupies an overlapping relation with the fence, means on said gate forming an elongate traction surface at the lower edge of the gate, a drive wheel mounted in said pit beneath said traction surface, said drive wheel being rotatable about an axis at right angles to the longitudinal axis of said surface, said wheel being provided with a resilient peripheral portion and being positioned to have such portion deformed into frictional engagement with said traction surface, a motor in said pit for operating said wheel, and a cover for said pit, said cover having an opening to receive the upper portion of said wheel.

2,346,389
BEVERAGE PRODUCTION
Ambrose A. Peters and Herbert W. Peters, Milwaukee, Wis.; Helene Peters administratrix of said Ambrose A. Peters, deceased
Application January 5, 1942, Serial No. 425,662
13 Claims. (Cl. 99—282)



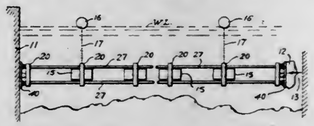
1. In a beverage producer, a stationary water heater having an inclined hot liquid discharge pipe rising from its uppermost portion and provided with a tapered socket at its upper extremity, a container for beverage producing granular material having a tapered lower central plug adapted to fit said pipe socket and being provided with a vertical down spout communicating with the space above said material and disposed closely adjacent to the container wall, and a portable receptacle for finished beverage formed symmetrical with respect to a central vertical axis and being disposable in vertical alinement with said spout and within the space produced by the inclination of said pipe.

2,346,390
MEANS FOR HANDLING CONTINUOUS MANIFOLDING PAPER
William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application December 26, 1941, Serial No. 424,452
7 Claims. (Cl. 197—126)



1. In a business machine for handling continuous form stationery and carbon sheets therebetween, the combination of a support frame mounted on a movable part of the business machine, a paper supporting frame pivotally mounted on said support frame, pivoted carbon detaining means mounted on said pivoted frame, means connecting said carbon detaining means to said support frame, and means for raising and lowering said pivoted frame thereby simultaneously actuating said detaining means.

2,346,391
STRUCTURAL MEMBER
Eugene Pitou, New York, N. Y., Joseph Huck, Cresskill, N. J., and Victor W. Meng, Hollis, N. Y., assignors to The Patent Scaffolding Co., Inc., Long Island City, N. Y., a corporation of New York
Application January 14, 1943, Serial No. 472,346
1 Claim. (Cl. 114—219)



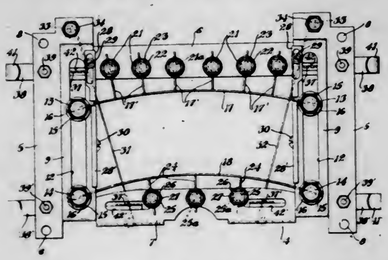
A structural member comprising a plurality of parallel assembly rings of annulus form axially spaced from each other, each of the assembly rings having pivoted clamping jaws disposed circumferentially thereon, openable outwardly, and having bolt connections thereon circumferentially intermediate of said clamping jaws, a plurality of tubular members held by said clamping jaws outwardly of said annulus, the axes of said

members being at right angles to the parallel planes of said annuli, a plurality of tanks held by said bolt connections within said annuli, and cap members, each having a flat face on one side and projections on the other side, one cap member for each end of the structural member, the projections being connected with the bolt connections of the end assembly rings, all of said parts being detachably connected with each other, the displacement and contents of said tanks being such as to provide buoyancy sufficient to substantially counterbalance the weight of said structural member when submerged.

2,346,392
WELL CASING AND METHOD OF MAKING IT
Edward J. Protin, Charleroi, and Joseph E. Simonin, Roscoe, Pa.
No Drawing. Application November 15, 1941, Serial No. 419,296
5 Claims. (Cl. 205—8)

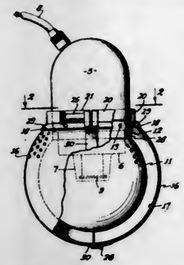
1. A well casing made of steel and having a ratio of diameter to wall thickness of less than about 30, the casing while cold having been uniformly stretched longitudinally beyond its yield point and thereby permanently elongated by applying tension to its ends, and consequent upon such stretching the metal of the casing being characterized by having its yield point in transverse compression materially higher than and its hardness and ductility substantially the same as in its hot worked condition, and by having its yield point in longitudinal tension greater than that in transverse compression, and the metal of the casing having uniform and like internal stresses throughout its wall thickness and as a consequence thereof being free from residual hoop stresses.

2,346,393
ADJUSTABLE DIE FOR FORMING CURVED BRICKS
Emmett A. Render, New Philadelphia, Ohio
Application December 6, 1941, Serial No. 421,946
2 Claims. (Cl. 25—112)



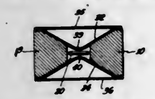
1. Die construction for forming curved bricks including a rectangular frame adapted for attachment to the exit end of an auger machine, vertically spaced curved knives extending laterally across the frame for forming curved upper and lower surfaces on the clay column issuing from the auger machine, means on the frame for adjusting the degrees of curvature of said knives, means securing the ends of said knives to the sides of the frame for lengthwise adjustment of the knives, and said securing means being vertically adjustable on said frame, whereby the knives can be adjusted toward and away from each other and the degree of curvature of each knife is independently adjustable.

2,346,394
SOUND PICKUP APPARATUS
Michael Rettinger, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application June 21, 1941, Serial No. 399,148
9 Claims. (Cl. 179—188)



1. In combination with a microphone having a housing and a movable element theren, a shield for said microphone comprising a casing having apertures therein, said casing and housing completely enclosing said movable element, a closely woven fabric contacting the surface of said casing, and a second casing surrounding said first casing and attached to said housing, said housing and said second casing completely enclosing said first casing, said second casing being also provided with a plurality of apertures, and having the same shape and being spaced from said first casing an equal distance at substantially all points including the points of attachment of said casings to paid housing.

2,346,395
SOUND PICKUP DEVICE
Michael Rettinger, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 4, 1942, Serial No. 441,593
7 Claims. (Cl. 179—138)

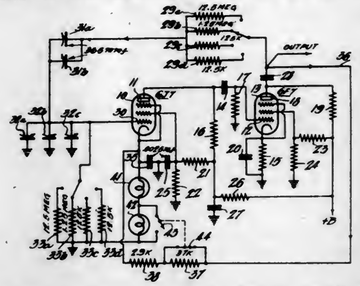


1. An electro-acoustical device comprising means for producing a magnetic field, a vibratile element mounted for movement in said magnetic field, said element having an optimum degree of excursion in said field, and means for simultaneously providing an acoustical impedance for said vibratile element and for limiting the excursion of said element within said field.

2,346,396
OSCILLATOR FOR SINE WAVES AND SQUARE WAVES
John F. Rider, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1942, Serial No. 449,069
4 Claims. (Cl. 250—36)

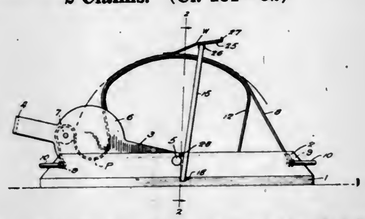
1. An oscillator for producing either a sine wave output or a square wave output which includes two amplifier tubes each having an input circuit and an output circuit, means for coupling the output circuit of the first of said tubes to the input circuit of the second of said tubes, resistor-capacitor means for regeneratively coupling the output circuit of said second

tube to the input circuit of said first tube, said regenerative coupling circuit having a frequency response such that it provides more regeneration at a predetermined frequency than at any other frequency, means for providing sufficient degenerative coupling between the output and input circuits of the second and first tubes, respec-



tively, to hold to a comparatively small amplitude any signal components other than the signal component at said predetermined frequency whereby a sine wave output is produced and switching means for reducing said degenerative coupling sufficiently to cause the oscillator to change its mode of oscillation and oscillate to produce a square wave output.

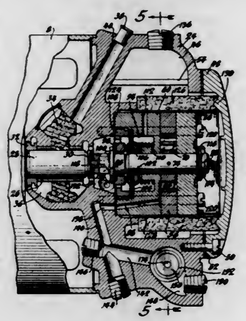
2,346,397
CIGARETTE-WRAPPING DEVICE
George L. Rogers, Inglewood, Calif., assignor to Ione Barian Rogers, Inglewood, Calif.
Application September 25, 1942, Serial No. 459,720
2 Claims. (Cl. 131—52)



1. In cigarette making apparatus having a platform, an apron positioned over the platform and a roller positioned intermediate the platform and apron, said roller mounted on a frame pivoted with respect to the platform, means for positioning a cigarette paper with respect to the platform comprising a frame pivotally mounted with respect to the platform, means for resiliently biasing said latter frame to a predetermined position over the platform, a table member for supporting papers mounted on said last mentioned frame, said table including a gauge member adapted to correctly align the paper thereon, the roller carrying frame being arranged to engage and retract the paper support frame as specified.
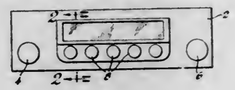
2,346,398
OIL BURNER
Henry C. Rohr and Peter R. Contant, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 17, 1940, Serial No. 346,033
6 Claims. (Cl. 103—42)

1. In an oil burner, a fuel supply unit including an electric motor having a motor frame and a motor shaft, a unitary housing secured to said motor frame and provided with a portion forming a closure for an end of said motor and a bearing for one end of said motor shaft, a pump chamber in said housing, a fuel pump unit in said chamber including pumping elements, a pump shaft, and sealing means for said pump shaft, a coupling between said motor shaft and pump



shaft, a recess in said housing between said motor shaft bearing and said pump unit to receive said coupling, and a drain passage extending from said recess through said housing to the outer side of said housing whereby said drain will serve to indicate any leakage of oil past said sealing means into said coupling recess.

2,346,399
TUNER
Bertram A. Schwarz and Ludwig J. Fichter, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 4, 1942, Serial No. 429,442
8 Claims. (Cl. 74—10)

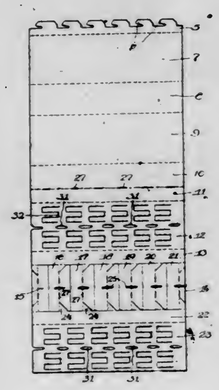


1. In tuning mechanism, means for tuning a radio receiver, pivoted means extending a substantial distance on each side of its axis connected to the tuning means to move the same, a plurality of spaced reciprocable and rotatable rods supported at right angles in at least one plane to the pivoted means, each having threaded portions of opposite sign, blocks threaded on each of the portions, means to prevent the blocks from rotating, spaced abutments each of which is carried by both the blocks of each reciprocating rod which project toward and engage the pivoted means to turn the same upon reciprocation of the rod, whereby rotation of one of the rods causes relative motion between the abutments carried thereby for adjustment.

2,346,400
CELLULAR EGG CARTON
Louis Schwartzberg, Chicago, Ill.
Application August 8, 1942, Serial No. 454,176
4 Claims. (Cl. 229—28)

1. An egg carton comprising an elongated blank of thin straw board folded transversely on spaced

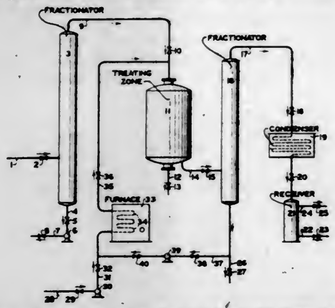
apart parallel lines to provide a cover with a depending attaching flap along its front margin, a back connected to, and depending from, the rear margin of the cover, a bottom connected to, and extending forwards from, the bottom margin of the back and disposed at right angles to said back, a front connected to, and extending upwards from, the front margin of the bottom and disposed in parallel relation with the back, a first strip of less height than the front connected to, and extending downwards from the top margin of the front and fitting against the inner surface of the upper portion of said front, a first false bottom of substantially the same size as the bottom connected to, and extending rearwards from the bottom margin of said first strip and disposed above and in parallel relation with the bottom, a second strip of substantially the same height as



the first strip connected to, and extending upwards from, the rear margin of the first false bottom and fitting against the inner surface of the upper portion of the back, a top of substantially the same size as the first false bottom connected to, and extending forwards from the top margin of the second strip and disposed above and in parallel relation with said first false bottom, a third strip of substantially the same height as the first strip, connected to, and extending downwards from, the front margin of the top and fitting against the inner surface of said first strip, and a second false bottom of substantially the same size as the first false bottom connected to, and extending rearwards from, the bottom margin of the third strip and directly overlying said first false bottom, said top being provided with a longitudinal series of three-sided slits in order to form transverse partitions and having the partitions bent downwards to form cells therebetween for eggs.

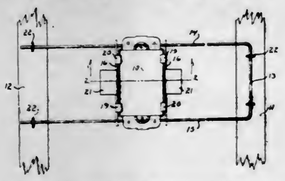
2,346,401
TREATING HYDROCARBONS
William B. Shanley, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 30, 1941, Serial No. 400,423
5 Claims. (Cl. 196—96)

1. A method for refining gasoline-containing vapors which comprises continuously passing a stream of the vapors through a bed of adsorbent refining agent, and, as the activity of said agent decreases, increasing the temperature of the refining treatment by adding to the vapor stream being passed through said bed a hydrocarbon oil



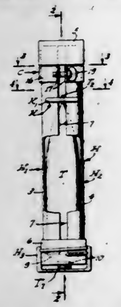
heavier than gasoline heated to higher temperature than the gasoline-containing vapors.

2,346,402
BOX HOLDER FOR ELECTRICAL OUTLETS
Elmer L. Snyder, Spencer, Iowa
Application November 20, 1940, Serial No. 366,394
10 Claims. (Cl. 220—3.9)



1. In a holding means for electrical outlet boxes, a U-shaped member, holding flanges each slidably threaded onto the generally parallel arms of said U-shaped member and comprising, a body portion, and a plurality of bendable ear elements designed to be bent over the side marginal edges of an outlet box for holding it in position.

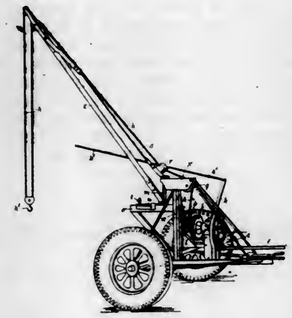
2,346,403
HOLDER FOR TOOTH PASTE TUBES
Ruth C. Stickney, Los Angeles, Calif.
Application February 14, 1941, Serial No. 378,922
1 Claim. (Cl. 221—60)



A device of the character described comprising: a holder for a tube of dispensable material formed of a pair of longitudinally separable mating members, each of which has an annular end portion and an arcuate body portion fixed thereto, said members being arranged so that an arcuate end of one member will telescopically engage an annular end of the other member, the annular

portion of one member having an opening through which the dispensing end of a tube of material may be extended, adjacent edges of said body portions being circumferentially spaced to provide diametrically opposite slots for reception of and for guiding an operating member attachable to the closed end of the tube of material.

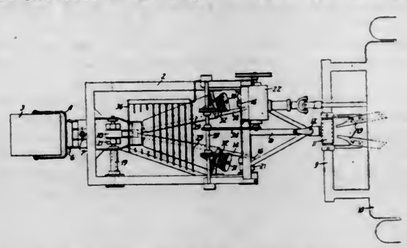
2,346,404
POWER-OPERATED LOADING GEAR FOR VEHICLES
Leslie Basil Thwaites, Cubbington, near Leamington Spa, England
Application February 26, 1943, Serial No. 477,270
In Great Britain October 19, 1942
1 Claim. (Cl. 212—65)



A mobile unit for lifting and lowering purposes comprising a wheeled support adapted for trailing connection with a motor vehicle having a power take-off, a crane carried by said support and including a winch and a slewing jib, said winch comprising a shaft, a winding drum loosely mounted on said shaft, a clutch for connecting said drum to said shaft, means for connecting said shaft with the power take-off of said vehicle, ambulatory flexible remote control means for said clutch, a block, load engaging means connected with said block, and a flexible cable threaded through said block and having one end anchored and the other end attached to said winding drum, said remote control means being of such length that a single operator at any point of a large area about said mobile unit may simultaneously hold said block and said remote control means, whereby said operator, without moving from a given spot in said area, may connect a load to said block and thereafter manipulate said remote control means to engage said clutch to wind the cable on the drum and thereby lift the load and may thereafter or simultaneously during the lifting walk to another spot while holding said remote control means and causing the load to move with him and at such spot release said control means to permit the load to descend.

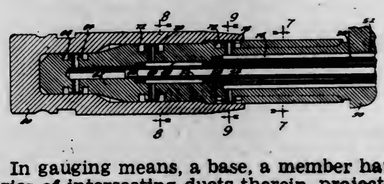
2,346,405
BEET HARVESTER
Vernon N. Tramontini, Davis, Calif., assignor to United States Beet Sugar Association, Washington, D. C., a corporation of Utah
Application March 8, 1941, Serial No. 382,364
9 Claims. (Cl. 55—106)

1. A beet harvester comprising a pair of diverging horizontal bars, a vehicle on which the bars are arranged substantially at ground level, means on the vehicle for imparting to the bars rapidly recurring cycles of forward motion to seize the beet in the angle between the bars and



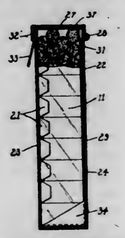
upward motion to lift it from the ground, and a blade on each bar to break up the ground below the bar to soften the impact of the bar thereon.

2,346,406
GAUGE
Manfred G. Wright, Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 5, 1943, Serial No. 493,499
13 Claims. (Cl. 33—178)



1. In gauging means, a base, a member having a series of intersecting ducts therein, projectable means carried by the member and connected to a portion of the ducts, said projectable means having a plurality of means for gauging different dimensions, a plurality of pressure actuated means connected to others of said ducts and indicating means carried by the base operated by said pressure actuated means.

2,346,407
COMMODITY PACKAGE FOR CIGARETTES AND THE LIKE
Thomas E. Wright, Chicago, Ill.
Application August 18, 1941, Serial No. 407,254
1 Claim. (Cl. 206—41.2)



A cigarette package of pocket size for "fifties" quantity comprising a wrapper formed to provide a container of flat elongated shape in which the cigarettes are packed one against another in rows extending lengthwise of the container and the cigarettes of each row are packed directly against those in the adjoining row or rows, the container serving to support the cigarettes in the described relation and being hermetically sealed, and means associated with the wrapper

for removing the top end of the container throughout the width thereof to permit removal of the uppermost cigarettes, said means providing for removing definitely limited sections of the wrapper progressively section by section from said upper end toward the opposite end for access to the cigarettes in the lower strata, whereby only the cigarettes at the top end of the container are exposed to the atmosphere when the container is open and cigarettes in the lower strata are maintained in shape and substantially air-tight by the sealing contact of the cigarettes one against another in the upper strata, an outer protective container open at one end to telescopically receive the inner container, a cover hinged to the outer container adapted to close said end opening and movable to an open position to provide access to the top end of the inner container, a stiff exterior supporting tray for receiving the bottom portion of the inner container and separable therefrom so as to be usable with refill inner containers, and a tape fixed at one end to the back wall of the outer container adjacent to the top thereof and passing down around the bottom of the tray for sliding coaction therewith, thence upwardly along the front of the inner container and having its free end emanating from the top portion of the outer container, whereby the tape may be pulled to progressively eject the inner container so that said sections thereof may be progressively removed.

2,346,408
PUTTY
Frederick W. Andrews, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 23, 1939, Serial No. 310,841
3 Claims. (Cl. 260—753)

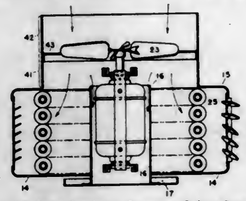
1. A putty comprising approximately 10% by weight of reclaimed rubber; approximately 75% by weight of whiting; approximately 5% by weight of linseed oil; and approximately 10% by weight of gasoline.

2,346,409
COATING COMPOSITION
Gilbert R. Anderson, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 22, 1941, Serial No. 389,734
7 Claims. (Cl. 106—227)

1. An oil varnish comprising a rosin acid ester of a member of the group consisting of polypentaerythritols alone and polypentaerythritols in admixture with pentaerythritol with the quantity of polypentaerythritol in excess of 25% of the mixture of pentaerythritol and polypentaerythritols, in which the acid groups of the ester consist of abietic acid groups, and a drying oil.

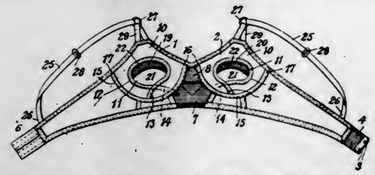
2,346,410
UNIT HEATER
Carlyle M. Ashley and Blaise B. Mooney, Syracuse, N. Y., assignors to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application August 21, 1941, Serial No. 407,820
4 Claims. (Cl. 257—137)

2. A unit heater of the character described comprising an outer casing substantially square in form, outlets in the casing, a coil substantially round in conformation positioned within and spaced from the sides of said casing, said casing substantially completely surrounding said coil, a motor assembly positioned within and substantially surrounded by the coil, a shield surrounding said motor to form a barrier between the motor and the coil and a passage for the flow of air over the motor, a fan mounted on the shaft of



the motor, said fan being formed to draw air from above the unit and discharge it through and in contact with said coil and into the area between the coil and the surrounding casing, said area forming a plenum in which an outward pressure is built up so that the total coil area is effectively employed for heat exchange between the coil and the air passing therethrough regardless of the extent to which the outlets are opened.

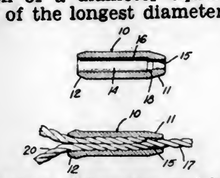
2,346,411
BRASSIÈRE
Abraham S. Becker and Victor I. Becker, Los Angeles, Calif.
Application July 3, 1943, Serial No. 493,376
2 Claims. (Cl. 2—42)



2. In a brassière, a body portion having a breast-covering area provided with an inner breast section formed with a breast opening, said inner breast section being surrounded by an arcuate seaming reinforcement having one end located at the upper edge of the garment adjacent to the vertical center line thereof, said seaming reinforcement extending downwardly on a curved line and thence upwardly to reach and have its other end terminate at the upper edge of the garment remote from the center thereof, the lowermost extension of said reinforcement being spaced above and away from the lower edge of the garment, said orificed inner breast section having unsecured overlapped parts maintained in overlapped relation well above the lower edge of the garment by said arcuate seaming reinforcement, and a fixed cupped outer covering member having its lower edge engaged in and maintained by said arcuate reinforcement, said cupped outer member overlying the orificed inner breast section and constituting a non-adjustable, permanently shaped outer covering member.

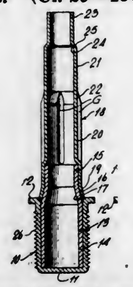
2,346,412
METHOD AND MEANS FOR HOLDING END LOOPS IN CABLES
Otto J. Bratz, Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application April 25, 1942, Serial No. 440,545
6 Claims. (Cl. 29—148)

1. A ferrule consisting of a tubular sleeve provided with a bore of generally elliptical cross section of uniform diameters terminating at one end of the sleeve in a section of generally circular cross section of a diameter equal substantially to one-half of the longest diameter of said bore.



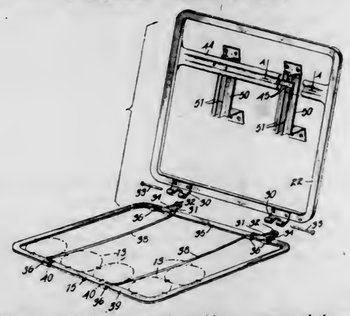
5. The method of forming and holding an end loop in a cable which consists in providing a ferrule in the form of a sleeve provided with a through-bore comprising sections of different diameters and cross sectional shapes, a shoulder between said sections of said bores, the smaller bore being located at one end of the ferrule and having a circular cross section of a diameter slightly larger than that of the cable and the larger section of the bore extending through the length of the body portion of the ferrule and being of elliptical cross section of the same diameters throughout its length and of a larger diameter slightly greater than twice the diameter of the cable, inserting the end of the cable into the bore of smaller diameter and pushing the end of the cable through the ferrule and beyond the end of the ferrule a distance to provide material for forming a loop, bending the end section of the cable into the form of a loop and the end of the cable against the body of the cable and inserting the end of the cable into the larger bore and pushing the same into the ferrule to a point limited by the shoulder between the bores of different diameters, and then swaging the body of the ferrule into circular form and impacting the same upon the two courses of cable until the two courses of cable together assume a circular cross sectional shape.

2,346,413
METHOD OF MANUFACTURING INSERTS FOR VALVE STEMS
Lewis C. Broecker, Nichols, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application January 20, 1942, Serial No. 427,402
7 Claims. (Cl. 29—157.1)



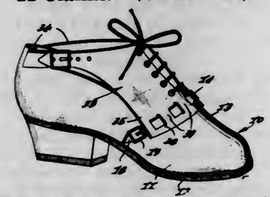
1. That improvement in the process of preparing inserts for valve stems from sheet metal comprising, providing interfitting tubular members of sheet metal, one of said members having an end closure, coating surfaces of each of said members with a metallic coating having a lower melting point than that of said members, then assembling said members in interfitting relationship, with a surface of one in contact with a surface of another of said members, then heating the assembled members to melt the coatings on surfaces in contact with each other and to weld said members together, next shaping the external surface of said interfitting tubular member having an end closure to receive a dust cap, and thereafter removing said end closure, whereby said end closure serves as a temporary support during such preparation.

2,346,414
VEHICLE SEAT
Homer C. Carpenter, Royal Oak, Mich., assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn., a corporation of Connecticut
Application November 9, 1940, Serial No. 365,073
8 Claims. (Cl. 155—53)



1. In a cushion construction comprising a seat cushion including cushioning means and an upper rectangular open frame supported by said cushioning means, a back support, and a seat back supported thereon for guided movement in a substantially vertical plane, said seat back having a back frame or base, means connecting the base of the seat back to the upper frame of the seat cushion for movement therewith, said means comprising hinge members, one of said hinge members being secured to said base of the seat back and the other hinge member being formed of a rod coiled intermediate of its ends to form a pintle receiving eye, one of said ends extending under the rear cross member of said upper frame and the other end extending under and spanning the rear and front cross members of said upper frame, and means securing said ends respectively to said rear and front cross members of said upper frame.

2,346,415
FOOTWEAR
Hilliard H. Clein and Robert T. Kauffman, New York, N. Y.
Application October 9, 1943, Serial No. 505,610
11 Claims. (Cl. 36—1.5)



1. In footwear of the class described, the combination of a fundamental pump and a detachable member associated therewith; the pump containing a sole and an upper attached to the sole; the said member comprising a front portion detachably connected to the forward part of the pump upper, and a strap portion extending rearwardly from said front portion and detachably connected to the rear part of said upper.

2,346,416
TREATMENT OF RESIN OILS
Edwin Louis Cline, Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application January 14, 1941, Serial No. 374,399
8 Claims. (Cl. 260—23)

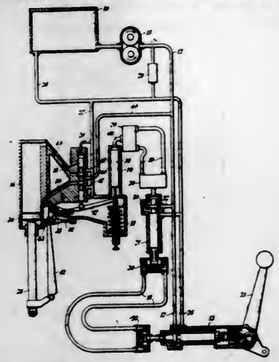
1. In a process for the production of resin involving subjecting oil containing at least one polymerizable resin-forming constituent of the group consisting of coumarone and indene to the action of sulfuric acid polymerization catalyst, neutralizing the oil and distilling the oil to recover the resin therefrom, the improvement which comprises heating said oil after said polymerization is effected in the presence of a salt of an organic carboxylic acid and a metal selected from the group consisting of alkali metals, alkaline earth metals, magnesium and zinc.

2,346,417
SHRINKABLE ARTICLE AND PROCESS OF PRODUCING THE SAME
Ralph T. K. Cornwell and Charles M. Rosser, Fredericksburg, and John A. Yourtee, Arlington, Va., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application May 17, 1941, Serial No. 394,034
7 Claims. (Cl. 117—15)

3. The process of producing shrinkable articles capable of use as container closures, sausage casings and the like comprising impregnating a tubular member formed of shrinkable non-fibrous hydrophilic material with an aqueous solution of a hygroscopic plasticizer selected from the group consisting of sugar alcohols, monoses, dioses and water-soluble sugar derivatives, the sugar alcohols and monoses containing at least four carbon atoms, drying the impregnated member until it is free from surface moisture, printing upon the dried surface in predetermined areas, and coating the printed surface with a composition comprising a film-forming base selected from the group consisting of drying oils, drying-oil-modified resins and heat-hardenable resins, and drying to harden the base and form a water-permeable coating, said water-permeable coating and said hygroscopic plasticizer coacting to permit the article to swell in water and to shrink on drying without the coating peeling therefrom.

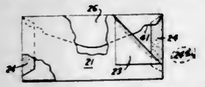
2,346,418
FLUID OPERATED MEANS FOR CONTROLLING APPARATUS AT A DISTANCE
Edward Dodson, Puriton, near Bridgwater, England
Application February 18, 1942, Serial No. 431,345
In Great Britain October 1, 1941
5 Claims. (Cl. 121—41)

1. A receiver unit for attachment to the pipe line of a fluid-pressure-operated remote control system of the kind specified, comprising a cylinder to communicate with the pipe line, a sensitive piston in the cylinder exposed at one end to the fluid pressure in the pipe line, a balancing spring operating on the other end of the sensitive piston, a chamber containing said spring, an air vent pipe extending into the interior of said chamber from the top thereof, a deflector arranged to prevent escape of leakage fluid from the chamber through the air vent pipe in the event of the apparatus being turned upside down, a hydraulic servo-motor, a relay valve for controlling the same, and a swinging



link operatively connected at its ends to the sensitive piston and to the power piston and at an intermediate point to the relay valve.

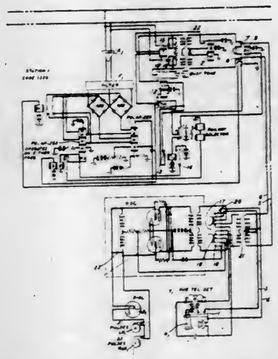
2,346,419
MAILING ENVELOPE
Newell F. Dunlop, San Francisco, Calif.
Application January 26, 1942, Serial No. 428,264
3 Claims. (Cl. 229—68)



1. In an envelope formed from an integral blank of flexible material and having a front wall and a rear wall relatively overlying and connected at their bottom edge and at their opposite ends to provide an envelope pocket open at an upper edge, a generally triangular closure flap connected to one of said walls and having a peak centrally intermediate the ends of its free edge and having its base connected to said one wall on a fold-line whereby said flap may be folded into an overlying relation to at least a portion of said front and rear walls, the free edge of said closure flap being inclined from said peak toward the opposite side ends of said envelope at an angle of incline which would intersect the base line of the flap beyond the side edges of the envelope if said lines were extended, said free edge of the flap having at its opposite ends an ogee curve providing a shoulder and an adjoining indent scallop, the shoulder portion being more nearly adjacent to the end of the sealing flap.

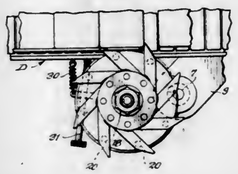
2,346,420
SELECTIVE SIGNALING AND LOCKOUT SYSTEM
Ferdinand S. Entz, Mount Kisco, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,095
1 Claim. (Cl. 179—31)

In a selective signaling system, a line, a plurality of stations associated therewith, means at each station for selectively transmitting over said line different groups of code impulses of electrical oscillations within the voice frequency range, other means comprising a step-by-step switching device at each station for receiving and translating said transmitted code impulses, all of said switching devices being adapted to take a common setting in response to a first predetermined code transmitted, a different common setting in response to another code, and each device being adapted to take still another setting in response to a predetermined individual code, a telephone set including a signal device at each station, means responsive to taking any one of said telephone sets for use to connect it to the line, means



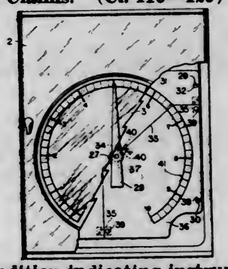
at all stations responsive to a said first common setting of the switching device thereat to disable the associated connecting means, other means at each station responsive to an individual predetermined setting of the switching device to enable the line connecting means at that station, and still other means responsive to said second common setting of said switching device to enable the connecting means thereat, if disabled.

2,346,421
CONTAINER HANDLING APPARATUS
Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application December 29, 1942, Serial No. 470,441
4 Claims. (Cl. 198—34)



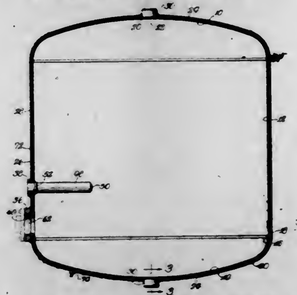
1. In a star wheel of the class described, the combination of a hub; spaced upper and lower discs concentric with said hub and of a diameter greater than that of said hub, said discs being angularly movable relative to one another about the center of said hub; a plurality of fingers located between said discs and projecting outwardly beyond the peripheries thereof; a plurality of pivot studs carried by one of said discs about each of which one of said fingers is freely pivoted; a plurality of guiding elements carried by the other of said discs, each of said fingers having an opening therein adapted to slidably receive one of said guiding elements; and means for securing said discs in various positions of relative angular adjustment whereby in each of said positions said fingers will project beyond the periphery of said discs to a different extent.

2,346,422
INDICATING INSTRUMENT
Louis Gess, Jenkintown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 14, 1941, Serial No. 414,923
2 Claims. (Cl. 116—129)



1. In a condition indicating instrument having a casing containing condition actuated means having adjusting means therefor, the combination of a shaft operated by the condition actuated means, a pointer carried by the shaft, a scale plate located in front of the condition actuated means and between the condition actuated means and the pointer for cooperating with the pointer to indicate the value of the condition, said scale plate being formed of two sections and having an opening along their contiguous edges for accommodating the shaft, and means for removably securing the sections of the scale plate to the casing to permit access to the interior of the casing for adjusting the adjusting means of the condition actuated means without disturbing the pointer.

2,346,423
LINED TANK AND METHOD OF CONSTRUCTING AND LEAKAGE TESTING THE SAME
Percy Gray, Jefferson, Iowa
Application December 2, 1940, Serial No. 368,235
3 Claims. (Cl. 73—51)

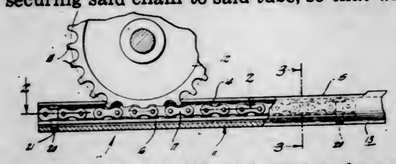


3. A vessel for holding fluid under pressure, having a rigid jacket of relatively hard metal, and a liner of relatively ductile, impervious material in close contact with the jacket, said lining being sealed to the jacket at all edges, and said vessel having a partial vacuum between the jacket and liner.

2,346,424
RACK MECHANISM
Clifford J. Griffith, Dimondale, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application January 2, 1943, Serial No. 471,186
3 Claims. (Cl. 74—29)

1. In a rack mechanism the combination of: a sprocket; a tube having a slot formed longitu-

dinally therein, said slot being adapted to receive said sprocket; a section of chain in said tube of the same pitch as said sprocket; means for securing said chain to said tube, so that when



said sprocket extends into said slot and meshes with said chain, said chain and said tube together form a rack, the edges of said slot engaging said sprocket to maintain said sprocket in proper alignment with said chain.

2,346,425

STABILIZATION OF ORGANIC COMPOUNDS

Edward C. Kirkpatrick, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 24, 1940, Serial No. 371,591

3 Claims. (Cl. 260—553)

1. A stabilized solid composition of matter, urea containing from 0.0001 to 1.0% by weight of caffeine.

2,346,426

FLEXIBLE ROTARY DRIVE COUPLING

James M. Hait, San Gabriel, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application October 30, 1941, Serial No. 417,083

4 Claims. (Cl. 287—75)



1. In a high-torque, high-tension flexible rotary drive coupling, the combination of: a section of heavy twisted steel wire rope having high torque and tension load transmitting factors; a pair of steel heads having high torque and tension load transmitting factors, said heads having axial sockets in which opposite ends of said rope are received and securely fastened; and means on said heads for transmitting simultaneously high torque and high tension loads through said coupling while said heads are misaligned.

2,346,427

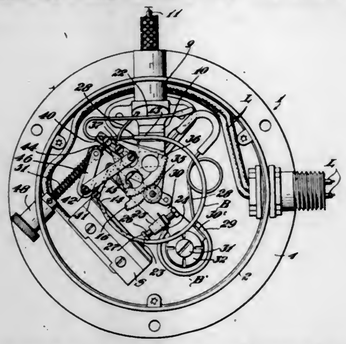
INDICATING THERMOSTAT

Elmer H. Hammond, Fairfield, and Albert J. Doser, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application December 30, 1942, Serial No. 470,532

15 Claims. (Cl. 200—56)

1. In an instrument of the class described two relatively movable devices, one of said devices being an electrical switch of the snap-action type having an actuating element and the other of said devices being a Bourdon tube having a movable tip, and means for transmitting movement of the tube tip to the switch-actuating element, one of said devices being fixed, and a rotatable support



for the other of said devices, and means for swinging the support comprising a manually rotatable element, an index so connected to said manually rotatable element as to move concomitantly with the latter, and intermeshing gear elements operative to transmit motion from the rotatable element to the support.

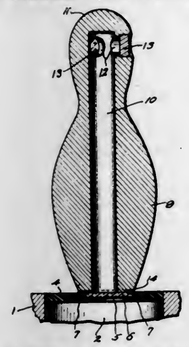
2,346,428

BOWLING GAME

Newton Hanley, Los Angeles, Calif.

Application September 4, 1942, Serial No. 457,341

6 Claims. (Cl. 273—37)



1. A bowling game of the character described comprising a pin including a head having a plurality of radial windows therein, lenses in the windows, and means for illuminating the windows from within the pin.

2,346,429

SOUND REPRODUCING AND RECEIVING DEVICE

Frank Harrison, Braintree, England

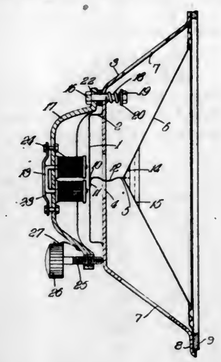
Application February 11, 1942, Serial No. 430,450

In Great Britain December 20, 1940

2 Claims. (Cl. 177—386)

1. In a device of the character described, the combination comprising a chassis, a cone diaphragm, a resilient mounting for the periphery of said cone, a sheet iron armature associated with said chassis, a resilient stem secured to one face of said armature and to the apex of said

cone, a magnet system operatively associated with said armature, a bridge in which said magnet system is mounted, said bridge being arranged to rock about one end, and having a hole therein at said end, a pin passing through said hole and an aligned hole in the chassis, a spring



carried upon said pin, said spring serving to yieldably draw said bridge against said chassis so that the bridge seats against the chassis, and adjusting means associated with the other end of said bridge for adjusting said magnet system relatively to said armature against the drawing action of said spring.

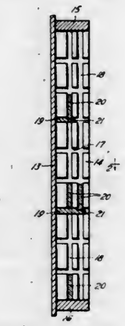
2,346,430

DRUGGIST'S CABINET

Herbert Joseph Hauser, Hamilton, Ontario, Canada

Application April 22, 1943, Serial No. 484,041

3 Claims. (Cl. 312—156)



1. In a compartment, side pieces of the compartment having opposed pairs of horizontal grooves spaced one above the other, a removable shelf selectively disposed in one pair of horizontal grooves and adapted to slide freely in and out of said pair for elevational rearrangement in another pair, a pair of opposed vertical grooves in said side pieces and intersecting the horizontal grooves, said shelf having a frontal portion reduced in thickness whereby a riser is provided between the reduced portion and the normally with the inside edges of the vertical grooves, a partition or guard loosely arranged in the vertical grooves and resting on the reduced portion of the shelf and abutting said riser whereby the thick portion, said riser being in a vertical plane shelf is positionally locked.

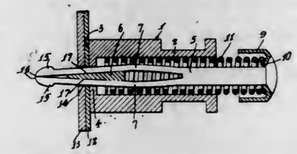
2,346,431

FASTENER

Ralph H. Head, Los Angeles, Calif.

Application July 14, 1942, Serial No. 450,845

3 Claims. (Cl. 85—5)



1. In a fastener, a body, a bifurcated pin slidably mounted in said body, projections on the external end of said pin, tension means for clamping materials between said body and said projections, and a spreader to maintain the arms of said bifurcated pin in separated position when said fastener is in clamping position, said spreader being tapered to permit the said arms to substantially contact each other when said fastener has said bifurcated pin extended for insertion in a hole.

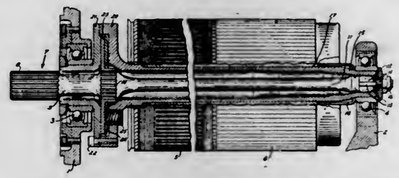
2,346,432

TORSIONAL VIBRATION DAMPER

Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application November 10, 1942, Serial No. 465,110

2 Claims. (Cl. 64—1)



1. In a machine adapted to be rigidly mounted on and driven from a pulsating power source, a rotor rigidly mounted on a stiff tube, end bearings for said tube supporting said rotor in said machine, a resilient drive shaft in said tube, one end of said shaft being connected with one end of said tube and the other end of said shaft extending from the other end of said tube for external driving connection, a friction plate rigidly secured to said tube adjacent said other end thereof, a friction plate mounted on said shaft so as to assume the torsional and lateral vibrations thereof, and means to maintain frictional engagement between said plates to dampen said vibrations, said extending end of said shaft having torsional and lateral freedom of vibration under the restraint of said damping action.

2,346,433

FOLDER FOR BILLS, COINS, OR THE LIKE

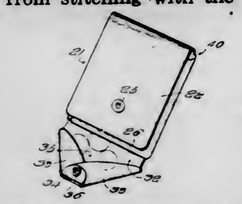
Henry M. Herbener, Thomasville, Ga.

Application November 18, 1941, Serial No. 419,629

10 Claims. (Cl. 150—35)

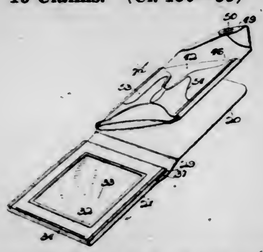
7. A bill folder comprising a bill receiving unit including connected sides, one side being foldable transversely over the other side, a partition unit carried by one side and foldable longitudinally over such side, said partition unit including a pocket for receiving coins or the like, said pocket including opposed flexible sides having its outer end open, a flexible flap carried by one pocket side adjacent to the open end of the pocket and

foldable upon a transverse line adjacent to the open end of the pocket over the open end, said flap having its material folded inwardly upon itself upon outwardly converging diagonal lines for providing tongues disposed upon the inner face of the flap and causing the flap to taper outwardly and have outwardly converging folded edges, the tongues terminating substantially short of the folding line of the flap, the tongues being free from stitching with the flap, means



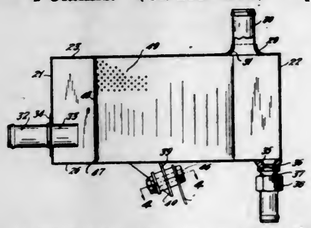
connecting the adjacent ends of the tongues and free from connection with the flap, means forming longitudinal key receiving pockets upon one pocket side, the last named pocket side being flexible between the longitudinal key receiving pockets when such pockets hold keys, the arrangement being such that when inward pressure is transversely arched and the tongues tend to pocket sides are transversely arched and the flap is applied to the edges of the pocket sides, such separate from the flap.

2,346,434
BILL FOLDER OR THE LIKE
Henry M. Herbener, Thomasville, Ga.
Application July 3, 1942, Serial No. 449,631
15 Claims. (Cl. 150—35)



1. In a folder, a first side having inwardly extending long longitudinal tongues near its longitudinal edges, said long tongues extending substantially to the outer end of the first side and having their opposite ends terminating short of the inner end of the first side, said first side having a transverse tongue at its outer end, a second side arranged upon the inner face of the first side and having its longitudinal edges disposed beneath the long tongues, the second side having short longitudinal tongues folded inwardly upon the inner face of the second side, a third side carried by the inner end of the second side and foldable upon a transverse line over the second side, the short tongues substantially meeting the long tongues and extending substantially to the transverse folding line, the third side being arranged upon the long and short tongues, a line of stitching adjacent to each longitudinal edge of the third side and passing through the second side and the short tongue and the long tongue and the third side only, the second side and first side forming a pocket between them which is open at its inner end adjacent to the short tongues, ready access being had to the open end of the pocket by bending the second and third sides from the first side, the bending occurring substantially at the meeting ends of the short and long tongues, the transverse tongue of the first side being folded over the inner face of the second side and thereby covering the outer end of the pocket.

2,346,435
SEPARATOR
James P. Johnson, Shaker Heights, Ohio
Application April 4, 1941, Serial No. 386,774
4 Claims. (Cl. 183—109)



1. An oil separator for use on aircraft or the like, for separating oil from oil ladened air comprising: a closed elongated container having an inlet port on one end thereof through which oil ladened air may be introduced under pressure and having at the other end thereof an air outlet port for the discharge under pressure of oil freed air; a relatively thin sheet material baffle member disposed transversely within said container for dividing the latter into a first compartment containing said inlet port and a second compartment containing said outlet port, said baffle member being formed with a hollow closed end and relatively long gradually curved diverging side walls disposed perpendicularly to and extending between the top and bottom of the container, said baffle member extending from adjacent said inlet port to adjacent said outlet port, the closed end of said baffle member being disposed in a perpendicular plane centrally with respect to said inlet port but in closely spaced relation whereby the incoming oil ladened air is divided into a plurality of swirling streams, said walls being perforated transversely to permit the flow of oil and air therethrough, the oil particles adhering to the wall surfaces and flowing downwardly to the bottom of said second compartment, the separated air flowing into said second compartment and being discharged under pressure through the outlet port, said walls affording relatively large surfaces so disposed with respect to the incoming oil ladened air that the velocity of the latter is materially reduced to effect separation of the oil and air without appreciable pressure loss; and means in communication with said second compartment to afford drawing off the separated oil.

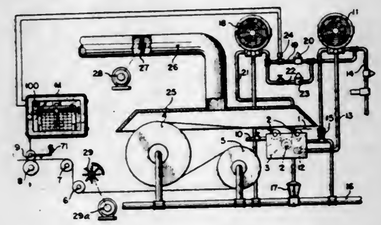
2,346,436
BRACING DEVICE FOR GRAIN DRILL HOPPERS
Karl H. Krause, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Ltd., Toronto, Ontario, Canada, a limited company of Canada
Application May 2, 1940, Serial No. 332,942
1 Claim. (Cl. 220—71)

An elongated grain drill hopper of the class described, having an opening at its top for substantially its length for the reception of grain, one or more hinged lids adapted to cover said opening, the side panels of said hopper being uniform for their length, a bottom portion thereof diverging upwardly and a top portion converging upwardly, bracing means secured to said side members at substantially the widest space



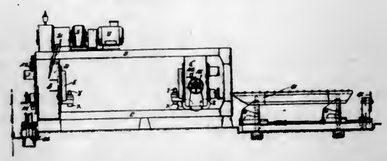
therebetween, said bracing means comprising a number of spaced diagonally arranged bars being positioned so adjacent ends are in substantial transverse alignment, cross bars forming a connection between said adjacent ends.

2,346,437
MOISTURE CONTROL SYSTEM
Anker E. Krogh, Mount Airy, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 10, 1939, Serial No. 289,404
43 Claims. (Cl. 34—25)



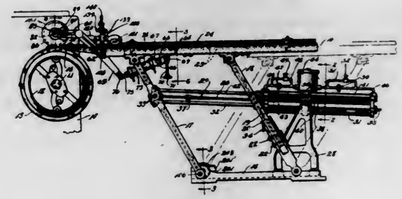
8. The method of controlling a slasher having a drive means which comprises the steps of measuring the moisture content of yarn that has been dried by the slasher, controlling the speed of said drive means for said slasher in response to said measurements, and interrupting the speed controlling operation in timed relation to the speed of the slasher.

2,346,438
APPARATUS FOR DETWISTING METAL SECTIONS
Norman Cecil Lake, Stockton-on-Tees, England, assignor to Head, Wrightson & Company, Limited, Thornaby-on-Tees, England
Application September 17, 1941, Serial No. 411,229
In Great Britain August 15, 1940
5 Claims. (Cl. 153—78)



1. Apparatus for de-twisting metal sections comprising a frame, a first gripping head having an outer body rigidly mounted in said frame and a rotatable gripper holder, a second gripping head, the rotatable gripping holder being open for insertion of the sections through the rotatable gripping holder at the end opposite to the second gripping head, means for preventing rotation of said second gripping head while leaving it free to travel towards and from said first gripping head under the action of a section being detwisted resulting in a tendency to change the length of said section, said means comprising wheels carried by said second gripping head and bearing vertically on said frame, and steadying rollers bearing laterally on said frame, and a gripping holder fixed in said second gripping head.

2,346,439
TIRE-BUILDING APPARATUS
Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 12, 1941, Serial No. 402,119
7 Claims. (Cl. 154—10)



1. Apparatus for applying a slab of rubber-like material about the surface of a rotatable building drum, said apparatus comprising a transfer table for supporting a slab in alignment with the drum, power-operated means for moving the table toward and away from the drum to present the slab to the face of the drum, and roller means carried by the table for applying the slab progressively to the drum, said last-named means comprising a pressing roller, means for applying a constant pressure thereto toward the face of the drum throughout a major portion of the arc of rotation of the drum, and means for increasing the pressure over a determinate arc of rotation of the drum.

2,346,440
METHOD OF IMPROVING THE ADHESION OF RUBBER TO FIBROUS MATERIALS AND PRODUCT THEREOF
Edward T. Lessig, Silver Lake, and Edward N. Cunningham, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 3, 1941, Serial No. 400,964
16 Claims. (Cl. 154—2)

1. In a method of making a composite product comprising rubber and fibrous material in adhering relationship, the steps comprising coating the fibrous material with rubber containing a member of the class consisting of thiophenols and aromatic thioethers, associating the coated fibrous material with unvulcanized but vulcanizable rubber, and vulcanizing the rubber in the composite structure, whereby improved adhesion between the rubber and the fibrous material is obtained.

11. A composite product comprising fibrous material, a layer of rubber containing a member of the class consisting of thiophenols and aromatic thioethers contiguous to the fibrous material, and a second layer of rubber contiguous to the first said layer.

2,346,441

PROCESS FOR SEPARATING GAS MIXTURES

Samuel B. Lippincott, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application February 14, 1941, Serial No. 378,959
9 Claims. (Cl. 260—644)

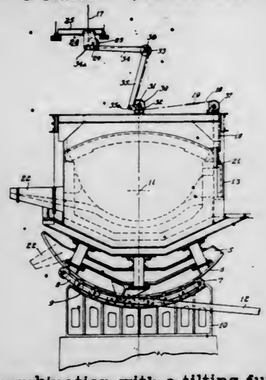
1. In the process of separating lower alkanes and nitric oxide from gaseous reaction products derived from the vapor phase nitration of lower alkanes, the step which comprises removing the lower alkenes present by contacting said reaction products with an absorbent solution for said lower alkenes while being inert towards the non-alkene components of said reaction products, whereby the explosion hazard is eliminated.

2,346,442

DOOR OPERATING MECHANISM FOR TILTING FURNACES

Harry L. McFeaters, New Castle, Pa., assignor to Pennsylvania Engineering Works, a corporation of Pennsylvania

Application August 28, 1943, Serial No. 500,337
5 Claims. (Cl. 266—24)



1. The combination with a tilting furnace having a vertically movable door on one side and a pouring opening on the opposite side, of a hoisting unit mounted independently of the furnace, a hoisting line operated by such unit and extending therefrom to said door, three spaced hoisting line contact members which are partially encircled by the hoisting line and are arranged at spaced positions between the hoisting unit and said door, with the intermediate support member out of line with the other two to form a loop in the hoisting line, and means constructed and arranged to support such out of line member and compensate for such changes in the lengths of the arcs of contact between the hoisting line and such members as occur during tilting of the furnace to pouring and slagging positions.

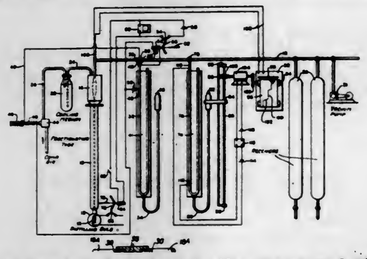
2,346,443

FRACTIONATING APPARATUS

Wallace A. McMillan, Forest Hills, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 5, 1940, Serial No. 359,853
4 Claims. (Cl. 202—160)

1. Distillation apparatus comprising in combination a fractionating column, a vapor offtake from said fractionating column, a mercury manometer having one leg communicating at its upper end with said vapor offtake and responsive to pressure therein, means for adjusting the height of mercury in said manometer comprising a reservoir adapted to contain mercury and a flexible tube connecting said reservoir with the bottom of said manometer, means for recording the pressure of fractionation in said column, a vertically disposed rotatable screw, a member threaded on said screw and attached to said reservoir so as to support said reservoir, an electric motor connected to drive said pressure recording means and to rotate said screw, an electrical contact in the lower end of said manometer, a



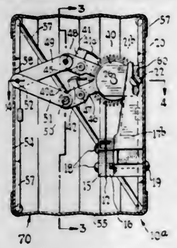
second electrical contact in the upper end of said manometer leg, and an electric circuit including said contacts, a relay, a source of electricity and said motor, the arrangement being such that as the pressure increases in said offtake the mercury will be depressed in said manometer leg to a point below said second electrical contact whereupon said electric circuit will be broken to said relay, said relay being arranged to start the electric motor when the manometer circuit is broken to cause said motor to drive said pressure recording means and simultaneously therewith to rotate said screw to elevate said reservoir.

2,346,444

MUSICAL DEVICE

Leon G. Machlin, New York, N. Y., and Elias B. Kriegsfeld, Jersey City, N. J., assignors to Metal Tone Corp., Jersey City, N. J., a corporation of New Jersey

Application January 29, 1942, Serial No. 428,690
8 Claims. (Cl. 84—95)



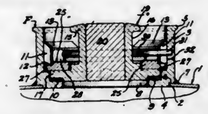
1. In a musical device of the class described the combination of a shaft, a laminated drum member having projections thereon, and rotatably mounted on said shaft, a reed unit comprising a plurality of reeds, means for fixedly supporting said reed unit so that said reeds will lie in the path of rotation of said projections, means for causing said drum to rotate, said last named means comprising a bellows, a spring normally tending to urge said bellows to expanded position, and a lazy tongs device, one end of said lazy tongs being fixed to a wall of said bellows and the other end of said lazy tongs being attached to said drum shaft and being relatively rotatable with respect to said drum.

2,346,445

CONTAINER

Herman Merker and Howard L. Newton, Milwaukee, Wis., assignors to Pressed Steel Tank Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 25, 1942, Serial No. 452,282
5 Claims. (Cl. 217—107)



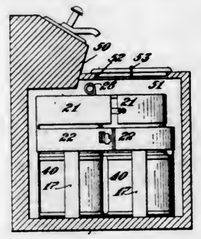
1. A barrel having an opening, a barrel fitting for said opening, said barrel fitting having an inwardly extending flange at its lower end presenting an upwardly facing gasket seat, a gasket on said seat, a tubular tap fitting positionable within the barrel fitting and engageable with said gasket, said tap fitting having an outturned flange on its upper end adapted for cooperation with a standard tap, a camming ring fittable over the tap fitting and positionable within said barrel fitting and having camming lugs, said barrel fitting having camming lugs cooperable with the camming lugs of the camming ring to force the tap fitting into compressing and sealing relation with the gasket, and a spring lock carried by the camming ring and cooperable with the barrel fitting to releasably retain the camming ring in the position wherein it clamps the tap fitting in sealing position.

2,346,446

ICE CREAM CAN CONTAINER

Homer J. Messier, New Bedford, Mass.

Application March 5, 1942, Serial No. 433,421
9 Claims. (Cl. 211—71)



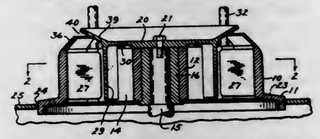
3. A container adapted to receive ice cream cans arranged in two columns of two cans each, said container comprising a frame which encloses the lower cans, a flexible band secured to the upper end portions of said frame for enclosing the upper cans, said band and frame each comprising two detachably joined sections, one end of each band section being horizontally slotted adjacent each other to provide upper clamping arms, and means carried by said arms by which the ends of the arms are moved toward or from each other into and out of can clamping position, said means comprising a key pivotally mounted upon one arm near the end thereof and having U-shaped offset portion, a strap pivotally secured at one end to the offset portion of said key, and means for attaching the other end of the strap to the other arm near the end thereof.

2,346,447

WIRE DRAWING BLOCK

Weld Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application November 27, 1942, Serial No. 467,083
12 Claims. (Cl. 205—20)



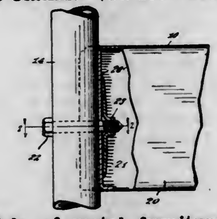
1. A wire drawing block comprising a central hub, an annular capstan portion surrounding the hub and spaced radially therefrom, means connecting the hub to the capstan portion, a series of thin ribs extending inwardly from the capstan portion and terminating a considerable distance short of the hub, the ribs being substantially parallel with the axis of the block and adapted to transfer heat from the capstan portion to a stream of air flowing through the block, and a separately formed baffle means located in the space between the inner ends of the ribs and the hub to direct the air stream between the ribs.

2,346,448

METAL FURNITURE

Quintin G. Noblitt, Earl C. Booth, and Bertis F. Hamilton, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application December 13, 1940, Serial No. 369,940
6 Claims. (Cl. 155—194)



1. An article of metal furniture, comprising supporting members having generally vertically extending portions of tubular cross-section, a generally horizontal, sheet-metal supported member, said supported member having a generally vertical peripheral flange formed to provide outwardly presented seats for the reception respectively of the vertical parts of said tubular members, a reinforcing member overlying the inner surface of each of said seats, said reinforcing member being longitudinally arched to engage said seat only near its ends, and a screw extending transversely through said supporting member, through the associated seat, and into said reinforcing member for holding the supporting member securely in the seat.

2,346,449

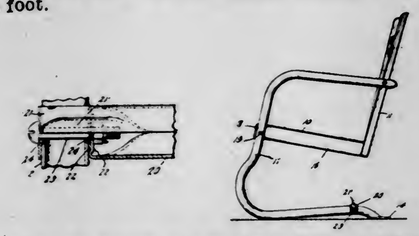
METAL FURNITURE

Quintin G. Noblitt, Earl C. Booth, and Bertis F. Hamilton, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application February 8, 1941, Serial No. 377,950
10 Claims. (Cl. 155—194)

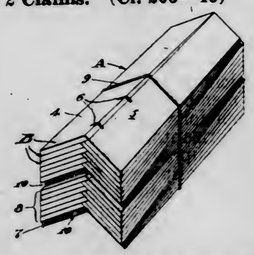
3. In a chair having a seat and back, a pair of supporting members disposed at the sides of

the chair, each of said members being formed of metal tubing and having a generally horizontal lower stretch adapted to engage a supporting surface, a generally vertical stretch secured to the seat near a front corner thereof, and a generally horizontal upper arm-forming stretch extending rearwardly above the seat and secured near its end to the chair-back, the rear end of each arm-forming stretch being flattened into a vertical plane and trimmed close to the unflattened portion, and the rear end of each lower stretch being flattened into a horizontal plane and offset from the unflattened portion to form a foot.



9. In an article of metal furniture, a tubular supporting member, an intersecting sheet-metal member provided with a seat for the reception of said tubular member, said seat being provided on opposite sides of said supporting member with a pair of openings and with annular flanges respectively surrounding said openings and extending inwardly of said seat, said supporting member being provided with openings respectively receiving said flanges, and a clamping member extending through the holes in said seat and supporting member for clamping them together.

2,346,450
SHINGLE PACKAGE
Herbert L. Owen, Los Angeles, Calif., assignor to R. S. Berry, Los Angeles, Calif.
Application September 25, 1941, Serial No. 412,252
2 Claims. (Cl. 206—46)



1. A bundle of preformed shingle units wherein each unit is of angular cross section and consists of two shingles secured together at certain longitudinal edges in overlapping relation with their butt ends aligned at one end of the unit and their thin ends substantially aligned at the other end of the unit, the overlapping shingle being on the right side of certain units and on the left side of the other units to define right and left units, there being groups of said units in which each group consists of alternate right and left units nested together with their butt ends aligned at one end of the group, said groups being stacked in nested relation with the butt ends of alternate groups at opposite ends of the stack to form a bundle of substantially uniform thickness at both ends, and means for holding said groups together as a bundle.

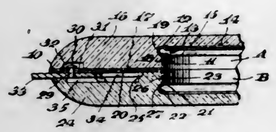
2,346,451
POZZOLANIC MATERIALS AND METHOD OF MAKING SAME
Mario Palmieri, Evanston, and Arnold J. Beck, Riverside, Ill., assignors of one-half to The Sanitary District of Chicago, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 12, 1938, Serial No. 240,042
6 Claims. (Cl. 106—100)

2. A material of manufacture having a high degree of pozzolanic activity, comprising a mixture of from 90 to 99.5 per cent of argillaceous material, and from 10 to 0.5 per cent of a monovalent alkali material of the group consisting of sodium chloride, sodium sulphate, sodium carbonate, sodium silicate, sodium acetate, sodium borate, potassium chloride, potassium sulphate, potassium carbonate, potassium silicate, potassium acetate, sodium hydroxide and potassium hydroxide, said material being the resultant product of heating said mixture to a temperature slightly below the coalescing temperature.

2,346,452
ALKYLATION OF HYDROCARBONS
Ernest F. Pevere, Beacon, Louis A. Clarke, Fishkill, and George B. Hatch and Frank H. Bruner, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 13, 1939, Serial No. 273,574
15 Claims. (Cl. 260—683.4)

15. The method of manufacturing substantially-saturated motor fuel hydrocarbons which comprises reacting an isoparaffin with an oxygenated hydrocarbon selected from the group consisting of aliphatic and hydroaromatic alcohols having from three to ten carbon atoms per molecule and the corresponding aliphatic ethers under alkylating conditions including normal atmospheric temperatures below about 140° F. in the presence of an alkylation catalyst effective for the ordinary atmospheric temperature alkylation of isoparaffins with olefins.

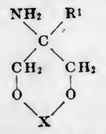
2,346,453
COMPACT
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application November 23, 1943, Serial No. 511,438
5 Claims. (Cl. 220—31)



2. A compact member comprising a relatively flat annular plate, an upstanding collar at its inner periphery, an inwardly extending groove on the collar, an outer concave circular plastic member with an annular surface and an inner cylindrical wall extending from the annular surface with an inwardly projecting ring and adapted to slide resiliently over the collar so that the projecting ring will engage the groove and hold the outer member in place.

2,346,454
SURFACE ACTIVE AGENT
Hillary Robinette, Jr., Arlington, Mass., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 14, 1942, Serial No. 454,780
9 Claims. (Cl. 252—8.75)

1. An aqueous bath for the wet treatment of textiles comprising an added solubilizing compound of the sulfoxy type and an amino dioxane of the formula:



wherein R^1 represents an alkyl group, and X is a member selected from the class consisting of cycloalkylidene, alkylidene, substituted-cycloalkylidene, and



wherein R^2 and R^3 are members selected from the group consisting of alkyl, aryl, and aralkyl.

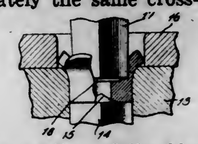
2,346,455
LIGHTING AND EXTINGUISHING MEANS FOR CANDLES
Phillip W. Russell, Cleveland Heights, Ohio, assignor to John M. Powers, Cleveland Heights, Ohio
Application January 2, 1942, Serial No. 425,412
16 Claims. (Cl. 67—3)



3. In lighting and extinguishing means for candles and candlelike bodies two pivotally mounted, cooperating lighting and extinguishing members including heating means for lighting purposes on one of said members, means adapted to shift said members toward and away from each other, and means for actuating said shifting means, said members cooperating with each other in lighting and extinguishing the wick of a candle when positioned between said members.

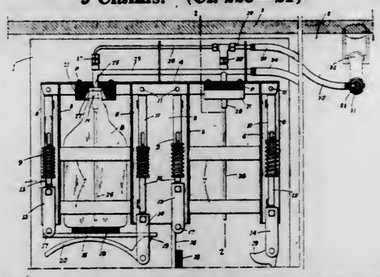
2,346,456
SELF-LOCKING NUT
William Ruthven, Oak Park, Ill., assignor to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application January 14, 1943, Serial No. 472,333
20 Claims. (Cl. 10—86)

20. In the procedure of producing a lock-nut from a metal blank, the step which comprises locating the blank over the end of a polygonal die of less maximum cross-section than said blank, pressing against the blank a polygonal punch of less cross-section than said die to force said blank into the die without material change in shape of the blank within the area corresponding to the end of said punch and convert the blank into a polygonal shell having a bottom of approximately the same cross-section as the



corresponding portion of the blank and a continuous wall of less thickness than the original thickness of the blank comprising a connected series of flat wall portions extending at right angles to the plane of the bottom with each wall portion having a tapered tab extending from its top edge and surrounding and defining a polygonal space, and providing a central threaded aperture in said bottom.

2,346,457
DISPENSER FOR BOTTLED BEVERAGES
Edward B. Sackett, Coulterville, Calif.
Application December 14, 1942, Serial No. 468,902
9 Claims. (Cl. 225—21)

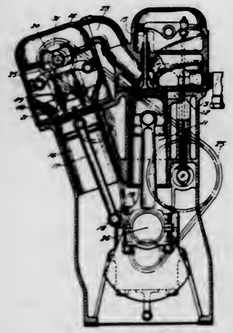


1. A dispenser for bottled beverages comprising a rack adapted to support a bottle in upright position, said rack including at its lower end a movable platform member, said member being movable from a position with the lower end of the rack open to a position supporting a bottle in the rack, means to releasably latch said member in bottle supporting position, means disposed at the upper end of the rack for engagement in sealing relation with the initially open end of the neck of a supported bottle, a draft faucet, and a conduit arrangement in communication between the interior of a supported bottle and said faucet, said conduit arrangement including a tube extending through said sealing means.

2,346,458
INTERNAL COMBUSTION ENGINE COMBINED WITH A COMPRESSOR
Arthur Freeman Sanders, Leeds, England, assignor of one-half to John Fowler & Co. (Leeds) Limited, Leeds, England
Application April 16, 1941, Serial No. 388,883
In Great Britain February 8, 1940
9 Claims. (Cl. 123—72)

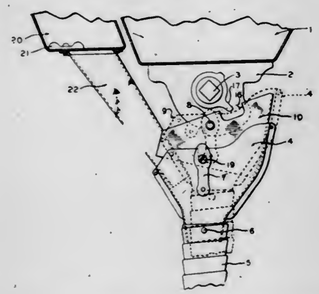
6. In combination, a fuel-injection, compression-ignition, four-stroke engine, a reciprocating compressor having an overhead valve gear and arranged with its cylinders in close-V formation with those of the engine, the engine and com-

pressor being arranged to share a common crankshaft, a delivery chamber into which the compressor cylinders discharge, said chamber formed



by a casing enclosing the valve gear of the compressor, and the engine having short inlet ducts connected to said chamber and means for adjusting said valve gear.

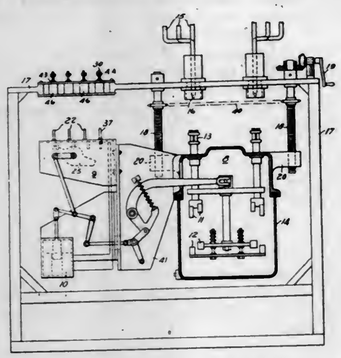
2,346,459
GRAIN DRILL
Bernard J. Schill, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application March 14, 1941, Serial No. 383,266
5 Claims. (Cl. 193—9)



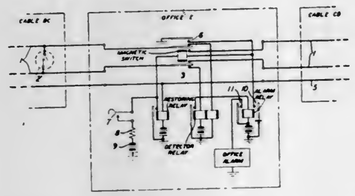
1. An adapter for a grain tube on a grain drill comprising a substantially U shaped element having a forward panel, sides, and an open back, said element including stud engaging means on the sides thereof for the support of said adapter, said sides being adapted to spring to clear the studs, and means spaced from said stud engaging means for supporting a grain tube top.

2,346,460
SWITCHGEAR
Thomas G. A. Sillers, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 1, 1940, Serial No. 349,334
5 Claims. (Cl. 175—298)

1. In combination, a multiple contact circuit maker and breaker provided with fixed and movable contacts, means for enclosing said circuit maker and breaker to limit the effect of products of arcing at said contacts, means for supporting said fixed contacts on said enclosure comprising conducting studs extending through a wall thereof, an extension on said wall, an operating coil for said circuit breaker, additional conducting members carried by said extension and connected to said operating coil, and means for moving said enclosure to connect said circuit breaker contacts with circuits to be controlled and to connect said additional conducting members with a source of current supply for said operating coil.



2,346,461
GAS PRESSURE ALARM SYSTEM FOR CABLES
Samuel P. Shackleton, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 28, 1942, Serial No. 444,813
10 Claims. (Cl. 177—311)



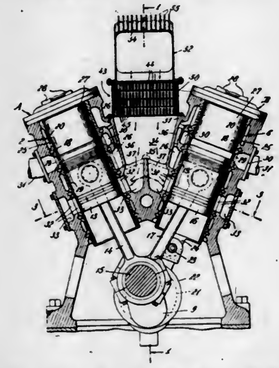
1. A switching means for an alarm circuit in a cable system of the type having a plurality of series-coupled cable sections, said switching means comprising for each cable section, a pair of conductors bridged by short-circuiting devices, a two-pole magnetic switch, front and back contacts for each pole, circuits connecting said two poles to the pair of bridged conductors of their associated cable section, a relay means, circuits connecting the back contacts to the relay means whereby said relay means is responsive to the operation of any of the short-circuiting devices of said associated cable section, circuits connecting said front contacts to the pair of bridged conductors of the adjacent cable section, an energizing circuit for said magnetic switch connected to said relay means and responsive to the operation thereof, whereby upon the operation of said magnetic switch the bridged conductors of the associated cable section may be disconnected from said relay means and connected to the bridged conductors of said adjacent cable section, and a locking circuit including contacts on said magnetic switch connected to said energizing circuit for locking the magnetic switch in its operated position.

2,346,462
METHOD OF MAKING CORES FOR PROJECTILES
Raymond J. Southwell, Nichols, and Edward A. Conner, Stratford, Conn., assignors to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application October 23, 1940, Serial No. 362,342
8 Claims. (Cl. 29—1.22)



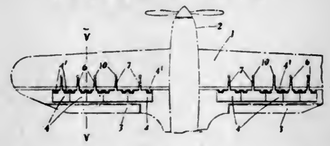
1. The method of making a projectile which consists in reducing the diameter of bar stock to the diameter of the projectile to be produced by radially directed impacts, and pointing one end of the bar stock by radially directed impacts.

2,346,463
INTERNAL COMBUSTION ENGINE
Otto E. Szekely, Philadelphia, Pa., assignor to Martin Motors, Inc., Dover, Del., a corporation of Delaware
Application September 23, 1941, Serial No. 411,956
6 Claims. (Cl. 123—171)



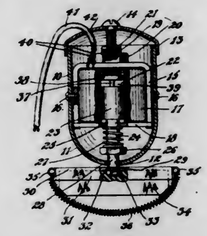
1. In an internal combustion engine, a bank of cylinders, an air supply chamber extending substantially the length of said bank of cylinders, an air inlet from the supply chamber to each cylinder, said chamber having a mouth substantially co-extensive with the chamber, an air cooler secured to said mouth and substantially co-extensive therewith, a charging air supply pump and a conduit for conveying air therefrom to said air cooler, the air cooler serving simultaneously to cool the air entering said chamber and to distribute it uniformly through the same to said air inlets.

2,346,464
STABILIZING DEVICE FOR AIRCRAFT
René Tampier, Cricklewood, London, England
Application June 3, 1939, Serial No. 277,315
In France June 10, 1938
5 Claims. (Cl. 244—76)



1. In a stabilizing device for aircraft comprising an automatically movable stabilizing surface mounted for vertical swinging on the underside and forwardly of the trailing edge of the wing on each side of the fuselage, said surface in its raised position forming a portion of the normal undersurface contour of the wing, and in its downwardly swung position increasing the camber of the wing undersurface, spring means acting on said surfaces and tending to maintain them in a mean position but permitting them to adjust themselves automatically to variations in pressure, and means for moving the said surfaces into a desired position against the action of said spring means, pilot-controlled means for locking the surface in a desired position, including means to vary the sensitivity of the automatic control exerted by said spring means on said surfaces in other than locked position of said locking means.

2,346,465
VIBRATOR
Albert C. Wilcox, Chicago, Ill.
Application April 10, 1942, Serial No. 438,377
2 Claims. (Cl. 128—52)

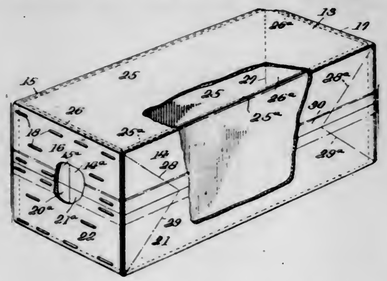


1. A vibrator including a one-piece shell having an integral rounded bottom portion, an electro-magnet within the shell including a U-shape pole piece, means detachably connecting the legs of the pole piece to the sides of the shell, a coil supported within the pole piece, a reciprocating armature mounted within the coil and extending through the lower rounded end of the shell, a massage cushion upon the lower end of the armature, an adjusting screw located through the pole piece for contact with the adjacent end of the armature to limit the throw of the armature in one direction, a lock nut for holding the adjusting screw in adjusted position, said adjusting screw being internally threaded, a removable cover upon the top of the shell and an attaching screw located through the cover and engaging the internal threads in the adjusting screw for detachably securing the cover upon the shell.

2,346,466
SHIPPING CONTAINER
Jack R. Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia
Application January 29, 1942, Serial No. 428,768
1 Claim. (Cl. 229—23)

A multi-part knockdown shipping container formed of pulp board material capable of carrying relatively heavy loads, and comprising opposed upper and lower end sections and a liner section; the end sections being of substantially identical cross-sections and each having a closing wall with its peripheral edges defined by fold lines and thereat integrally joined to side and end walls so that the side and end walls may be bent relatively inwardly to overlap the closing wall, the width of said closing wall being at least equal

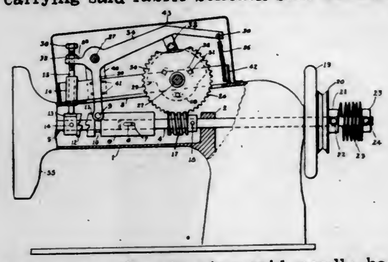
to the sum of the heights of the side walls connected thereto and the length of said closing wall being greater than the sum of the heights of the end walls connected thereto, said side walls having flaps joined thereto at fold lines about which end portions of the side walls may each be relatively bent to overlap the adjacent end wall, said flaps being positioned flatwise against and secured permanently to the adjacent end wall, said side walls having diagonal fold lines extending from the free edge thereof to the trihedral corner angles for separating the said end portions from a central portion thereof and about which diagonal fold lines the said end portions may be bent relatively to overlap the corresponding central portion, whereby each end section may be folded into a substantially flat package having substantially the area of the closing wall and presenting fold lines at the edges of the package and whereby in unfolded and assembled condition for use the side and end walls can be positioned at



right angles to the closing wall and form peripheral walls for the section; said liner section having peripheral side and end walls joined at corner fold lines and said liner section being in unfolded condition for assembly of the same shape in cross-section as the closing walls of said end sections and adapted to fit snugly and telescope within the peripheral walls of the end sections in assembled condition for use with the edges of the liner section abutting against the inner surfaces of the closing walls of said end sections, the end walls of the liner section having fold lines parallel to the corner fold lines and spaced substantially midway therebetween for permitting said end walls to be folded inwardly into a flat package having its parts of essentially the same width and breadth and having substantially the same length as the said closing walls, whereby to provide a composite substantially flat package of the folded end sections and the folded liner section to facilitate storage of the container or return thereof to a source for further filling.

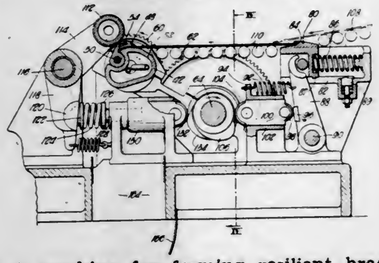
2,346,467
SKIP STITCH MACHINE
Ira E. Bills and William B. Patey, Dalton, Ga.
Application December 12, 1939, Serial No. 308,840
3 Claims. (Cl. 112—79)

1. An apparatus of the character described comprising the drive shaft of a sewing machine head, a needle bar and a needle carried thereby for passing thread through fabric positioned in said machine, clutch elements for putting said needle bar into and out of operative connection with said drive shaft, a control element cooperating between said drive shaft and said clutch elements, whereby to open and close said clutch elements responsive to the rotation of said drive shaft and to continue and discontinue the operation of said needle, means positioned beneath the bedplate of the machine, reciprocating with said needle for hooking said thread to form loops and clipping said loops to form tufts, means for carrying said fabric beneath said needle and



braking means for stopping said needle bar in upraised position when said clutch elements are out of clutching engagement, whereby to form tufts grouped in said fabric at intervals spaced according to the continuance and discontinuance of operation of said needle.

2,346,468
MACHINE FOR FORMING RESILIENT BRACKETS
Alan E. Brickman, Monongahela, and Harvey B. Trott, Donora, Pa., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 22, 1942, Serial No. 440,084
7 Claims. (Cl. 153—40)

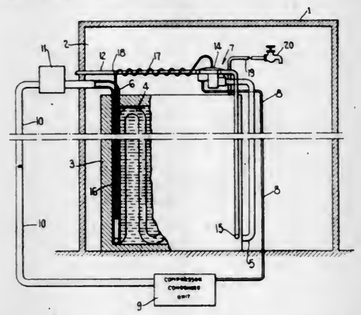


1. A machine for forming resilient brackets from plate-like blanks comprising a non-circular mandrel including longitudinally separable sections, a gripper carried by each section of the mandrel, a pressure roller for coaction with blanks held on said mandrel by said grippers, a movable mounting for said roller, power driven means tending to move said mounting and roller toward said mandrel, a compression spring interposed between said power driven means and said mounting, means for rotating the mandrel and a blank gripped thereby whereby the latter is coiled about the mandrel while under pressure exerted by said roller, means interlocking the mandrel sections against relative turning motion, and means for separating the sections of the mandrel so as to release the resulting article therefrom.

2,346,469
REFRIGERATING SYSTEM
Franklyn Y. Carter, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 27, 1942, Serial No. 436,408
3 Claims. (Cl. 62—141)

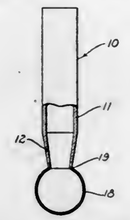
1. In a refrigerating system for a water cooler having an evaporator and to be located in a

medium having a temperature less than the temperature adjacent the evaporator outlet, a water supply pipe for the cooler and having a portion of its length closely adjacent the evaporator outlet, a thermostatic expansion valve controlling the admission of refrigerant to said evaporator and having an expansible hollow power element for actuating the valve member of the expansion valve, said power element having a hollow temperature responsive element connected communi-



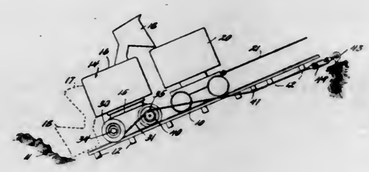
catively to said power element by pressure transmitting tubing, said supply pipe having a portion of its length in heat exchange relation with said power element, said responsive element being in heat exchange relation with refrigerant leaving said evaporator and containing a limited quantity of volatile liquid entirely condensible in said tubing, said tubing having a portion of its length in intimate heat exchange relation with said supply pipe so that the volatile liquid will not condense in said tubing.

2,346,470
METHOD OF MAKING GLASS ELECTRODES
Henry H. Cary, South Pasadena, and Warren P. Baxter, Pasadena, Calif., assignors to National Technical Laboratories, South Pasadena, Calif., a corporation of California
Application August 2, 1940, Serial No. 349,859
8 Claims. (Cl. 49—79)



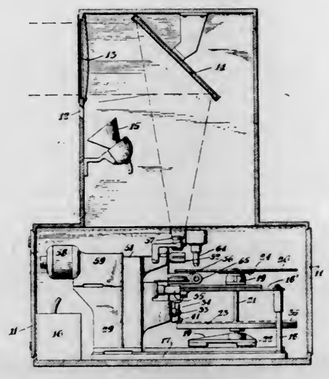
1. A method of making a glass electrode having a bulb of one kind of glass sealed upon a body tube of another kind of glass, which method includes the steps of: dipping in a molten bath of said one kind of glass an end of said tube provided with an opening therein sufficiently small that a droplet of glass from said bath will extend across said opening in sealing relationship with said end of said tube when said end is removed from said bath; removing said end of said tube from said bath when the glass of said molten bath has wetted the same around said opening to form said droplet of said one kind of glass adhering to said end of said tube; and then blowing said adhering droplet into said bulb.

2,346,471
LOADER
Sam Colovich, Eureka, Utah
Application July 15, 1943, Serial No. 494,861
7 Claims. (Cl. 214—132)



1. The combination with a vehicle having two axles, of a drum on one axle, a roller on the other axle, a cable on the drum and extending above the roller, and means for securing the free end of the cable at a point below the plane of the axes of the two axles to prevent the roller, and therefore the axle on which the roller is mounted, from rising.

2,346,472
DISPLAY APPARATUS
J. Burgi Contner, New York, N. Y., assignor, by mesne assignments, to Great American Industries, Inc., Meriden, Conn., a corporation of Delaware
Application June 4, 1941, Serial No. 396,621
7 Claims. (Cl. 88—16.2)

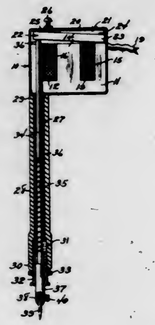


1. In an apparatus of the character described, a gear, a drive plate comprising a body, a series of spirally arranged gear teeth forming a part of said body and adapted to be engaged by the teeth of the gear, an arcuate section secured to said plate and disposed in advance of the gear teeth associated with the latter and a further gear wheel connected to said first named wheel and cooperative with said arcuate section to introduce said first named gear wheel into engagement with the teeth of said spiral series in a predetermined manner; said section being formed with notches to receive the teeth of said further gear wheel, said notches and the teeth of said latter gear wheel being spaced a distance greater than the spacing of the gear teeth forming a part of said body and of said first named gear.

2,346,473
DYEING OF WOOL WITH NONMETALLIZED ACID COLORS
Miles A. Dahlen and Harry F. Clapham, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1941, Serial No. 419,716
6 Claims. (Cl. 8—54)

1. A dyebath for dyeing wool comprising essentially a water solution of a non-metallized acid wool dye and sufficient hydroxy-acetic acid to give the bath a pH value of about 3 to about 3.5.

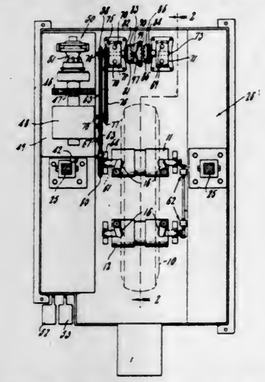
2,346,474
ENGRAVING TOOL
Miguel de la Torre, New Haven, Conn., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1940, Serial No. 325,445
7 Claims. (Cl. 78—13.1)



1. An engraving tool, comprising a casing having an elongated tubular stem, a rod extending axially through said stem and into said casing and being adapted to carry a tool element at the distal end thereof, a vibratory hammer within said casing and adapted to move said rod toward said distal end upon energization of said hammer, means for energizing said hammer, and spring means cooperating with said rod to normally hold the same in pressed engagement with said hammer.

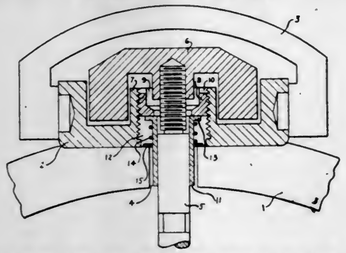
2,346,475
MACHINE FOR WRAPPING TOROIDAL OBJECTS
Charles Henry Desautels, Springfield, Mass., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 17, 1941, Serial No. 374,828
3 Claims. (Cl. 242—6)

1. In a machine for wrapping a toroidal object, the combination of a vertically adjustable rotary wrapping strip applying shuttle, a motor, a driving connection between the motor and the shuttle, rollers for supporting said object, means operated by the motor for rotating said rollers to revolve the object in the path of the shuttle, said means including a counter shaft, a driving connection between the counter shaft and the motor, a secondary shaft, two independently operable driving connections between the counter shaft and the secondary shaft, said independent driving connections being adapted to provide two different speed ratios between said rollers and the shuttle, and a two speed quick change clutch mechanism associated with said two independent driving connections for selectively putting either one of them into operation to transfer power from the motor to said rollers, said clutch mechanism comprising two clutch members freely rotatable on said counter shaft, one of said clutch members being secured to one



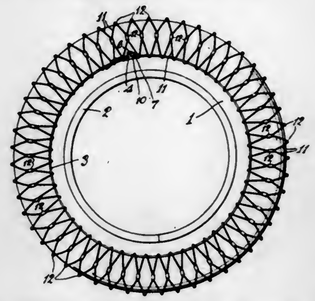
of said driving connections, the second clutch member being secured to the other driving connection, and a controlling clutch element mounted on and slidably connected in driving relation to said counter shaft between the two clutch members, the latter and said clutch element being provided with means whereby said clutch element may be selectively connected to drive either of said clutch members or be disengaged therefrom.

2,346,476
PROTECTIVE DEVICE
Ernest William Drescher, Manheim Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application November 14, 1941, Serial No. 419,145
2 Claims. (Cl. 58—90)



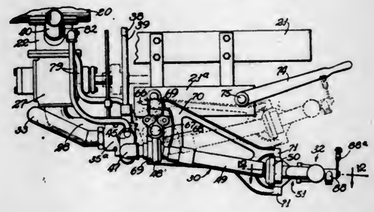
1. A dust cap for watches comprising a watch case having an opening therein, a pendant block formed with a segment of an annular recess and secured to said case and having a threaded opening aligned with said watch case opening, a sleeve having an upper shoulder passing through said case opening, a sealing washer around said sleeve and seating against the case within the threaded opening, a coil spring about said sleeve and resiliently urging said annular shoulder and said washer apart, a screw plug threaded in said pendant block opening and bearing on said sleeve shoulder, a stem slidable in said sleeve and a crown on said stem, said crown being formed with a downwardly projecting rim fitting into the recess of said pendant block.

2,346,477
ANTISKID DEVICE
Lothar A. Ederer, Chicago, Ill.
Application March 2, 1942, Serial No. 433,011
7 Claims. (Cl. 152—221)



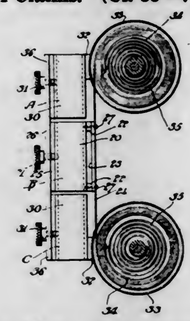
1. In combination in an anti-skid device adapted to be positioned about a wheel, a pair of side members, each adapted to be positioned on one side of a wheel, and an additional continuous transverse member separate from said side members and extending back and forth repeatedly between said side members and attached thereto at a plurality of points, and a plurality of clasping means positioned about and securing together each pair of adjacent strands of said continuous transverse member at a plurality of separated points, said clasping means being rigid and extending outwardly beyond said transverse member to form a rigid, road-engaging member.

2,346,478
DISTRIBUTOR FOR BITUMEN AND LIKE MATERIALS
George M. Etnyre, Oregon, Ill., assignor to E. D. Etnyre & Co., Oregon, Ill., a corporation of Illinois
Application January 14, 1938, Serial No. 185,033
4 Claims. (Cl. 299—34)



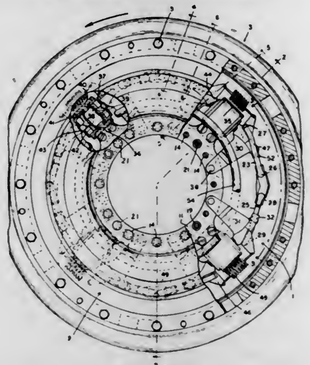
4. In a distributor system for such heavy fluids as are used in road construction, the combination with a plurality of distributor members, a pump, a conduit for connecting the intake of said pump with a source of material, supply conduits for connecting the outlet from said pump with said distributor members, independently operable valve means in each of said conduits, said conduits from said outlet having low points toward which all fluid therein and in the distributor members will tend to flow by gravity, other conduits extending separately from each such low point to the intake of said pump, and valve means in said other conduits providing for the selective drainage from the low point of either of said supply conduits when the valve means in the selected supply conduit or conduits is closed.

2,346,479
LEVELING ROD AND RANGE POLE
Harry W. Fatkin, Westville, N. J., assignor to Warren-Knight Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 15, 1943, Serial No. 490,857
4 Claims. (Cl. 33—74)



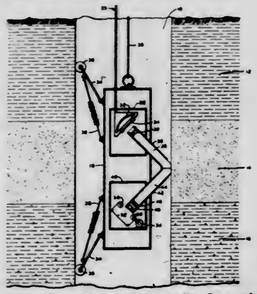
1. Apparatus for use by surveyors and the like comprising a rod or pole, and a measuring attachment mounted thereon, said measuring attachment including a measuring tape and comprising three separable portions each slidably mounted on the rod, means for clamping said portions at desired locations on the rod, the intermediate portion having means for securing the central part of the measuring tape, and each end portion having a housing in which one end of said tape is wound, the intermediate portion having a member to which the end portions are clamped when the measuring attachment is removed from the rod.

2,346,480
BRAKE
Phelps M. Freer, Detroit, Mich.
Application November 2, 1942, Serial No. 464,225
3 Claims. (Cl. 188—72)



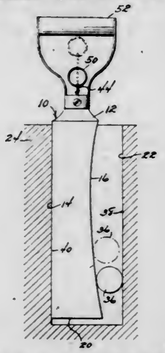
1. A brake comprising outer rotatable friction members, inner non-rotatable friction members between said outer members and means for moving said inner members into braking engagement with said outer members comprising opposed pairs of links between said inner members with the links of each pair opposite each other and with each link having longitudinally spaced contacts with its associated inner member, and actuating members movable in opposite directions and engageable with said opposed pairs of links intermediate the contacts.

2,346,481
DETERMINATION OF UNDERGROUND STRATA
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application November 27, 1940, Serial No. 367,433
5 Claims. (Cl. 250—83.6)



1. A device for locating oil bearing formations traversed by a bore hole comprising a housing adapted to be lowered through the hole, a source of ultra-violet light in said housing, a quartz bar supported by said housing for conducting a beam of said light onto the formation walls, means in said housing for recording variations in fluorescence produced by said light on said walls and a second quartz bar disposed to conduct said fluorescence from said walls to said recording means.

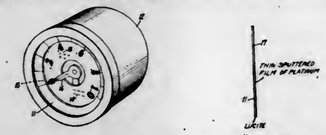
2,346,482
LIFTING TOOL
Benjamin Gold, Las Vegas, Nev.
Application April 20, 1943, Serial No. 483,805
3 Claims. (Cl. 294—89)



1. In a lifting device, a body having a flat face and an opposite face of concave curvature, said body having a slot opening through and curved in conformity with the concave face, a member mounted to slide in the slot, and a wedging element secured to the slide member and disposed transversely of the slot for movement along the concave face of the body.

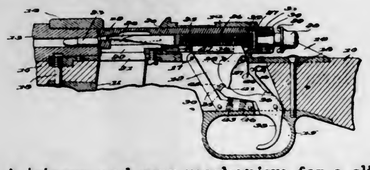
2,346,483
CHARGEPROOF COVER GLASS
James H. Goss, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application August 7, 1942, Serial No. 454,063
1 Claim. (Cl. 171—95)

An indicating instrument having a stationary scale and a movable pointer cooperating with the scale, a closed casing containing said instrument, said casing including a window part through which the pointer and scale may be observed, said window being made of shatter-proof transparent plastic material having such insulating and dielectric properties as to accumulate static electric charges of such magnitude and effect as compared to the torque characteristics of the instrument as to deflect the pointer from correct meas-



urement position, and means for dissipating such static electric charges and rendering them harmless on the accuracy indication of the instrument comprising a film of noble metal such as platinum united with the interior surface of said window by a sputtering-on process, the film being sufficiently thin that the light transmission properties of the window are not reduced in excess of twenty per cent.

2,346,484
TRIGGER MECHANISM
Roy Gradle, Santa Barbara, Calif.
Application June 22, 1939, Serial No. 280,614
3 Claims. (Cl. 42—69)

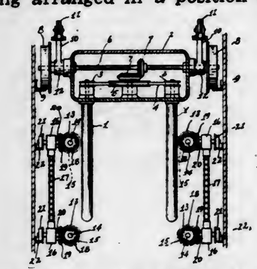


1. A trigger and sear mechanism for a sliding bolt action fire-arm having a spring actuated firing pin, said mechanism comprising a combined sear and bolt stop pivotally mounted for movement into and out of the path of movement of the firing pin and bolt, a spring normally holding said sear and bolt stop in position to engage the firing pin and bolt, said sear and bolt stop being formed with a cam portion and a toe for engagement with the trigger, and a pivotally mounted trigger having an abutment to overlap said toe to retain the sear in cocked position and releasable upon normal movement of said trigger, and said trigger having a contact part to engage said cam portion to withdraw the bolt stop from operative position upon movement of said trigger in reverse direction.

2,346,485
DEVICE FOR ROLLING THIN RUBBER ARTICLES
Frederick E. Hahne, New York, N. Y., assignor to Chemical Enterprises, Inc., New York, N. Y.
Application March 4, 1942, Serial No. 433,318
4 Claims. (Cl. 18—2)

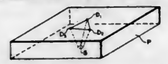
1. A device for rolling thin rubber articles of the class described comprising form supporting members, dipping forms rotatably mounted on said supporting members, means for rotating said forms, a conveyor for moving said form supporting members along a predetermined path, brushes for operatively engaging and rolling said articles, a brush carrier for each of said brushes, said brushes being rotatably mounted on said brush carriers, means for rotating said brushes, a second conveyor for moving said brush carriers

at the same speed and in the same direction as said form supporting members, said second conveyor being arranged in a position downwardly



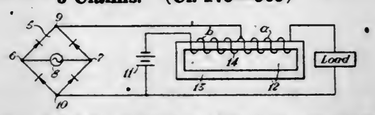
inclined relative to the position of said first conveyor and guiding means for holding each of said rotating brushes in operative contact with one of said dipping forms.

2,346,486
METHOD AND APPARATUS FOR MEASURING THICKNESS
Donald G. C. Hare, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 7, 1941, Serial No. 413,916
7 Claims. (Cl. 250—83.6)



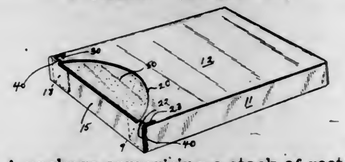
1. The method of measuring the thickness of a plate which comprises directing a beam of penetrative radiation into said plate from a source at one side thereof, detecting at three points at the other side of said plate approximately opposite said source the amounts of radiation transmitted through the plate from the source to said points, said points being disposed at the vertices of a triangle, constructing a geometrical figure having a similar triangle as its base and each of its upwardly projecting edges of a length corresponding to some function of the transmitted radiation detected at the corresponding point or vertex of the triangle on said plate, and determining the vertical projection of the common vertex of said edges on said base, said projection being indicative of the amount of transmitted radiation which would have been detected at a point exactly opposite said source.

2,346,487
REGULATING APPARATUS
Linnie K. Hedding, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 12, 1941, Serial No. 422,725
3 Claims. (Cl. 175—363)



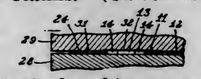
1. In combination with a direct current load, a battery, a rectifier and a source of alternating current connected with the input terminals of the rectifier, the terminal voltage of the battery having a value less than the peak value of the voltage of said rectifier, a reactor comprising a magnetizable core provided with a winding which when energized constitutes the sole source of flux for said core, said winding having a mid-terminal tap dividing the winding into two equal turn portions, said tap being connected with one output terminal of said rectifier, said winding having one end terminal connected with the corresponding one terminal of said battery and having the other end terminal connected through said load to the other terminal of said rectifier and said battery.

2,346,488
DISPENSING PACKAGE
Byron T. Hoffmaster, Menasha, and George E. Wauda, Neenah, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application October 22, 1943, Serial No. 507,316
5 Claims. (Cl. 206—57)



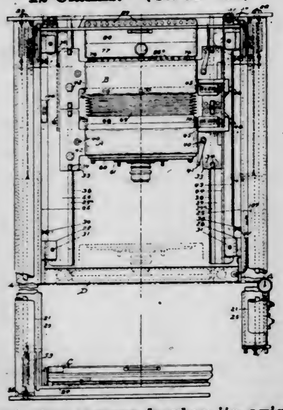
1. A package comprising a stack of rectangular sheets retained in a dispensing carton comprising a blank cut, scored and folded to form a rectangular front and rear panel, upper and lower end walls and side walls, the dimensions of said front and rear panels being substantially equal to the dimensions of said sheets, the front panel being provided with a line of weakening coinciding with the lower edge of said front panel and terminating relatively short of each of the longitudinal edges of said front panel, horizontal cut score lines extending from each end of said line of weakening to each of the adjacent longitudinal edges of said front panel, relatively short cut score lines extending along the ends of each of the said longitudinal edges of said front panel and intersecting said horizontal cut score lines to provide yieldable flaps at each of the lower corners of said front panel, and a continuous line of weakening extending upwardly from each of the inner ends of said horizontal cut score lines to provide a tear out segment, said segment being adapted to be torn out from said front panel to provide a dispensing opening for removal of said individual sheets from the package without tearing or crumpling the longitudinal edges of said sheets and said lower end wall retaining the lower edge of the remaining stack of sheets within the package.

2,346,489
METHOD OF MAKING COMB MEMBERS FOR DRY SHAVERS
Otto Horrer, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1941, Serial No. 392,417
5 Claims. (Cl. 76—104)



1. The method of making a comb member for a dry shaver, from a strip of thin spring steel, including the step of reducing the thickness of the strip in a given central area by grinding, the step of providing hair-receiving openings in said area by perforating the same, and the step of uniformly elongating the marginal portions only of the strip which are located at opposite edges thereof beyond said reduced perforated area, said elongation being effected throughout the length of said marginal portions and being of sufficient degree to cause the said marginal portions to assume a slightly upturned angle with relation to the strip proper when the strip is flat.

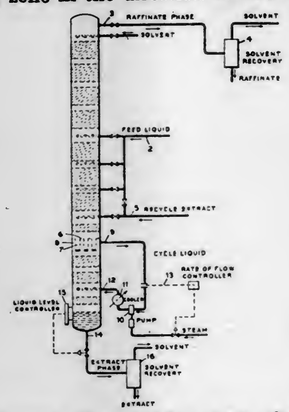
2,346,490
VERTICAL PROJECTOR CAMERA
William C. Huebner, New York, N. Y.
Application June 17, 1942, Serial No. 447,331
12 Claims. (Cl. 88—24)



1. A projector camera having its axis disposed vertically, comprising: a vertically extending relatively stationary main frame; a camera chassis having vertically disposed guide rails; yieldable means interposed between the main frame and chassis for yieldingly sustaining the latter relative to the main frame; means carried by and located adjacent the bottom of the chassis for holding copy or photo-sensitive material in a plane normal to the camera axis; a lens carriage vertically slidably mounted on said guide rails; a camera carriage also vertically slidably mounted on said rails above the lens carriage and provided with means for interchangeably holding an image-carrying element or photo-sensitive element in a plane normal to the camera axis; and illuminating means.

2,346,491
SOLVENT SEPARATION OF LIQUID MIXTURES
Wynkoop Kiersted, Jr., Sçarsdale, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 12, 1941, Serial No. 406,478
8 Claims. (Cl. 196—13)

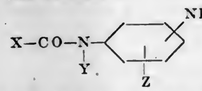
1. In the solvent separation of a feed liquid containing components relatively soluble in relatively insoluble in, and of intermediate solubility in the solvent to produce an ultimate solvent-free raffinate consisting essentially of insoluble component and an ultimate solvent-free extract consisting essentially of soluble component, the steps comprising subjecting feed liquid and a solvent to continuous countercurrent contact in an extraction zone to form raffinate phase containing insoluble component and extract phase rich in soluble component and containing component of intermediate solubility, said extraction zone being within a single treating tower through which the raffinate phase flows toward the raffinate phase outlet at one end and the extract phase flows toward the extract phase outlet at the opposite end, passing said extract phase through a rectifying zone in a second section of said tower beyond said extraction zone in the direction of extract phase flow, subjecting it therein to contact with a recycled portion of said ultimate extract, thereafter passing extract phase mixture containing recycled extract through a washing zone in a third section of said tower beyond said second section in the direction of extract phase flow, said third section being packed with inert contact material providing extended contact surface area, withdrawing from an initial stage in said washing zone a stream of liquid relatively rich in intermediate component, reducing the temperature of the withdrawn stream, recycling the cooled withdrawn stream without altering its composition to a succeeding stage in the washing zone in the direction of flow of extract



phase through the washing zone whereby said extract phase mixture is subjected to intimate contact in the washing zone with a countercurrently flowing and relatively cool body of recycled intermediate component, withdrawing resulting washed extract phase from said washing zone, removing solvent from the withdrawn extract phase to produce said ultimate extract, withdrawing raffinate phase from the extraction zone and removing solvent therefrom to produce said ultimate raffinate.

2,346,492
MANUFACTURE OF PRIMARY AMINO-SUBSTITUTED AROMATIC AMIDES
Arthur Howard Knight and William Elliot Stephen, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 17, 1942, Serial No. 458,731. In Great Britain October 8, 1941
6 Claims. (Cl. 260—562)

1. A primary amine of the benzene series represented by the formula

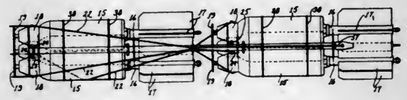


wherein X is one of a group consisting of monochloro- and monobromo-alkyl containing 1 to 3 carbons, Y is alkyl containing 1 to 4 carbons and Z is one of a group consisting of hydrogen and methyl.

2,346,493
MANUFACTURE OF CALCIUM CHROMATE
Laurence Francis Le Brocq, Farnham, and Henry George Cole, Farnborough, England
No Drawing. Application August 12, 1943, Serial No. 498,420. In Great Britain October 28, 1941
6 Claims. (Cl. 23—56)

1. A method of producing calcium chromate by a chromic acid-calcium hydroxide reaction, consisting in adding to the chromic acid solution a quantity of calcium hydroxide less than is stoichiometrically required to convert the whole of the chromic acid to calcium chromate and so as to form a solution containing calcium dichromate, cooling said solution below 20° C., then adding further calcium hydroxide so as to produce a solution containing a freely soluble calcium chromate, and maintaining said solution during said further addition and completion of the reaction at a temperature below 20 C.

2,346,494
BOMB RACK
George H. Leland, Dayton, Ohio
Application December 3, 1940, Serial No. 368,386
21 Claims. (Cl. 89—1.5)

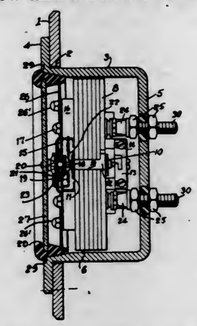


1. A bomb rack having means whereby it may be supported by an aircraft and released for downward movement with relation to said aircraft, said rack comprising a bomb supporting frame, a projectile carried by said frame, means for projecting said projectile in a predetermined path, means for securing a plurality of bombs to said frame, said securing means having a part arranged in the path of said projectile and adapted to release said bombs from said frame when said part is engaged by said projectile, and a controlling device including interengaging parts to normally prevent the operation of said projecting means, one of said parts being adapted to be connected with said aircraft and another of said parts being carried by said rack and movable out of engagement with the first mentioned part to release said projecting means for operation.

18. A bomb rack having means whereby it may be supported by an aircraft and released by downward movement with relation to said aircraft, said rack comprising a structure having a plurality of outwardly facing bomb seats arranged about the axis thereof and each adapted to receive a bomb, a releasable device adapted to be drawn tightly about a plurality of bombs on said seats and maintained under tension to retain said bombs on said seats, means for releasing said retaining device and thereby releasing said bombs, and means for controlling the operation of said releasing means including a part adapted to be connected with said aircraft, and a second part carried by said bomb rack and normally engaging the first mentioned part to prevent the operation of said releasing means, said second part being movable out of engagement with the first mentioned part by the downward movement of said rack with relation to said aircraft to render said releasing means operative.

2,346,495
ELECTRICAL MEASURING INSTRUMENT
Frederick J. Lingel, Bluffton, Ohio, assignor to Ray L. Triplett, Bluffton, Ohio
Application September 12, 1941, Serial No. 410,569
17 Claims. (Cl. 171—34)

4. An electrical measuring instrument comprising a movement formed of a stationary magnet assembly and a coil rotatably associated therewith, said coil carrying a pointer which is adapted to swing over a dial when the coil is energized, a casing having an opening through which the movement is introduced into the casing, and means for closing said opening, said means comprising a window and a rubber self-sealing insert



positioned between the peripheral edge of the window and the interior surface of the casing, said insert being the sole supporting means between the window and the casing.

2,346,496
FILM SOUND RECORDING SYSTEM
George T. Lorance, West Los Angeles, Calif., assignor to Western Electric Company, Incorporated, a corporation of New York
Application June 5, 1941, Serial No. 396,651
3 Claims. (Cl. 88—61)



1. In a recording system, an elongated source of light, a condenser lens forming an image of said source in space, a recording device including a plurality of opaque shutters in the light from said source near, but not at, said image, a relay lens, an optical stop having an aperture with straight parallel sides closely associated with said relay lens and illuminated by the light passing said recording device, a collector lens, an aperture plate having a long narrow slit associated with said collector lens at the focus of said relay lens, a light sensitive surface moved at constant speed, and an objective lens forming an image of said slit on said surface.

2,346,497
SOLUTIZER PROCESS
Lawrence L. Lovell, Wood River, Arthur E. Martin, East Alton, and Francis W. Bell, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 2, 1941, Serial No. 409,270
5 Claims. (Cl. 196—30)

1. In the process of removing mercaptans from sour normally liquid cracked hydrocarbons free from hydrogen sulfide and containing gum forming components, by extraction with a circulating alkali metal hydroxide solution containing an effective amount of a solutizer for mercaptans, whereby a spent solutizer solution is produced which is continuously regenerated and returned to said extraction, the improvement comprising distilling said sour hydrocarbons and immediately thereafter and without allowing contact with air, subjecting the resulting distillate which is free from oxygen and oxygen gum to said extraction.

2,346,498

STABILIZATION OF CELLULOSE ESTERS

Carl J. Malm and Carlton L. Crane, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 10, 1941, Serial No. 382,584
8 Claims. (Cl. 260—230)

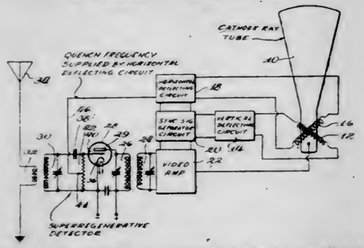
1. A method for stabilizing fatty acid esters of cellulose which comprises stirring a cellulose fatty acid ester selected from the group consisting of (1) the cellulose esters at least some of the fatty acid groups of which have more than two carbon atoms and (2) the partially hydrolyzed cellulose acetates, with a mixture of a water-miscible organic solvent inert to the operative conditions of the method, and water, with which mixture it forms a dough-liquid mass, continuing the stirring while maintaining a pH in the liquid mixture of at least 6 but which will not appreciably hydrolyze the cellulose ester by adding a neutralizing agent at frequent intervals during the stirring until a constant pH of the liquid mixture is attained.

2,346,499

TELEVISION APPARATUS

Henry J. De N. McCollum, Chicago, Ill.

Application August 5, 1942, Serial No. 453,658
3 Claims. (Cl. 178—7.5)



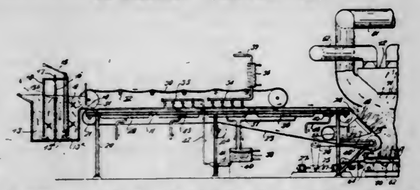
1. In a television receiver having a cathode ray tube for producing the image, a horizontal sweep impulse producing means for said tube, and a video amplifier, the combination of a superregenerative oscillator operating as an amplifier and detector, said oscillator having input and output circuits, means coupling said input circuit to a modulated carrier signal source, means coupling said output circuit to the video amplier, and a circuit deriving an electrical impulse from the horizontal sweep producing means and impressing it upon said oscillator to quench the oscillation thereof in synchronism with the horizontal sweep impulse producing means during the return portion of the sweep impulse produced thereby.

2,346,500

DRYING METHOD AND APPARATUS

Richard C. Moore, Painesville, Ohio, assignor to The Coe Manufacturing Company, Painesville, Ohio, a corporation of Ohio

Application January 20, 1942, Serial No. 427,482
21 Claims. (Cl. 134—30)



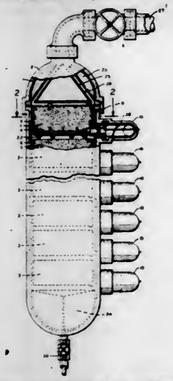
4. The method of treating crumbs of tacky material which comprises advancing the material while in contact with a soapy liquid, depositing the material on a screen belt so as to separate it from the liquid, washing the material while on the belt to remove the soapy liquid, advancing the material by movement of the belt to a point adjacent a drier, and discharging air through said screen belt from the under side thereof and with sufficient velocity to remove the crumbs from the belt and carry them into the drier.

2,346,501

APPARATUS FOR SUBJECTING FLUIDS TO CONTACT WITH SOLID PULVERULENT MATERIAL

Richard E. Nagle, New York, and David K. Beavon, Fleetwood, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Application September 28, 1940, Serial No. 358,794
5 Claims. (Cl. 23—288)



1. In a treating vessel for effecting contact between a solid pulverulent contact material and a fluid undergoing treatment, a contact receptacle comprising a pan for retaining a contact mass, a perforated plate within the pan spaced a short distance from its bottom for supporting the mass thereby providing a space between the bottom of the contact mass and the bottom of the pan, an outlet port in the bottom of said pan, a port in the wall of the vessel adjacent to the port in said pan and opening into a discharge pipe exterior of said vessel, a flexible conduit forming a discharge outlet from the port in said pan and extending a substantial distance within said discharge pipe, and means for forming a leakproof closure between the interior of said discharge pipe and the exterior of the extended portion of said conduit.

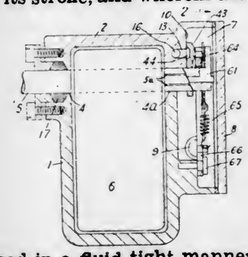
2,346,502

FLUID PRESSURE MOTOR

William Edward O'Shei, London, England

Application April 5, 1943, Serial No. 481,843
In Great Britain March 31, 1942
8 Claims. (Cl. 121—97)

2. A motor for operation by compressed fluid comprising a piston chamber having two interconnected piston elements slidable therein and connected to drive a rotatable shaft arranged therebetween with a back and forth movement, said shaft also passing through a bearing into a valve chamber, a valve mechanism including a valve on a seat, the latter having an exhaust port and two piston chamber ports, the valve acting in one position to uncover one chamber port to the valve chamber while simultaneously connecting the other chamber port to the exhaust port to the exclusion of the valve chamber, said valve acting in another position for reversing the port connections, said valve mechanism being actuated by the movement of the shaft which changes over the valve with a snap action overcentre motion when a piston element approaches the end of its stroke, and wherein the valve chamber is closed in a fluid tight manner and is connected in direct fluid communication with the space in the piston chamber between the two piston elements; the shaft passing through a second bearing to the exterior of the motor, and packing means in the second bearing preventing leakage of fluid pressure therepast.

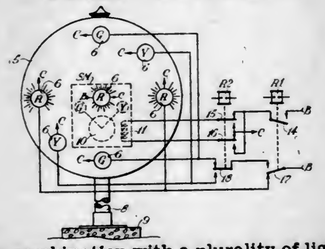


2,346,503

LIGHT SIGNAL

George R. Pflasterer, Greenville, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 23, 1942, Serial No. 427,977
4 Claims. (Cl. 177—327)



3. In combination with a plurality of light units arranged in rows intersecting at a common point provided with one of said light units common to all of said rows, a plurality of distinctively colored filters one for each of said rows, a mechanism for selectively interposing one or another of said light filters in the beam of said common light unit, and a plurality of color filters one disposed in the beam of each of the remaining light units, the filters of the remaining light units of each row being of uniform color and the filters of the different rows being of a different one of said distinctive colors.

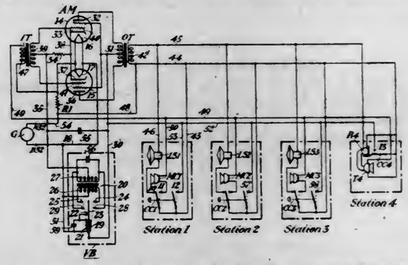
2,346,504

APPARATUS FOR COMMUNICATION SYSTEMS

Willard P. Place, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application April 3, 1943, Serial No. 481,683
6 Claims. (Cl. 179—1)

1. In combination; a plurality of stations each including a loud speaker, a microphone and a circuit controller; each said controller operable to a first and a second position, an electron tube amplifier common to all of said stations, a filament circuit including a supply source of current and a resistor to heat said amplifier tube, a plate circuit including a winding of an output transformer and a plate current source for said tube, but which source is normally inactive, a grid circuit including a winding of an input transformer for said tube, a first circuit means for each of said stations and including a first position contact of the respective controller to connect the respective loud speaker to a winding of said output transformer, a second circuit means for each of said stations and including a second position contact of the respective controller to connect the respective microphone in series with a winding of said input transformer across said filament circuit resistor, and a third circuit means for each of said stations and including a second position contact of the respective controller to render said plate current source active.

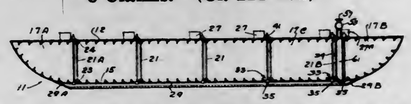


2,346,505

BARGE

John Preuss, Memphis, Tenn.

Application March 26, 1943, Serial No. 480,606
8 Claims. (Cl. 114—74)



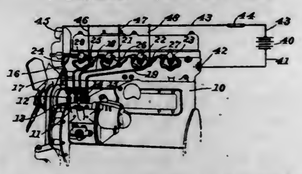
1. In a vessel which includes a plurality of tanks having substantially flat bottoms, and adapted to carry liquid, a keel comprising a substantially channel-shaped member depended below and extending as an uninterrupted channelway along all of said tank bottoms and adapted to serve as a joint sump for all thereof, said tanks each having a valve controlled opening into said channelway.

2,346,506

FUEL HEATING APPARATUS

James D. Pulliam, San Antonio, Tex., assignor of five per cent to Donald R. Parker; five per cent to R. W. Barnes; ten per cent to Augustus McCloskey and A. T. Stevens (jointly), and forty per cent to N. A. Saigh

Application February 1, 1943, Serial No. 474,355
7 Claims. (Cl. 219—38)



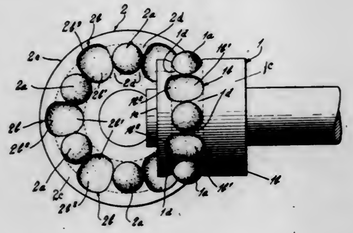
1. The combination with an engine of the Diesel type having a fuel injector associated with its cylinder, a fuel pump and a pipe for delivering fuel under pressure from the pump to the

injector, of means for heating the fuel in said pipe, for starting purposes, to an elevated temperature below the point of vaporization of the fuel at the pressure maintained in the pipe, said means comprising an electric resistance element positioned exteriorly of the pipe in heat exchange relation thereto, and means for conducting current therethrough, to heat the element, the pipe and the fuel therein.

2,346,507
GEAR CONSTRUCTION

Aloysius J. Quinn, North Bergen, N. J., assignor to Brooks Equipment Corp., a corporation of New York

Application July 15, 1943, Serial No. 494,781
4 Claims. (Cl. 74—416)



1. A gear assembly embodying, in combination, a pair of overlapping gears, comprising two members one having a disc-like flat surface at substantially a right angle to its axis of rotation and the other having a substantially circular peripheral surface, each of said members having substantially semi-spherical projecting teeth and alternate mating depressions of substantially semi-spheroidal shape.

2,346,508
HYDROCHLORIDES OF AMINO-AZO-TOLUENES

Graham McGavock Richardson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 11, 1941, Serial No. 414,595
4 Claims. (Cl. 260—205)

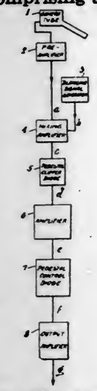
1. The process which comprises treating amino-azo-toluene with about 2% to about 10% hydrochloric acid and at a temperature of about 80° to about 100° C. until a hydrochloride is formed which has a lower density and a higher diazotization value when it is dried at an elevated temperature and at atmospheric pressure than an amino-azo-toluene which is treated in said acid solution at a lower temperature and dried, the quantity of said acid being at least sufficient to form said lower density hydrochloride.

2,346,509
TELEVISION SIGNAL CONTROL CIRCUIT

Robert E. Rutherford, Rutherford, and Richard L. Campbell, Maywood, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application December 18, 1941, Serial No. 423,460
4 Claims. (Cl. 178—7.2)

1. In a television signal control circuit, means for mixing video and blanking signals, means for establishing flat top pedestals for synchronization, and means comprising a diode tube for con-

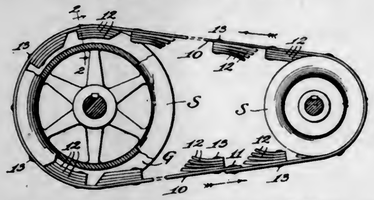


trolling and varying the amplitude of said pedestals.

2,346,510
POWER TRANSMISSION BELT

Harry C. Schaper, Buffalo, N. Y.

Application March 31, 1942, Serial No. 436,980
8 Claims. (Cl. 74—233)

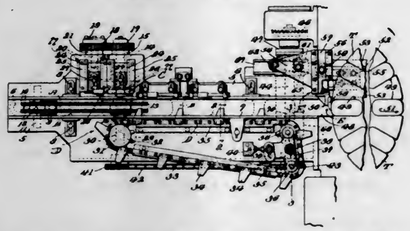


3. In a V-belt, a continuous flexible power transmitting member, a plurality of longitudinally disposed laminated friction elements carried by the inner face of said power transmitting member and spaced apart longitudinally thereof and each set of laminated friction elements being secured to the power transmitting member at one end in cantilever form.

2,346,511
CAN BODY FEEDING MEANS

Otto A. Schmitt, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application October 9, 1941, Serial No. 414,385
12 Claims. (Cl. 198—24)



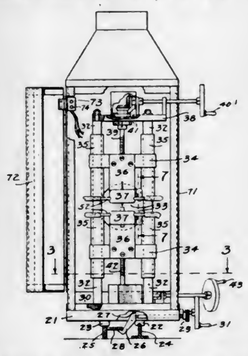
1. In apparatus of the character described, a rotary pocketed turret adapted to be moved station by station to present pockets serially at stations including a can body receiving station, means for feeding can bodies along a single

straight line one by one toward and into serially presented turret pockets, said last named means comprising a power driven traveling can body feed-in conveyor for feeding can bodies in abutting relation, power actuated means reciprocable across the path of travel of the can bodies for intercepting the can bodies of the conveyor and then intermittently releasing them one by one to move in spaced relation toward the turret, and conveying means including a four-motion feeder element engageable with the spaced can bodies for moving them individually into the serially presented turret pockets.

2,346,512
ELECTRODE HOLDER FOR SPECTROGRAPHIC ANALYSIS

Bourdon Francis Scribner, Washington, D. C., and Charles Howard Corliss, Medford, Mass., assignors to the Government of the United States, as represented by the Secretary of the Department of Commerce

Application April 21, 1943, Serial No. 483,974
9 Claims. (Cl. 240—11.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electrode clamp comprising a movable jaw provided with two rigidily attached bars and a passage for cooling fluid, a fixed jaw provided with a groove for each of said bars and also provided with a passage for cooling fluid, resilient means for closing said jaws, and manually operated means for opening said jaws in opposition to said resilient closing means.

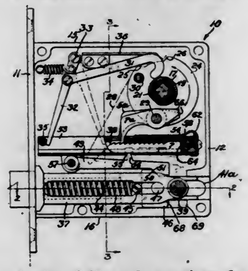
4. The combination with an electrode holder for spectrographic analysis, of a two-part protecting housing opaque to rays injurious to eyes, comprising a relatively fixed portion and a closure portion hinged to said first portion, an electric lamp mounted within the closure portion and supplied by a lighting circuit, a circuit closer for said circuit for completing said circuit when the housing is opened, a bar pivoted to one part of said housing and slidably connected with the companion housing portion, and a stop limiting the movement of said bar and housing to set said lamp in a predetermined optical path, whereby light may be directed at the electrodes and through an opening in the rear of the housing to permit forming an image of the electrodes on a screen and thus facilitate the adjustment of the electrode positions.

5. A sample holding accessory clamp for spectrographic analysis comprising an electrically conductive frame acting as a fixed supporting jaw for samples, a clamping jaw hinged to said frame, screw-operated means for transmitting force to said clamping jaw and an electrically conductive attaching stud secured to said frame and adapted to be detachably engaged in a permanent electrode clamp.

2,346,513
DOOR LOCK

Wilson S. Sidelinker, Wilmington, Mass.

Application September 9, 1942, Serial No. 457,694
4 Claims. (Cl. 70—299)



1. A door lock of the character described having, in combination, a movably supported bolt; a movably supported bolt-retracting member; an adjustable detent for normally holding said bolt retracting member against movement in a direction to retract said bolt; a set of movably supported tumblers for controlling said detent and normally securing the same in its operative position, each of said tumblers being made with a rack of teeth; a bolt-operating spindle; a plurality of pivoted pawls carried by said spindle, one for each tumbler; an apertured tumbler-shielding master member adjustably supported in position to control the engagement of said pawls with the racks of said tumblers, said member being adjusted by said pawls to cause the latter to successively engage and successively adjust said tumblers when said spindle is rotatively reciprocated in a predetermined manner thereby to free said detent and said bolt-retracting member; means through which said spindle acts, when reciprocated in said predetermined manner, to operate said bolt-retracting member to retract said bolt after it has been freed, and means through which said spindle acts, when reciprocated in said predetermined manner, to restore said tumblers and said master member to their normal positions after said bolt retracting member and bolt have been operated.

2,346,514
CLUTCH MECHANISM

Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

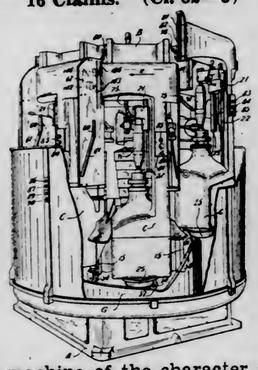
Application May 5, 1941, Serial No. 391,918
23 Claims. (Cl. 192—62)



1. In an agricultural implement, a power actuated shaft, lifting mechanism actuated by said

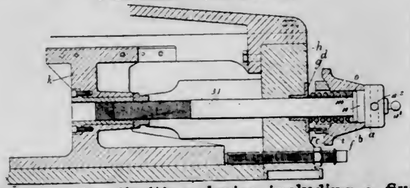
shaft and including a shiftable part for controlling the operation of said mechanism, a casing movably disposed on said shaft, and a connection between said casing and said shiftable part whereby movement of said casing acts through said shiftable part for controlling said mechanism.

2,346,515
TURNING MACHINE
Otis E. Staples, Euclid, Ohio, assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio, a corporation of Ohio
Application February 2, 1943, Serial No. 474,433
16 Claims. (Cl. 82—3)



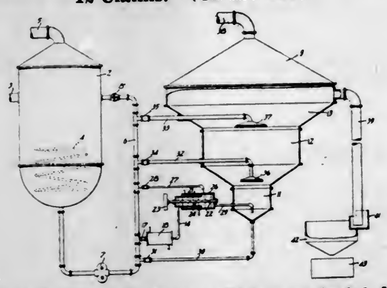
9. In a machine of the character referred to, the combination of: a base; a turret rotatably supported by said base; a plurality of metal working units carried by said turret; means for rotating said turret whereby said units are moved in sequence through a loading station; each of said metal working units comprising a rotatable spindle, means for rotating said spindle, and means for controlling the actuation of said last-named means; and means for preventing the operation of said means for rotating said turret until a plurality of said means for controlling the actuation of said means for rotating said spindles have been actuated.

2,346,516
STOP DEVICE FOR THREADING, ROLLING, AND OTHER MACHINES
Leo Caspar Steinle, Wimbledon, London, and Cedric Harold Hanwell, Cogenhoe, England
Application April 6, 1943, Serial No. 482,064
In Great Britain March 25, 1942
7 Claims. (Cl. 80—6)



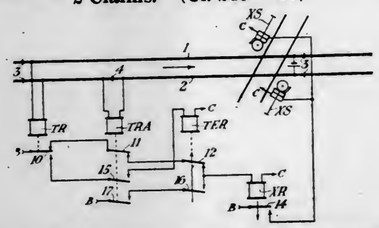
1. A motion-limiting device including a fixed abutment surface, an adjustable stop head on a member and a rigid buffer ring inserted between said adjustable stop head and said fixed abutment surface, said buffer ring being domed, preferably spherically, on one face for engagement with a similarly shaped concave surface on said adjustable stop head, and being furnished with three projections on the opposite face for engaging said fixed abutment surface.

2,346,517
METHOD OF CRYSTALLIZING MATERIAL
John Henry Thompson, Burlingame, and Edward Taber Winslow, Saratoga, Calif., assignors to J. D. & A. B. Spreckels Company, San Francisco, Calif., a corporation of California
Application October 4, 1940, Serial No. 359,664
12 Claims. (Cl. 127—58)



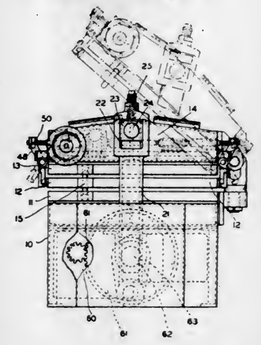
1. The method of crystallizing material from solution, which comprises arranging the solution in a plurality of vertically disposed zones, introducing fresh solution of predetermined concentration and temperature into each of said zones, in sufficient quantity to maintain a substantially constant degree of supersaturation introducing seed crystals into a lower zone, maintaining a predetermined absolute pressure on the solution, and discharging finished crystals from an upper zone.

2,346,518
HIGHWAY CROSSING SIGNAL CONTROL SYSTEM
Thomas W. Tizzard, Jr., Downers Grove, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 7, 1942, Serial No. 461,102
2 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located at the crossing, a control relay effective when energized to prevent operation of said signal, the rails of said track stretch being divided by insulated joints into an approach section which is traversed by a train approaching said crossing, a source of energy connected across the approach section rails at the end of the section adjacent the crossing, a principal track relay connected across the approach section rails at the end of the section remote from the crossing, an auxiliary track relay connected in series with one of the rails of the approach section at an intermediate point in said section, the track relays and the source of energy being proportioned so that when the approach section is vacant the principal track relay is picked up and the auxiliary track relay is released and so that on entrance into the section of a train approaching the crossing the auxiliary track relay picks up and remains picked up until the train advances beyond said auxiliary relay, a timing relay having a normally open contact which on the supply of energy to the relay winding becomes closed only after the expiration of a predetermined time interval, a circuit including a front contact of said principal track relay and a back contact of said auxiliary track relay for supplying energy to said control relay, a circuit including a back contact of said principal track relay and a front contact of said auxiliary track relay for supplying energy to said timing relay, and a circuit including said timing relay contact for supplying energy to said control relay.

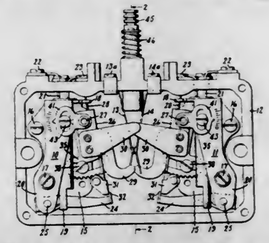
2,346,519
PLATEN PRESS
Henning T. Tornberg, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application September 7, 1940, Serial No. 355,770
7 Claims. (Cl. 18—17)



6. A dual press of the character described including a lower relatively fixed press member and an upper relatively movable press member, a platen on each of said members and an intermediate platen, relatively movable elements carried by the upper press member and said intermediate platen adapted to be releasably engaged to connect the intermediate platen to the upper press member, and means for relatively moving said elements at will to connect or disconnect said intermediate platen to said upper press member, whereby the intermediate platen may be connected to move with the upper press member or may be allowed to rest on the lower platen or upon work mounted on the latter, said press including means for preventing operation of said relatively movable elements to disconnect said intermediate platen from the upper press member except when the upper and lower press members are in press-closed positions.

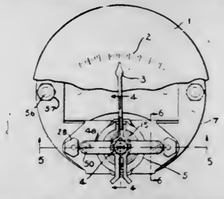
2,346,520
ELECTRIC CIRCUIT CONTROLLER
George R. Townsend, Schenectady, and Chester I. Hall, Vischer's Ferry, N. Y., assignors to General Electric Company, a corporation of New York
Application February 17, 1943, Serial No. 476,202
7 Claims. (Cl. 200—116)

1. An electric circuit controlling apparatus comprising a pair of cooperating switch contacts, a switch actuating member biased for movement to a released position to effect circuit controlling movement of said contacts, a movable detent member for normally releasably retaining said switch actuating member in a latched position against its bias, and means for adjusting the latched position of said switch actuating member



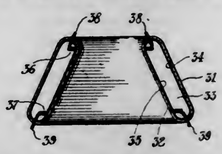
with respect to said detent member comprising a laterally adjustable pivot pin and adjustable means rotatably mounted upon said adjustable pivot pin for pivotally supporting said switch actuating member.

2,346,521
ELECTRICAL MEASURING INSTRUMENT
Ray L. Triplett, Bluffton, Ohio
Application May 11, 1942, Serial No. 442,443
7 Claims. (Cl. 171—95)



1. An electrical measuring instrument comprising a magnet assembly terminating in opposed pole pieces, a metal plate of substantially the same shape as the magnet assembly but having greater width than the assembly in the region of the pole pieces, and a stationary U-shaped frame member extending over the pole pieces and carrying the movable element of the instrument, the legs of said frame member being spaced apart a distance greater than the width of the magnet assembly at the pole pieces but equal to the width of the metal plate in the region of the pole pieces, whereby the frame member fits snugly about the metal plate and means for attaching said plate rigidly to said magnet assembly whereby the U-shaped frame is held in alignment with the magnet assembly by said metal plate.

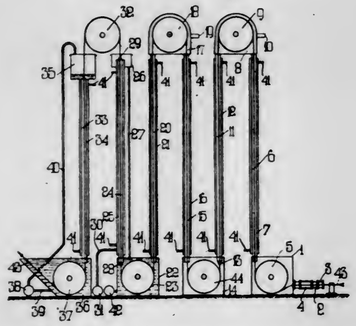
2,346,522
FLUORESCENT LAMP
Karel Van Gessel, New York, N. Y., assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 12, 1942, Serial No. 442,669
3 Claims. (Cl. 176—122)



1. A gaseous electric discharge lamp comprising an envelope having two substantially parallel

concentric conically shaped wall portions joined together at their apex and base portions to form a truncated annular discharge space, a gaseous medium within said discharge space for generating high intensity radiations within the invisible portions of the spectrum, two annular shaped electrodes for ionizing the gaseous medium, one of said electrodes being positioned at the apex portion of the discharge space and the other of said electrodes being positioned at the base portion of the discharge space, and coatings of fluorescent material on the opposing surfaces of the wall portions and exposed to the discharge space.

2,346,523
PROCESS FOR IMPREGNATING CABLES
Russell Swale Vincent, London, England, assignor to Callenders Cable and Construction Company Limited, London, England, a British company
Application January 28, 1939, Serial No. 253,454
In Great Britain February 2, 1938
3 Claims. (Cl. 117—61)

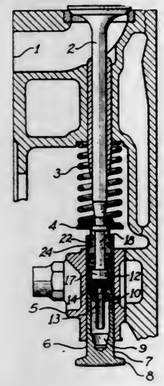


1. A method of treating insulated cable in continuous lengths which comprises continuously passing the cable between surfaces engaging the cable by dry friction in vacuum-sealing relationship into an evacuated space and out of said space through a liquid seal of impregnating composition, and subjecting the cable to preliminary heating before its entry into said evacuated space.

2,346,524
PRODUCTION OF THIOPHENE-FREE BENZENE
Heber Von Lauer, Gary, Ind., and George Charles Ponchaud, Joliet, Ill.
No Drawing. Application June 18, 1942, Serial No. 447,608
9 Claims. (Cl. 260—674)

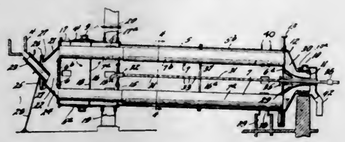
1. The process of recovering thiophene-free benzene from light oil produced in coal distillation, which comprises washing the light oil with sulphuric acid to remove unsaturated compounds present in the oil, neutralizing the resulting acidified oil, separating the neutralized oil, distilling the said oil to recover therefrom various grades of benzene which contain thiophene among their impurities, treating the said benzene with starch or starch-yielding substances and sulphuric acid in amounts sufficient to remove the thiophene contained in the benzene, agitating the benzene with the starch and sulphuric acid until the thiophene contained in the benzene is reduced to from below 0.000035 per cent to complete removal, and recovering thiophene-free benzene therefrom.

2,346,525
INTERNAL COMBUSTION ENGINE
Harry E. Voorhies, Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 20, 1942, Serial No. 451,546
14 Claims. (Cl. 123—90)



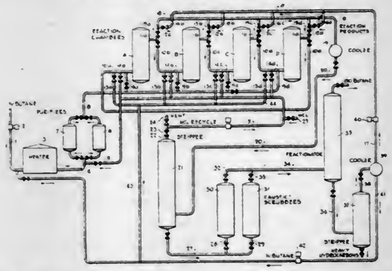
7. In a valve gear train, a self-compensating hydraulic valve tappet and rotator operated thereby comprising in combination, a tappet body having a longitudinal bore adapted to receive an hydraulic compensating mechanism therein, a liquid reservoir in the tappet bore, a plunger reciprocable in said hydraulic mechanism arranged to contact the foot end of said valve and effect a predetermined escapement of hydraulic fluid, means comprising a second plunger disposed in the tappet bore hydraulically actuated by fluid escapement from said compensating mechanism arranged to contact a valve spring retainer of said valve gear train to relieve the load thereof and free the valve for rotation, and said second plunger arranged to provide a predetermined escapement of hydraulic fluid therefrom less than the fluid escapement by said first plunger to effect a selected rate of compensation of the tappet and rotator operated thereby.

2,346,526
WATER-COOLED TUBE COOLER
Robert S. Walker and Fred A. Mertz, Allentown, Pa., and Ruland R. Shafter, Freeport, N. Y., assignors to Traylor Engineering and Manufacturing Company, Allentown, Pa., a corporation of Delaware
Application May 27, 1942, Serial No. 444,736
3 Claims. (Cl. 257—94)



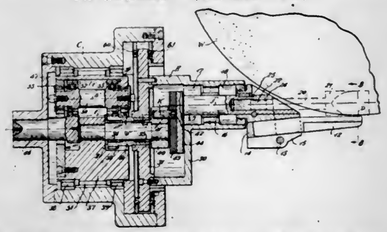
1. A tube cooler comprising a substantially horizontally-disposed housing, a series of heat-conductive muffle tubes extending longitudinally through the housing, means for unitarily rotating said tubes, means for introducing material to be cooled into the tubes at one end of the housing, said tubes being of longitudinal sectional construction, and the sections of said tubes being of different diameters telescopically and slidably interfitted adjacent their opposed ends, and means upon the housing for supporting the tubes adjacent their ends and intermediate their lengths at a point adjacent the telescopically interfitting sections thereof.

2,346,527
ISOMERIZATION
Halsted R. Warrick, Teaneck, N. J., and Claude W. Watson, Tuckahoe, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 29, 1941, Serial No. 385,838
5 Claims. (Cl. 260—683.5)



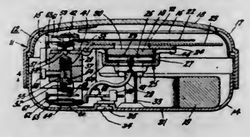
3. In a continuous process of isomerizing hydrocarbons by contact with an isomerization catalyst in the presence of a promoter for the catalyst wherein a stream of hydrocarbons undergoing isomerization passes through a plurality of reaction zones in series, each of said zones containing said catalyst, the steps comprising maintaining more active catalyst in the initial zone and less active catalyst in the final zone of said series, passing said hydrocarbon stream through the series in order of decreasing catalyst activity, maintaining each zone under isomerizing conditions, increasing the concentration of promoter in said stream of hydrocarbons as it advances through the succeeding zones, the concentration of promoter in the initial zone being less than that in a succeeding zone, and commingling fresh feed hydrocarbon with the stream passing between zones to thereby control the temperature in a succeeding zone.

2,346,528
DRESSING DEVICE FOR GRINDING WHEELS
John Welsand, Jr., and Lloyd Leslie Lee, Detroit, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 5, 1942, Serial No. 445,868
12 Claims. (Cl. 125—11)



5. In a dressing device for producing a profile including a reverse curve the combination of: a member; a tool holder; means for pivotally supporting said tool holder in said member for oscillation about an axis offset from the profile to be produced and angularly disposed to the plane thereof; said tool holder having a tool extending transversely of the axis of oscillation of the tool holder; means for moving said member in a plurality of directions in a plane at right angles to the axis of oscillation of said tool holder; and means for oscillating said tool holder about its pivotal axis simultaneously with and in predetermined relation to the movement of said member whereby the longitudinal axis of the tool is always maintained substantially normal to the profile being produced at its point of contact therewith.

2,346,529
PHOTOMETER
James M. Whittenton, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application March 14, 1942, Serial No. 434,713
2 Claims. (Cl. 88—23)

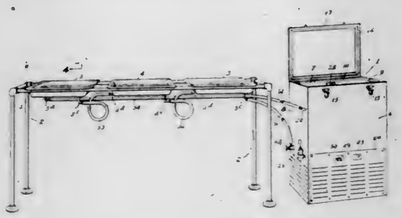


1. A light meter and casing therefor said casing conforming in size and shape to a watch casing having thin non-magnetic metallic back and edge walls and a front transparent cover portion, an electrical measurement instrument within said casing comprising a horseshoe permanent magnet having a lateral circular outline and lateral size conforming substantially to the lateral circular shape and lateral interior size of said casing, the back of the yoke portion of said magnet resting against the inner back wall of said casing and the pole piece portions of said magnet being offset relative to the yoke portion thereof towards the cover of said casing to provide a recess beneath the pole piece portion adjacent the back wall of the casing, an armature winding for said instrument rotatively mounted between the pole pieces of said magnet and having a spiral conductor lead and support therefor between the pole pieces and the back wall of said casing in said recess, a non-magnetic light-sensitive cell structure within said casing occupying space, in depth, between the yoke portion of said magnet and transparent cover and, laterally, between the magnetic pole pieces and the opposite side wall of said casing whereby the thickness of said casing is not required to be increased by reason of the presence of said light-sensitive cell structure, said cell being exposed to light entering said transparent cover and electrically connected in series with said moving coil armature, and a stationary scale and a moving pointer for said instrument exposed through the transparent cover of said casing, said light-sensitive cell extending diametrically substantially across the central portion of said casing between the magnet and scale and beneath the pointer.

2,346,530
PHOTOGRAPHIC DEVELOPING APPARATUS
John Wyllie, Jr., Detroit, Mich., assignor to Temprite Products Corporation, Detroit, Mich., a corporation of Michigan
Application August 27, 1942, Serial No. 456,327
2 Claims. (Cl. 95—89)

1. In photographic developing apparatus, the combination with a cabinet structure comprising a liquid-tight tank adapted to hold a tempera-

ture-regulating water bath, a plurality of open-topped, metal-walled containers for photographic developing solutions disposed in the said tank to be contacted by the temperature-regulating water held therein, an automatic mechanical refrigerating apparatus housed in the said cabinet for maintaining the water of the said bath approximately at a predetermined temperature; of a plurality of trays for photographic developing solutions having for each tray a wall with a water jacket constructed for the circulation there-



through of temperature-regulating liquid, said trays being outside the said cabinet and movable independently of each other and of the cabinet; liquid conduit means connecting the water bath tank of the cabinet and the said trays in series in a closed circuit, said conduit means comprising flexible sections permitting considerable freedom of movement of the said trays in relation to each other and to the cabinet; and motor-driven means associated with the cabinet for circulating liquid through the said closed circuit.

2,346,531

AZOLE DISAZO DYE COMPOUNDS AND THEIR MANUFACTURE

Charles F. H. Allen and Gordon F. Frame, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 1, 1942, Serial No. 445,384
15 Claims. (Cl. 260—157)

2. The disazo dye compounds having the formula:

$$R—N=N—R_1—N=N—R_2$$

wherein R—N=N— represents the residue of a diazotized member selected from the group consisting of an aminobenzotriazole, a 3-amino-1,2,4-triazole and a 5-aminotetrazole, R_1 represents the residue of a coupling component selected from the group consisting of 1-amino-8-naphthol-3,6-disulfonic acid, 2-amino-5-naphthol-7-sulfonic acid, 1-amino-8-naphthol-4,6-disulfonic acid and 1-amino-8-naphthol-4-sulfonic acid and —N=N—R_2 stands for the residue of a diazotized member selected from the group consisting of an amino-benzotriazole, a 3-amino-1,2,4-triazole, a 5-aminotetrazole, an aminoindazole, an amino-2-mercaptobenzoxazole and an amino-2-mercaptobenzothiazole.

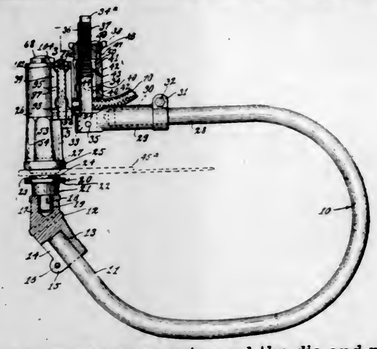
2,346,532

PNEUMATIC BODY AND FENDER HAMMER

Ferdinand H. Borm, Elgin, Ill.

Application January 12, 1942, Serial No. 426,463
10 Claims. (Cl. 153—48)

1. A device of the kind described including a frame having confronting portions, an upright post on one portion, a hammer head freely slidable on the post, a die on the frame opposing the hammer head, a nut on the post engaging the



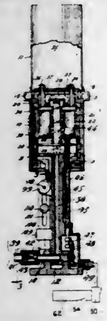
head to press the same toward the die and means coacting between the nut and the head to hold the nut against turning.

2,346,533

CONTROL SYSTEM FOR MOTOR VEHICLES

Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.

Original application October 2, 1929, Serial No. 396,691. Divided and this application January 17, 1944, Serial No. 518,649
16 Claims. (Cl. 192—.01)



1. Clutch control mechanism for an automotive vehicle provided with a clutch having driving and driven elements and comprising in combination therewith, a pressure differential operated motor operably connected with the clutch, a primary control valve operative to initiate the disengaging and engaging operations of said motor, and a pressure differential operated valve, operable when the clutch elements initially contact, to automatically vary the rate of clutch engagement.

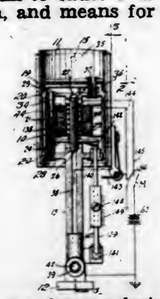
2,346,534

CONTROL SYSTEM FOR MOTOR VEHICLES

Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.

Original application October 2, 1929, Serial No. 396,691. Divided and this application January 17, 1944, Serial No. 518,650
18 Claims. (Cl. 192—.01)

1. In a clutch control device for motor vehicles, a power device operatively connected to the clutch, means connecting said power device to a source of vacuum to cause said device to disengage the clutch, and means for controlling said



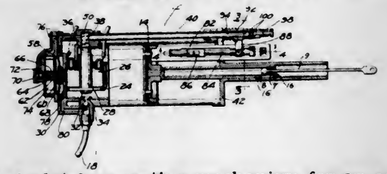
connecting means for rendering said vacuum operative to vary the engaging movement of the clutch.

2,346,535

CLUTCH CONTROL MECHANISM

Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.

Application April 28, 1932, Serial No. 608,107
42 Claims. (Cl. 192—.01)



1. A clutch operating mechanism for an automotive vehicle provided with an internal-combustion engine having an intake manifold and further provided with a clutch, said operating mechanism comprising a vacuum operated fluid motor and a control valve for said motor, and means connected to said motor and manifold for controlling the clutch engaging function of said motor, said means being operable in accordance with the degree of manifold vacuum.

2,346,536

SAFETY COVER FOR SHEARING MACHINES

Victor Alejandro Cabeza, Rio Grande, Argentina

Application January 5, 1944, Serial No. 517,056
In Argentina November 17, 1943
8 Claims. (Cl. 30—123)



1. Improvements in safety covers for shearing machines, of the type comprising a leather body of a shape suitable to be adapted against the body of the shearing machine grip, with perforations for facilitating the lubrication of said shearing machine, wherein the upper face of said leather body is provided with a series of projections arranged so as to leave said lubricating perforations uncovered.

2,346,537

TONGS AND THE LIKE

Frank D. Fernandez, New York, N. Y.

Application April 10, 1943, Serial No. 482,625
5 Claims. (Cl. 294—99)

1. In a device of the character described, the combination with a pair of members, one of said members having a plurality of substantially coextensive integral finger-like portions, one of said portions being pivotally connected to the other member, another of said portions engaging the



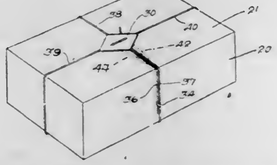
surface of the said other member adjacent said pivot, said last named portion constituting spring means for yieldingly maintaining the free ends of said members in a predetermined position.

2,346,538

CONTAINER

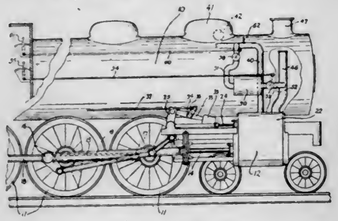
Max Kleinmann, New York, N. Y., assignor to American Safety Razor Corp., Brooklyn, N. Y., a corporation of Virginia

Application October 5, 1939, Serial No. 298,037
1 Claim. (Cl. 229—46)



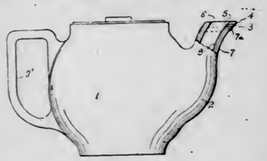
A container having a plurality of container parts, one of said parts having a hole, said parts being adapted for movement with relation to each other to present in an open position of said parts a container opening through which the container may be loaded or unloaded and in a closed position thereof a closure for said opening; a relatively short cord; a relatively long cord; one of the ends of each of said cords being interconnected at a first interconnection; a first enlargement at said first interconnection; the remaining end of said relatively short cord being connected to the relatively long cord at a point spaced from the ends thereof at a second interconnection; a second enlargement disposed at said second interconnection; a third enlargement on both of said cords disposed between the first and second enlargements; a handle member provided with first, second and third orifices, said member being movably connected upon both of said cords between the second and third enlargements; said cords being movably secured to one of the container parts having the hole, by penetrating said hole, the container part being disposed between the first and third enlargements; said cords both penetrating said second orifice, the relatively short cord penetrating said first orifice, and the relatively long cord penetrating said third orifice.

2,346,539
BRAKE APPARATUS
Arthur Black Kyle, Vancouver, British Columbia, Canada
Application August 18, 1943, Serial No. 499,135
6 Claims. (Cl. 188—99)



1. Brake apparatus for a locomotive having a cylinder with a driving piston therein, a steam chest with a piston valve for controlling the driving piston, and reversing mechanism; which comprises a supply pipe for directing steam to the chest, a throttle valve in said pipe, means for operating the throttle valve, an exhaust pipe for removing exhaust steam from the chest, means connecting the supply pipe to the exhaust pipe, and means for controlling the air directed into the exhaust pipe as said air is pumped thereinto by the driving piston when the throttle valve is closed and the piston valve has been put into reverse.

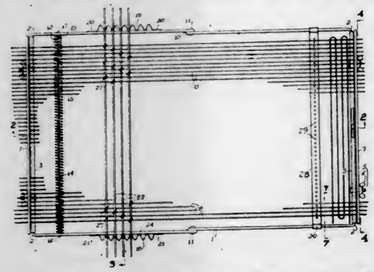
2,346,540
DRIPLESS SPOUT
Albert C. Osterheld, Cleveland, Ohio
Application June 19, 1941, Serial No. 398,821
3 Claims. (Cl. 221—158)



1. A spout for pouring vessels having a hole or passage extending from the outer surface of the spout to the inner surface thereof, and of a cross section to afford capillary action of liquid entering the same, said passage or hole so located just below the pouring lip of the spout that liquid running down the outer surface of the spout will cover the hole and be drawn inwardly into the hole by capillary action, and means below the outer end of the hole or passage to overcome the attraction of liquid for the surface of the spout, enabling the capillary action to be fully effective to draw all of the liquid inwardly in the hole.

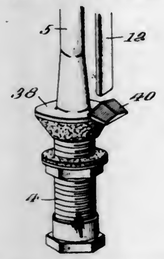
2,346,541
WEAVING MACHINE
Bessie S. Owen and Beulah Fay Meek, Cleveland, Ohio
Application May 8, 1941, Serial No. 392,526
5 Claims. (Cl. 139—33)

1. In a weaving machine, in combination, a base frame, comprising sides and ends, the ends being made up of telescoping parts for facilitating movement of the side members toward and from each other, means cooperating with the ends of the frame to fix the same in adjusted positions and thereby hold the side parts of the frame correspondingly fixed, guide members carried by the sides of the frame and provided with vertical guiding portions, heddle beams mounted for vertical sliding movement in the guiding



portions of said guiding members, thread anchoring means at opposite ends of the frame, and means for connecting warp threads anchored to the ends of the frame to the heddle beams.

2,346,542
WATER-FLOW SILENCER
Walker F. Peterson and Albert U. Walter, Baltimore, Md., assignors to Quiet Flow Devices, Inc., Baltimore, Md., a corporation of Maryland
Original application August 11, 1937, Serial No. 158,622, now Patent No. 2,283,945, dated May 26, 1942. Divided and this application April 24, 1939, Serial No. 269,764
9 Claims. (Cl. 137—21)

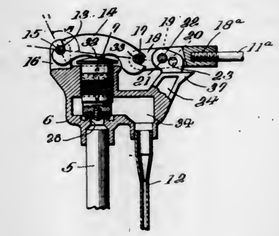


7. A device for quietly receiving the impact of a liquid jet moving at high velocity, comprising means having successive elevations and depressions spaced apart between one-sixteenth and one-eighteenth of an inch for providing a roughened surface disposed across the path of the jet for deflecting and breaking up the same into innumerable fine streams, and means for maintaining a supply of liquid about said roughened surface substantially throughout the duration of flow of said jet.

2,346,543
VALVE AND ACTUATOR ASSEMBLY
Walker F. Peterson and Albert U. Walter, Baltimore, Md., assignors to Quiet Flow Devices, Inc., Baltimore, Md., a corporation of Maryland
Original application August 11, 1937, Serial No. 158,622, now Patent No. 2,283,945, dated May 26, 1942. Divided and this application April 24, 1939, Serial No. 269,765
3 Claims. (Cl. 137—104)

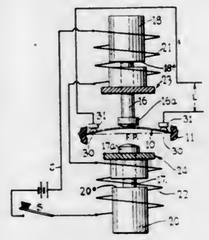
3. A ballcock assembly having a valve body provided with a bore and a valve seat, a valve closure member in said bore movable downwardly for closing and upwardly for opening water passage at said seat, an actuated lever having a

fixed pivot connection relative to the valve body and effective for pressing said valve closure member downwardly and itself receiving an upward force due to back pressure during full flow, an actuating lever having a movable pivot connection to said actuated lever and having a float arm, said actuated lever having open-ended slots therein as a part of said fixed and movable pivot connections, a bracket element on said valve body having a plurality of apertures therein located at different distances from the fixed pivot connection, said actuating lever having a plurality of apertures located at different distances



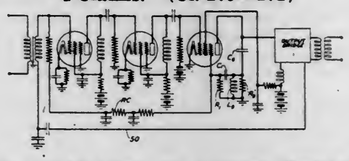
from said movable pivot connection, and a shiftable pivot member for providing an adjustable fulcrum for said actuating lever relative to the valve body whereby to determine the lever ratio of the movement of said levers in accordance with the water supply pressure, stop means carried by the valve body for restricting the opening movement of the actuating lever, the apertures in said bracket element being so located and arranged relative to corresponding apertures in the actuating lever that the float arm is restricted at substantially the same position for all selections of said lever ratio whereby to prevent separation of parts at said pivot connections.

2,346,544
TOGGLE SPRING ACTUATING MEANS
William E. Stilwell, Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application July 8, 1942, Serial No. 450,138
16 Claims. (Cl. 175—335)



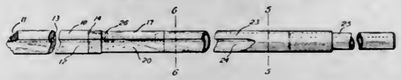
1. In combination with a toggle spring and mounting therefor, actuating means positioned in opposed relationship with respect to said toggle spring and movable with respect thereto, and means whereby each said actuating means is moved simultaneously in the direction of said toggle spring.

2,346,545
ELECTRON DISCHARGE DEVICE CIRCUIT
Frithiof B. Anderson, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application August 10, 1940, Serial No. 352,051. Divided and this application September 12, 1942, Serial No. 458,153. In Great Britain August 1, 1941
4 Claims. (Cl. 179—171)



1. In combination, an electron discharge device comprising a cathode, an anode and a discharge controlling grid, an input circuit and an output circuit for said device, a second electron discharge device comprising a cathode, an anode and a plurality of grids one of which is a suppressor grid, an input circuit and an output circuit for said second device, means for coupling the output circuit of said first device and the input circuit of said second device, feedback means coupling the output circuit of said second device and the input circuit of said first device and producing both negative feedback and sustained oscillation around the feedback loop comprising said devices and said coupling means, a diode rectifier comprising the cathode and the suppressor grid of said second device, means for impressing a preassigned portion of the alternating current in the output circuit of said second device on said suppressor grid whereby such alternating current is rectified, and means for impressing said rectified alternating current upon said discharge controlling grid of said first tube.

2,346,546
DEEP HOLE DRILL
Gustaf W. Anderson, Glastonbury, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application January 23, 1942, Serial No. 427,902
1 Claim. (Cl. 77—68)



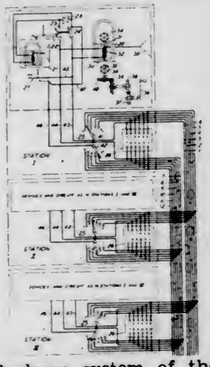
A deep hole drill comprising in combination, a cutter member and an intermediate member detachably connected together, said cutter member and intermediate member having a continuous groove extending along one side and an oil supply conduit extending continuously therethrough, there being a sleeve disposed between said intermediate member and cutter member and forming a part of said conduit.

2,346,547
ALPHA-PRIMARY AMINO CARBOXYLIC ACID
Witty Lysle Alderson, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1941, Serial No. 421,843
6 Claims. (Cl. 260—534)

6. In the process of preparing an alpha-primary amino carboxylic acid, the step which com-

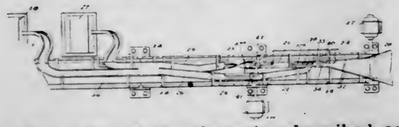
prises reacting approximately equimolar quantities of an alkali metal cyanide and an alkali metal salt of an aminomethanesulfonic acid in approximately saturated aqueous solution at 20–80° C., and thereafter hydrolyzing the reaction product.

2,346,548
BATTERYLESS TELEPHONE SYSTEM
George E. Atkins, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1942, Serial No. 468,068
6 Claims. (Cl. 179—37)



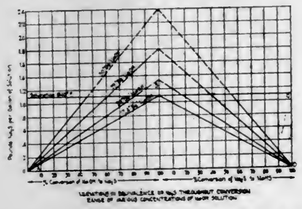
1. In a telephone system of the batteryless type, a plurality of current transmission channels, a batteryless telephone station individual to each channel and permanently connected thereto, and means at each station for selectively signaling to and establishing a speech currents connection with another of said stations over the channel to which the latter station is permanently connected.

2,346,549
MECHANISM FOR HANDLING CLOSURE BLANKS
John Belada, Glassboro, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 12, 1942, Serial No. 446,705
6 Claims. (Cl. 198—33)



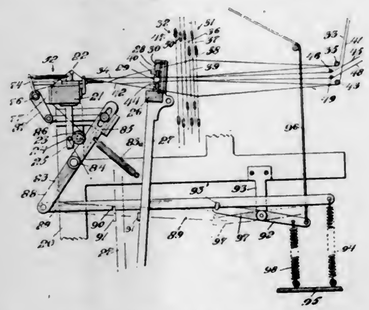
1. Apparatus of the character described comprising a continuously moving conveyor having article receiving and discharging ends, means for placing articles having opposed open and closed sides at random on the receiving end of the conveyor, means for segregating differently positioned articles while moving along the conveyor to thereby place the articles which are open-side up in one longitudinal zone and the remaining articles in another such zone on the conveyor, inclined delivery chutes individual to said zones and to the upper end of which the conveyor conducts said articles, one chute being twisted about its longitudinal axis to thereby invert all articles delivered thereto and thereby insure like positioning of all articles discharged from the chutes, said article segregating means including a pair of guideways overlying the conveyor and extending generally lengthwise thereof, one of said guideways being connected to the other guideway in proximity to the receiving end of the conveyor, and means whereby certain articles are permitted to travel along one of said guideways and the remaining articles directed into the other guideway, the last named means including a track positioned substantially at the juncture of the two guideways and operating to elevate the articles arriving right-side up at said juncture point.

2,346,550
PRODUCTION OF CONCENTRATED SODIUM HYDROSULPHIDE SOLUTIONS
Lawson E. Border, Wood River, and Edwin T. Gerhart, Edwardsville, Ill., assignors, to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 9, 1940, Serial No. 351,992
9 Claims. (Cl. 23—134)



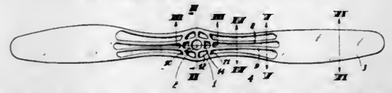
6. In a method for further concentrating a solution containing at least approximately 20% by weight of sodium hydrosulphide, the steps comprising reacting said sodium hydrosulphide solution with sodium hydroxide solution of a concentration higher than that equivalent to said sodium hydrosulphide solution to form a solution containing sodium sulphide, the quantity of sodium hydroxide added being less than that which causes an initial precipitation of sodium sulphide at the operating temperature, and reacting said sodium sulphide containing solution with hydrogen sulphide to form sodium hydrosulphide solution, the potential concentration of sodium hydrosulphide in said last named solution being greater than the sodium hydrosulphide concentration of said original sodium hydrosulphide solution.

2,346,551
LOOM FOR WEAVING LADDER WEBBING
Thomas Brindle, Pawtuxet, R. I.
Application September 21, 1942, Serial No. 459,074
10 Claims. (Cl. 139—22)



1. In a loom arranged for weaving ladder webbing in which the warps of the cross straps at the completion of each length of cross strap are alternately woven in one and then the other of the bandings of the webbing, means operatively connected to the loom mechanism for operating in time relation therewith for severing the warp portions joining the woven in portions of said cross straps.

2,346,552
PROPELLER
Roman C. Brotz, Kohler, Wis.
Application May 27, 1939, Serial No. 276,165
3 Claims. (Cl. 170—159)

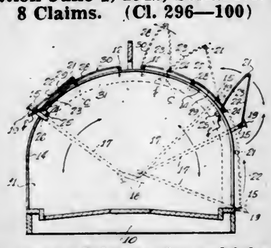


1. In a propeller, the combination of a hub comprising a shaft receiving portion, an annular web spaced therefrom to form a channel therebetween, a portion connecting said shaft receiving portion and said annular web and interconnecting webs extending between said shaft receiving portion and said annular web, a plurality of blades and intermediate portions connecting said blades and said hub, each of said intermediate portions being provided with a longitudinally extending channel and each of said channels being provided with one or more longitudinally extending webs, said channel and said longitudinally extending webs merging in said blade, all of said parts being of substantially similar thickness in cross section.

2,346,553
COATING SUSPENSION AND METHOD OF PREPARATION
Joshua R. C. Brown, Jr., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1942, Serial No. 432,911
14 Claims. (Cl. 250—27.5)

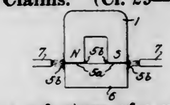
1. A coating suspension for electrodes of electron discharge devices, comprising colloidal particles of insoluble alkaline earth compounds formed by chemical reaction of a soluble salt of said compounds in a solvent mixed with a nuclear sol of alkaline earth compounds.

2,346,554
CANOPY AND ARTICULATED FRAME
John N. Clark, Dallas, Tex., assignor of fifty per cent to Ben E. Keith Company, Dallas, Tex.
Application June 1, 1942, Serial No. 445,295
8 Claims. (Cl. 296—100)



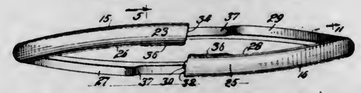
1. A canopy and frame for vehicle bodies including arcuate shaped end members having interconnecting parallel ridge rods, a plurality of rods whose ends overreach the arcuate surfaces of said end members, and spaced relatively downward over the arcuate surfaces of said end members, the lower of which is constrained to move on an axis corresponding to the arc of said end members stays pivotally interconnecting said rods and disposed in transverse relation to the rods whereby each provides a minor rotating axis for the other to raise and lower the sides of said canopy in sections defined by pairs of said rods, at least one of said stays being elongated to extend beyond its pivotal connection in closed position and adapted, when inverted, to underlie a lower rod to sustain said canopy in open position.

2,346,555
METHOD OF PRODUCING MAGNETIC STRUCTURES
Philip G. Cobb, Scotch Plains, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application October 9, 1937, Serial No. 168,287
6 Claims. (Cl. 29—155.5)



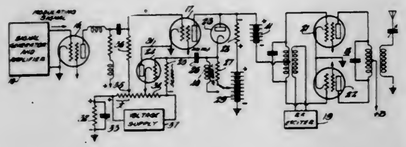
1. In the manufacture of a permanent magnet structure of the type including a magnetized blank and soft iron polar extensions soldered to the blank, the process which comprises magnetizing a magnet blank to form a permanent magnet, placing upon each end of the magnetized blank flux and solder having a melting point lower than the demagnetization temperature of the magnetized blank, placing soft iron polar extension means upon the flux and solder, whereby magnetic attraction draws the polar extension means towards said magnetized blank and into close engagement with the solder, and heating the entire assembly of magnetized blank and polar extension means to a temperature between the melting point of the solder and the demagnetization temperature of the magnetized blank, whereby magnetic attraction moves the polar extension means to the magnetized blank upon the melting of the solder to expel excess solder from the joints.

2,346,556
HANDBAG FRAME
Joseph L. Colegrove, Cos Cob, Conn.
Application January 20, 1943, Serial No. 473,028
2 Claims. (Cl. 292—261)



1. In a fastener for a handbag frame having wooden bows hingedly connected at their ends, integral wooden abutments in longitudinally opposed relation on the intermediate portions of said bows, one of said abutments having a substantially cylindrical cavity therein extending substantially radially of the hinge axis and opening through the face of the same which is opposed to the other abutment, a substantially cylindrical roller disposed in said substantially cylindrical cavity and in rotatable engagement with the walls of said cavity and thereby held partly protruding from the face of said abutment, the opposing face of the other abutment being positioned to engage the exposed protruding portion of said roller to force the latter to rotate in frictional engagement with the confining walls of said cavity and having a keeper recess of a size to substantially fit the protruding portion of said roller when said abutments come into fully opposing relation when the bows are hinged together.

2,346,557
DIRECT CURRENT RESTORING APPARATUS
James W. Conklin, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,743
5 Claims. (Cl. 178—7.2)



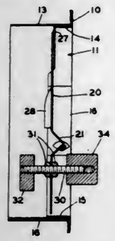
1. Apparatus for reinserting the direct current component of a video frequency signal in which there are recurring pulses which, before said component was lost, had peaks reaching substantially a predetermined voltage level, said apparatus comprising an amplifier having an input circuit and an output circuit, means for passing said signal through said amplifier, means for controlling the bias of said amplifier, means coupled to said output circuit to pass the peaks of signal representative of said pulses only when they exceed a predetermined fixed voltage level, a control circuit having an input circuit and an output circuit, an alternating current connection between said last means and said last input circuit for passing said peaks whereby they appear in said last output circuit, said alternating current connection passing alternating current only, means for integrating said peaks to produce a bias voltage and for utilizing the resulting bias voltage to control the bias of said amplifier in such sense that an increase in the signal passed through said alternating current connection causes a decrease in the voltage level of the peak signal appearing in the output circuit of said amplifier.

2,346,558
HAIR DRIER
Rose Margaret Coventry, Boise, Idaho
Application June 14, 1943, Serial No. 490,806
1 Claim. (Cl. 34—90)



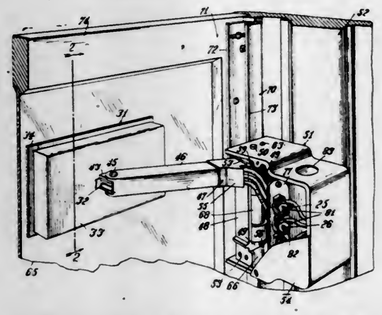
A hair drier comprising a helmet, and a dome-like head guard of skeleton form secured in said helmet and centered therein in spaced relation to the inner wall of the helmet, said guard comprising a head band, a skeleton rod-like superstructure surmounting said band, and an adjustable chin strap depending from the band.

2,346,559
DRAFT REGULATOR
Morris W. Crew, Cleveland, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 27, 1942, Serial No. 440,626
8 Claims. (Cl. 236—45)



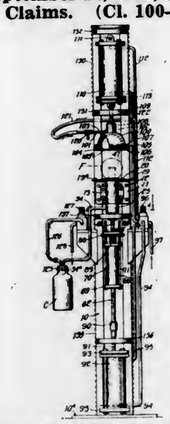
5. A draft regulator, comprising a casing having a face portion provided with an opening, said casing also having a pair of opposed apertured flange portions at the sides of said opening and extending rearwardly from said face portion, a flutter for controlling air flow through said opening, and a substantially flat pivot strip transversely carried by said flutter and projecting laterally therefrom into the apertures of said flange portions for the pivotal mounting of said flutter in said casing, the general plane of said pivot strip being angularly disposed relative to the general plane of the flutter, the apertures of said flange portions being provided with generally V-shaped seats for the projecting end portions of said pivot strip, the pivotal mounting of said flutter being thus of knife-edge character.

2,346,560
WINDOW THERMOSTAT
David N. Crosthwait, Jr., Chicago, Ill., and Everett W. Werts, Michigan City, Ind., assignors to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Application October 24, 1938, Serial No. 236,825
12 Claims. (Cl. 201—63)



1. A thermostatic device designed to function in a system for controlling the temperature of a building by responding to temperature changes adjacent the inner surface of an outside window pane as a function of outside weather conditions and room temperature, comprising a substantially closed casing, means mounted on a fixed structure adjacent the window for supporting the casing independently of the window but with one heat transmitting side of the casing held yieldably against the inner surface of the glass of the window, a means adapted to vary an electric current in response to temperature changes and supported within the casing adjacent the heat-transmitting side thereof, and circuit wires leading from the temperature-responsive means and carried by the supporting means.

2,346,561
VACUUM FRUIT JUICE EXTRACTOR
Albert Delay, Orlando, Fla.
Application September 11, 1941, Serial No. 410,362
10 Claims. (Cl. 100—50)



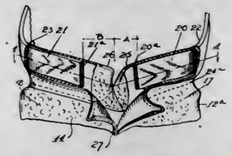
1. In a device for extracting fruit juice from whole fruit, support means having a seat for the reception of said whole fruit, enveloping means movable onto said so supported fruit for sealing it from atmosphere, pressure-actuated means for moving said enveloping means, mechanical means carried within said enveloping means for applying juice extruding pressure to said so enveloped fruit, movable means for penetrating said so enveloped fruit and for leading extruded juices therefrom, pressure-actuated means for imparting simultaneous rotary and longitudinal motion to said penetrating means, and means for withdrawing air from the enveloped fruit and for removing said extruded juices in the absence of deleterious gases.

2,346,562
METHOD OF REMOVING CARBONIZED OIL RESIDUE FROM MAGNESIUM ARTICLES
Herbert K. De Long, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 7, 1940, Serial No. 364,691
2 Claims. (Cl. 141—1)

1. The method of removing carbonized oil residue from the surface of magnesium and magnesium-base alloy articles, which comprises subjecting the article to the action of an aqueous solution consisting essentially of water and between about 1 and about 5 per cent by weight of an alkali metal tartrate and between about 1 and about 5 per cent of an alkali metal hydroxide, thereafter rinsing and drying the article.

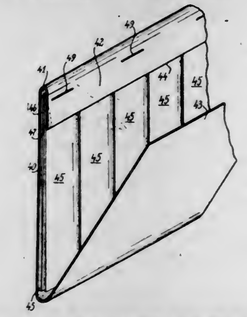
2,346,563
CONTAINER
Charles Doppelt, Chicago, Ill.
Application January 2, 1943, Serial No. 471,205
2 Claims. (Cl. 190—48)

1. In a structure of the character described, a base, side walls, end walls, a pair of oppositely positioned closure flaps formed as a continuation of said side walls, said flaps having foldable continuing end sections adapted to be continuous with and form the upper part of the end walls, a U-shaped supporting member secured to each one of said flaps and continuing end section at the free edges thereof to form the jaws of said bag, said U-shaped supporting members terminating short of the center line of the end walls when in open position, the ends of one of said



supporting members terminating in closer proximity to said center line than the ends of the other supporting member to provide longer legs, said one supporting member adapted to nest within the other supporting member when the bag is closed, flexible means covering said supporting members and extending beyond the ends thereof, the extended ends of said flexible means terminating in tapered portions overlapping each other, the lower edges of the flexible means joined to the end walls to form the hinging portions of the bag.

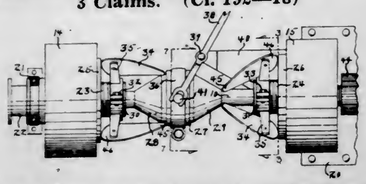
2,346,564
PACKAGE STRUCTURE
Alfred B. Drullard, New York, N. Y.
Application February 5, 1940, Serial No. 317,321
9 Claims. (Cl. 206—56)



1. In a multiple-container dispensing package, a protective sheet enclosure having a backing sheet and a cover sheet folded thereover to protect the interior space between said sheets, a relatively narrow overlying retaining sheet strip extending over a portion of said backing sheet to form along the interior surface of said backing sheet an elongated recess bounded by an edge of said strip, at least one additional sheet strip and at least one row of a plurality of tearable baglike containers extending from said additional strip and holding sealed in expanded portions of their interior fractional amounts of a dispensable substance, said additional strip and the empty end portions of said containers being fastened behind the edge of said overlying retaining strip within the recess formed on said backing sheet, the fastened end portions of each container constituting the sole junction of the container to the backing sheet and to the other containers fastened to said backing sheet so that substantially the entire filled length of each container is freely suspended in front of said backing sheet

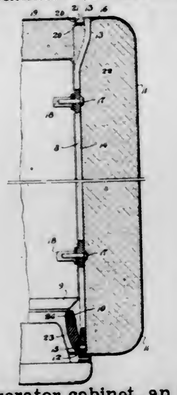
and that each of said containers may be removed individually from said protective enclosure by merely tearing it off across the edge of one of said sheet strips without requiring disjoining from the suspended portions of the other containers fastened to said backing sheet.

2,346,565
POWER CONTROL
Frank B. Edgar, Des Moines, Iowa
Application March 19, 1941, Serial No. 384,109
3 Claims. (Cl. 192—18)



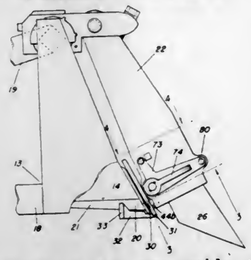
1. A power control device comprising, a rotatable, longitudinally, slidable shaft, a multiple disc type clutch for rotating said shaft, a brake for said shaft including a plurality of discs keyed to said shaft capable of engaging a plurality of stationary discs, a surface on said shaft inclined away from the brake and toward the clutch, a surface on said shaft inclined away from the clutch and toward the brake, a cam structure capable of being operated at least in part by one of said inclined surfaces to cause engagement of the clutch, a cam structure capable of being operated at least in part by the other of said inclined surfaces to cause engagement of the brake, and means for sliding said shaft longitudinally in one direction to cause operative engagement of the clutch operating cam structure with one inclined surface and in the other direction to cause operative engagement of the brake operating cam structure with the other inclined surface.

2,346,566
REFRIGERATOR CABINET CONSTRUCTION
Charles Russell Ford, Connersville, Ind., assignor, by mesne assignments, to Rex Manufacturing Company, Inc., Connersville, Ind., a corporation of Indiana
Original application March 17, 1938, Serial No. 196,567. Divided and this application May 1, 1941, Serial No. 391,392
5 Claims. (Cl. 220—9)



1. In a refrigerator cabinet, an inner liner defining a food compartment and an outer wall or shell spaced from said inner liner with insulation material therebetween, said outer shell being formed with a panel opening at the back of the cabinet, and a back panel closing said opening, the contiguous edges of the shell and panel having a sealing channel formed therein, means connecting the said edges to one another, and a sealing compound in said channel covering said connecting means.

2,346,567
REMOVABLE BULLDOZER ATTACHMENT BRACKET
Carl D. Forte, San Diego, Calif.
Application November 21, 1942, Serial No. 466,425
4 Claims. (Cl. 262—8)



1. In apparatus for removably securing an attachment to the moldboard of a bulldozer, the combination of a moldboard and an attachment member, and means for pivotally securing the lower end of said member to the lower end of the moldboard, said means consisting of a bearing mounted upon the lower part of said moldboard, a bracket secured to said attachment, said bracket having an upright portion and a wing extending laterally therefrom, and each said upright portion and wing having a trunnion extending therefrom, and a shaft journalled in said bearing and engaging with said trunnions.

2,346,568
PROCESS FOR THE PRODUCTION OF SULPHONYL BROMIDE DERIVATIVES
Arthur L. Fox, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 17, 1939, Serial No. 305,013
3 Claims. (Cl. 204—163)

2. The process of preparing hydrocarbon sulphonyl bromide derivatives which comprises reacting a non-gaseous saturated aliphatic hydrocarbon in the liquid phase with a gaseous mixture of sulphur dioxide and bromine containing from 1 to 20 mols of the former per mol of the latter at a temperature from 30° C. to 80° C. while irradiating the reaction zone with a source of light containing at least 3% of ultraviolet light, until the gain in weight is equal to that one would get if one sulphur dioxide molecule and two bromine atoms were entered into the molecule.

2,346,569
REACTION OF SATURATED HYDROCARBON CARBOXYLIC ACIDS WITH ADMIXED SULPHUR DIOXIDE AND CHLORINE
Arthur L. Fox, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1940, Serial No. 365,377
2 Claims. (Cl. 204—158)

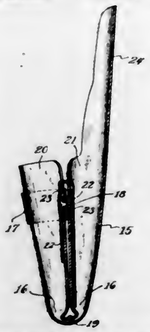
1. Process of preparing organic compounds containing carbonyl radicals and sulphonyl radicals which comprises reacting an alicyclic hydrocarbon monocarboxylic acid of 3–11 carbon atoms in the liquid phase with admixed sulphur dioxide and chlorine at a temperature from −40° C. to 100° C. while irradiating the reaction zone with actinic light of wave lengths from 1800 to 7000 Å. and maintaining sufficient sulphur dioxide and chlorine present to introduce sulphonyl chloride groups into the alicyclic hydrocarbon radical of said acid.

2,346,570
BRUSH OR TOOL HOLDER
Louis Francis, New York, N. Y., assignor to Breinig Brothers, Inc., Hoboken, N. J.
Application May 18, 1942, Serial No. 443,521
6 Claims. (Cl. 15—146)



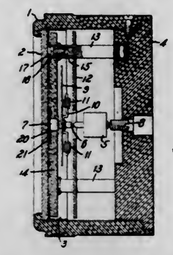
1. A brush or tool holder comprising an elongated handle, a fork extending lengthwise of said handle, a spacer member between the arms of said fork, a carrier pivoted between the arms of said fork outwardly of said spacer member, means engaging the carrier on opposite sides of the fulcrum thereof yieldably maintaining said carrier at a predetermined angle, a pair of flexible straps secured to the opposite ends of said carrier and slidably engaging over said spacer member whereby said carrier may be manually adjusted against the tension of said yieldable means and means integrally formed with said carrier comprising drip conductors.

2,346,571
CONTAINER
Fred Ginsberg, Chicago, Ill.
Application March 19, 1942, Serial No. 435,422
1 Claim. (Cl. 150—28)



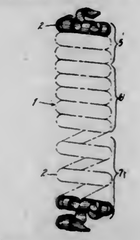
A container formed of a single sheet of material bent and folded so that the side longitudinal edges overlap and are permanently secured together to form a continuous pocket, the said pocket being transversely folded with the opposite entrances of said pocket adjacent each other to form a plurality of pockets, the top portions of the inner sides of the pockets adjacent the overlapped edges being recessed, a strip extending over the recessed portions for securing said pockets adjacent each other, a flap for closing said pockets, and a band secured to the inner side and extending around one of the pockets into which said flap is inserted.

2,346,572
ELECTRICAL INSTRUMENT
William Nelson Goodwin, Jr., Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application July 16, 1942, Serial No. 451,239
4 Claims. (Cl. 171—95)



1. An electrical measuring instrument comprising a case having at its opposite ends an outer window and a base, a scale plate, posts secured to said base and carrying said scale plate, a rotatable movable system extending through said scale plate and including a pointer movable over the same, an end bearing carried by said base for supporting one end of said moving system, and a bridge member supported from said base and carrying a second bearing for the other end of said moving system; said bridge member being a transparent plate positioned between said case window and said pointer.

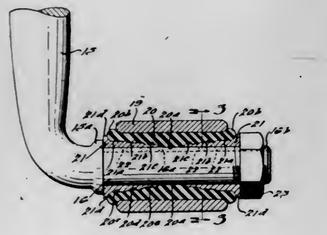
2,346,573
THERMOSTATIC ELEMENT
Townsend M. Gunn, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application September 14, 1940, Serial No. 356,718. Divided and this application April 4, 1942, Serial No. 437,666
8 Claims. (Cl. 297—16)



1. A thermostatic element comprising a strip of composite laminated metal extending progres-

sively about a first axis to form minor coils which in turn are extended progressively about a second axis to form major coils, a plurality of successive groups of said major coils, each group, at a predetermined temperature, having its coils spaced from each other a distance which is different for each successive group so that the said major coils of the respective groups come into contact with one another at more than one temperature.

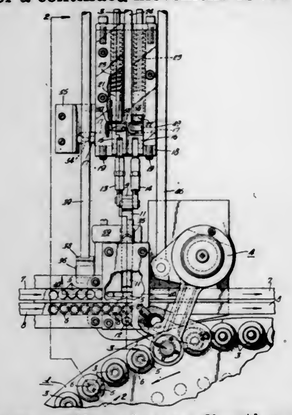
2,346,574
RESILIENT BUSHING
Frederick M. Guy, Detroit, Mich., assignor to Guy & Murton, Inc., Detroit, Mich., a corporation of Michigan
Application September 17, 1942, Serial No. 458,635
4 Claims. (Cl. 287—85)



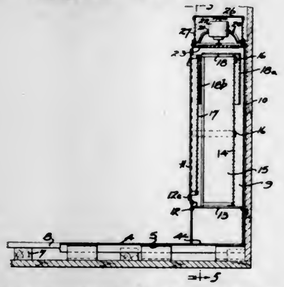
1. A resilient bushing comprising a sleeve, a stud located within and extending through said sleeve, a rubber member surrounding the stud and interposed between said stud and sleeve an annular flange on said stud, a force applying member located on said stud and having one face abutting against said flange, and a movable force applying member carried by the stud and adjustable longitudinally thereon to build up compression forces in said rubber member in radial directions from its central portion progressively toward its opposite outer ends, said force applying members each having a plurality of stepped substantially cylindrical faces extending in planes substantially parallel to the axis of said stud on radii which are decreased from the outer ends progressively toward the central portion of the bushing, and an annular collar extending radially outward adjacent the stepped stubstantially cylindrical face of largest diameter.

2,346,575
TRANSFER MECHANISM
Howard Thomas Hallowell, Jr., Jenkintown, Pa., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa., a corporation of Delaware
Application January 23, 1943, Serial No. 473,385
9 Claims. (Cl. 198—24)

4. In an assembling machine, the combination with a pair of conveyors, of a stop at one side of each conveyer, a plunger operative from the opposite side of each conveyor to displace elements from the conveyor to a position against the associated stop, resilient means tending to advance the plungers in the working stroke, a restraining member engaged with both plungers and operative with the resilent means to retain the plungers normally in a predetermined relative position, means for actuating said member to effect alternate advancement and retraction of the plungers, and lost motion means providing for a continued movement of the restraining member in the advance direction after the plungers have completed the said displacement movement.



2,346,576
COOLING OF CLOSED BODIES
Edmund E. Hans, Detroit, Mich.
Application October 3, 1941, Serial No. 413,392
4 Claims. (Cl. 62—131)

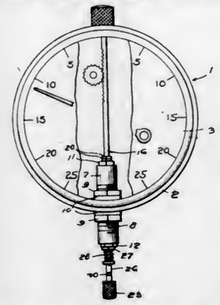


1. An arrangement of the character described comprising a closed body including a floor, horizontally aligned flooring members spaced above the floor and from one another, a duct extending across the floor the top of which is substantially in alignment with the flooring members, a cooler unit on the duct adjacent and around which packages are adapted to be piled on the flooring, the bottom of the cooler unit and the top of the duct having registering openings formed therethrough, a fan in said unit adapted to draw air from above and around said packages into the unit and to discharge it through the duct and under the flooring whence it rises between and around said packages, and a refrigerant compartment in said unit adjacent which the air passes.

2,346,577
MANUFACTURE OF ALKALINE EARTH METAL ACID SULPHIDES
Russell C. Hartman, Upper Darby, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 17, 1942, Serial No. 447,428
7 Claims. (Cl. 23—134)

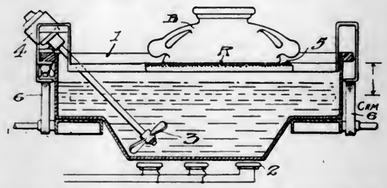
1. A process for the manufacture of an alkaline earth metal acid sulphide, which comprises forming a slurry of water, alkaline earth metal oxide, and a substantially inert, water-insoluble liquid diluent, and intimately contacting the slurry with hydrogen sulphide.

2,346,578
DIAL INDICATOR
Allen F. Haskins, Cranston, R. I.
Application December 17, 1942, Serial No. 469,383
1 Claim. (Cl. 33—172)



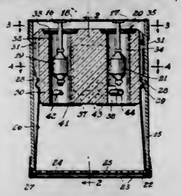
A shock absorbing unit for dial indicators comprising a cylinder, means for mounting said cylinder in the casing of the indicator, a rack bar, for operative connection with the pointer of the indicator, extending slidably into the cylinder, a plunger on the rack bar operable in the cylinder, said plunger including an air pocket, a second plunger operable in the cylinder and comprising a piston operable in the air pocket, a third plunger operable in the cylinder in opposed relation to the second-named plunger, the third named plunger being engaged with work for actuation in one direction thereby, a fluid in the cylinder for operatively connecting the third-named plunger to the second and first-named plungers for actuating same in said one direction, a partition in the cylinder between the third and the second-named plungers having a port therein for the passage of the fluid, and springs operatively connected to all of the plungers for actuating said plungers in the opposite direction.

2,346,579
CERAMIC PROCESS
Frederick C. Henderson, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation
Application April 10, 1942, Serial No. 438,473
8 Claims. (Cl. 117—40)



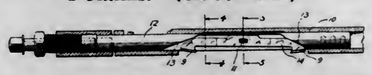
1. The steps in the process of decorating unfired porous ware which consist in successively applying to adjoining surface-areas mobile liquid glazes which include two immiscible vehicles at least one of which penetrates the ware and forms an intermediate non-glazed area to prevent merging of the glazes during firing; drying the applied glazes; and finally firing the glazed ware.

2,346,580
DUPLEX SOUND PRODUCER
Beulah Louise Henry, New York, N. Y.
Application October 11, 1941, Serial No. 414,576
9 Claims. (Cl. 46—187)



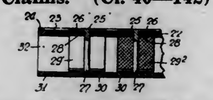
1. A duplex sound producer comprising a non-metallic cylindrical casing having a perforate cap at each end, a ceramic weight having a plurality of longitudinal guide ribs and an annular ridge on its periphery, a rigid perforate disc and a porous textile fabric disc juxtaposed against an end of said casing, a rubber bellows having a thickened rim stretched over the circumferential edges of said discs under one of said caps, the opposed rim of said bellows being fixed around and over said annular ridge, a pair of spaced chambers in said weight open to said bellows, a reed fixed in reversed relation in each chamber, a flue leading from each chamber through said weight, a flexible diaphragm in the outer end of each flue, said diaphragms having central openings, and conical ended valve plugs fixedly carried by the other of said caps to pass through said diaphragms to control the passage of air through said flues, thereby to regulate the issuance of sound from said reeds.

2,346,581
RIFLING CUTTER
Frank O. Hoagland, West Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application May 5, 1942, Serial No. 441,829
4 Claims. (Cl. 90—28.1)



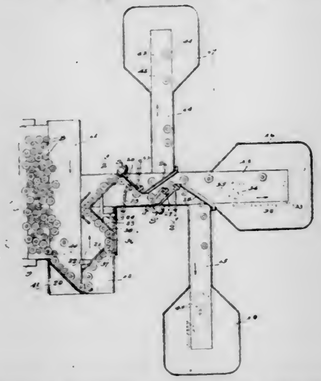
1. A cutter for rifling tool heads having cutting surfaces at its opposite ends disposed obliquely and in opposed relation to each other for cutting in opposite directions of movement of said tool, said cutter having a central elongated opening extending transversely therethrough, said opening having opposed arcuate end surfaces forming means permitting limited pivotal movements of said tool within a rifling head in opposite directions.

2,346,582
MAGNETIC BOARD
Frank Insler, Bronx, and Joseph Fakler, Richmond Hill, N. Y.
Application October 6, 1941, Serial No. 413,796
6 Claims. (Cl. 40—142)



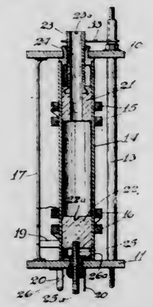
1. A mounting for a magnet comprising a mounting board, a stem of magnetic material projecting through said mounting board and a centrally holed magnet fitted on said stem and means to retain said magnet against longitudinal movement along said stem.

2,346,583
ARTICLE SORTING APPARATUS
Albert S. Jackson, Wood River, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application September 11, 1941, Serial No. 410,409
8 Claims. (Cl. 209—90)



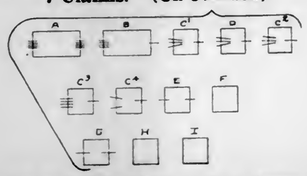
1. Article selecting apparatus comprising a traveling conveyor, means for positioning articles on the conveyor and causing them to travel with the conveyor in a path adjacent one side thereof, a deflector gate extending from said side diagonally across said path and terminating at a point intermediate the sides of the conveyor and arranged to deflect articles toward the opposite side of the conveyor and release them before they reach said opposite side, a selector device for selecting articles of a predetermined dimension and actuated by said articles, electro-responsive means controlled by said selector device for moving said gate out of the path of a selected article, permitting the passage of said article, and a spring for returning the gate into position to deflect the next succeeding article, said selector device including means actuated by the selected article after it has passed beyond the gate, to release the gate to the operation of said spring.

2,346,584
COUPLING DEVICE
Frederick N. Jacob, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 16, 1942, Serial No. 443,321
9 Claims. (Cl. 171—119)



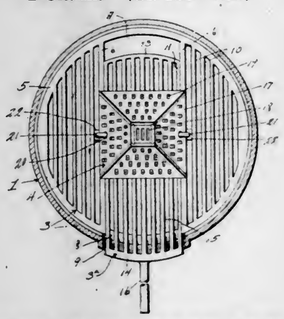
1. An adjustable ferromagnetic core assembly for use with high frequency alternating magnetic fields including in combination a tube of insulating material, a first ferromagnetic core having an axial aperture and mounted for axial movement in said tube and having a first screw-threaded holding connection, and a second ferromagnetic core mounted in said tube for axial movement and spaced axially from said first core and having a rod-engaging conformation accessible to an adjusting rod extended through said aperture in said first core and having a second screw-threaded holding connection, whereby said second core may be turned and adjusted.

2,346,585
PROCESS OF SPINNING FLAX AND SIMILAR FIBERS
Arthur Job, Providence, R. I., assignor to Sils Corporation, a corporation of Delaware
Application December 2, 1941, Serial No. 421,263
7 Claims. (Cl. 57—156)



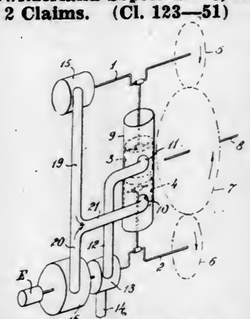
1. In the art of producing yarn from flax and similar fibers, the process of producing slivers from the non-retted straw of plants which comprises decorticating the non-retted straw to preserve the fibers and to remove the pith, carding said fibers to form the same into slivers, doubling a plurality of slivers to convert the same into a single sliver, combing the latter, passing the combed sliver through a plurality of successive drawing operations and through a roving operation, winding the roving into the form of cheeses, boiling said cheeses in an alkaline solution containing caustic soda to partially remove both the internal gum between the fibrils and the external gum between the fibers to a predetermined degree to cause the fibrils to glide on one another when subjected to a pulling force, and washing said cheeses to remove the caustic.

2,346,586
GRATE STRUCTURE
George Clayton Keown, Albert Lea, Minn., assignor, by direct and mesne assignments, to Master Combustor Company, Albert Lea, Minn., a corporation of Minnesota
Application April 5, 1941, Serial No. 387,089
1 Claim. (Cl. 126—163)



A structure of the character stated for disposition within a fire box, comprising a flat grate unit, means for supporting the grate unit for turning on a vertical axis, a body disposed upon the top of the grate unit at the center thereof and comprising four upwardly and inwardly inclined walls secured together at their adjacent edges, a flat top wall disposed between and coupling the top edges of the side walls, the body being secured to the grate to turn therewith and the corners thereof functioning upon the turning of the grate to loosen up the fuel in contact therewith, said side walls having air passing openings therethrough, the grate body having a plurality of bars, and hook bolts engaging in apertures of the side walls of the body and extending between the bars of the grate and having detachable connection with the same.

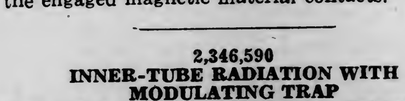
2,346,587
TWO-SHAFT OPPOSED-PISTON INTERNAL COMBUSTION ENGINE
Walter Kilchenmann, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application May 27, 1942, Serial No. 444,677
In Switzerland September 5, 1941
2 Claims. (Cl. 123—51)



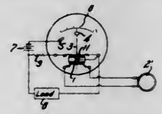
2. In a two-shaft opposed-piston two-stroke-cycle internal combustion engine with the two crankshafts connected through a central gear to a main shaft and the crankshaft of one engine arranged to lead the other crankshaft, the improvement which comprises a common cylinder for each pair of opposed pistons, means for introducing combustion gas into the cylinder at a place between the dead center positions of both pistons and the shaft which lags, means for exhausting gas from the cylinder at a place between the dead center of the pistons and the shaft which leads, a separate compressor driven by each crankshaft for conjointly supplying air to the cylinder, an exhaust gas turbine arranged to aid in driving the shaft which lags, and means for passing exhaust gas from the cylinder to the exhaust gas turbine, said crankshaft which leads delivering more power than the crankshaft which lags but the compressors and exhaust gas turbine being so proportioned with respect to power input and output that the power delivered to the central gear by each crankshaft is substantially the same.

2,346,588
MULTICOLOR PRINTING MACHINE
Frederick Lamatsch, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 30, 1941, Serial No. 409,094
6 Claims. (Cl. 270—5)

1. In a printing machihe, a folder and a group of three printing units arranged in a line on one floor level, the group including a first printing unit located immediately adjacent the folder and having four cylinders arranged as a standard two-couple perfecting printing unit of the type having its couples longitudinally spaced and each couple including a plate cylinder and a cooperable impression cylinder arranged so that oblique planes passing through the axes of its cylinders intersect above and intermediate its spaced couples, a second printing unit located immediately adjacent the first and having eight cylinders arranged as a lower standard perfecting printing unit similar to the first unit and an upper inverted standard two-couple perfecting printing unit having its couples longitudinally spaced and vertically spaced from the couples of the lower unit, each couple of the upper unit including a plate cylinder and a cooperable impression cylinder arranged so that oblique planes passing through the axes of its cylinders intersect below and intermediate its spaced couples, and a third four-cylinder standard perfecting printing unit similar to the first unit located immediately adjacent the second unit at its opposite side.



2,346,589
RELAY CIRCUIT
Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 30, 1942, Serial No. 428,956
19 Claims. (Cl. 175—320)

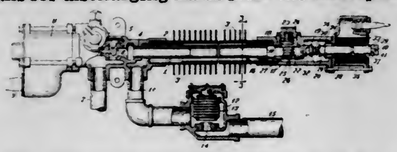


1. A relay circuit comprising a current source having an output that varies with changes in a control factor, a sensitive instrument relay having a pointer carrying a contact of magnetic material for cooperation with a relatively fixed contact of magnetic material, a moving system including a coil connected to said current source for displacing said pointer in accordance with changes in the magnitude of the control factor, a load circuit controlled by the contacts of said instrument relay and including a power source of current, and a resetting circuit including means energized by an engagement of said contacts to deliver a relatively heavy current pulse to said moving system to develop a high torque to overcome the magnetic attraction of and separate the engaged magnetic material contacts.

2,346,590
INNER-TUBE RADIATION WITH MODULATING TRAP
Joseph E. La Rocque and John Van Vulpen, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application February 14, 1942, Serial No. 430,956
12 Claims. (Cl. 257—2)

3. In a heating system, a radiator comprising an outer radiating pipe, a plurality of radiating

fins on the outer pipe, an inner feed pipe enclosed in the outer pipe, means for regulating the flow of steam into one end of the inner pipe, means for discharging fluids from the correspond-



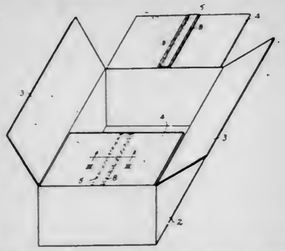
ing end portion of the outer pipe, the other end of the outer pipe being closed, an outlet to the outer pipe from the enclosed end of the inner pipe, and electrically operated means for controlling this outlet.

2,346,591

PACKAGING

Desmond R. La Place, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware

Application April 9, 1941, Serial No. 387,562
2 Claims. (Cl. 229—47)



1. A package comprising a carton having overlapping lifts, an anvil member comprising an elongated strip of metal permanently attached to the inner face of an underlying lift, and staples entered through an overlying lift having the ends thereof driven against and clinched by contact with said strip, said strip having means along the edges thereof for permanently attaching it to the lift to which it is secured and having an intermediate portion which is concaved with respect to the direction in which the staples are driven for turning the points of the staple inwardly toward each other.

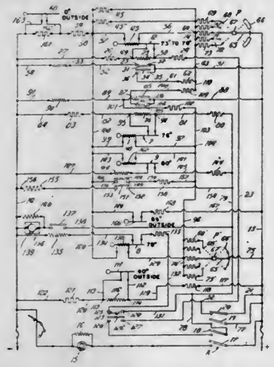
2,346,592

AUTOMATIC TEMPERATURE CONTROL SYSTEM

Timothy J. Lehane and Everett H. Burgess, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application May 2, 1942, Serial No. 441,426
17 Claims. (Cl. 257—3)

9. In combination with apparatus for circulating air through a space, apparatus for heating said air, apparatus for withdrawing heat from said air and apparatus for directly adding heat to the air within said space, control means responsive to the temperature of the air in the space at a plurality of spaced temperatures for controlling said apparatuses, each control means comprising a thermostat and an electric heater for adjusting the functioning temperature thereof, and means comprising a thermostat responsive to changes in the temperature of the outside air and a relay controlled by said outside thermostat for cooperating with the inside thermostats to render the cooling means inoperative and both heating means operative below a predetermined



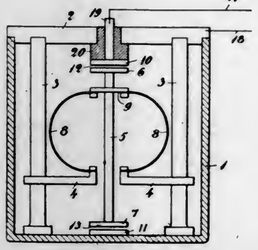
outside temperature, and rendering the circulating air heating means and the cooling means operative but the direct heating means inoperative above said outside temperature.

2,346,593

DAMPING DEVICE IN GRAVIMETERS

Axel Rudolf Lindblad, Stockholm, and Johan David Malmqvist, Boliden, Sweden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden

Application January 2, 1941, Serial No. 372,914
In Sweden January 5, 1940
2 Claims. (Cl. 265—1.4)



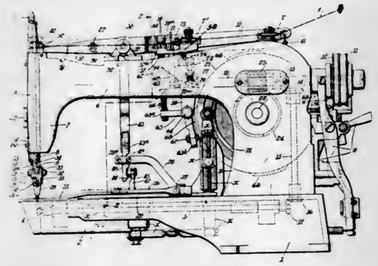
1. In a gravity meter adapted for use in measuring the force of gravity or small changes therein, comprising in combination a movable weighing body, a support for said weighing body, means for elastically securing the weighing body to the support and for counterbalancing the gravitational force component acting upon the weighing body, means for damping the weighing body, said means comprising at least two plates carried by the weighing body and at least two stationary plates secured to the support, and which are positioned at substantially exactly the same distance respectively from the stationary plates, all of said plates having uninterrupted plane surfaces and being of the same area whereby at least two narrow gaps are formed between the stationary plates and the plates carried by the weighing body, and whereby a fluid in the gaps will be acted upon by the moving plates to effect a damping of the weighing body, the plates forming one of said gaps being insulated one from the other and constituting elements of a condenser the capacity of which is a function of the displacement of the weighing body.

2,346,594

THREAD CONTROLLING AND SEVERING MECHANISM FOR SEWING MACHINES

Michael McCann, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application June 23, 1942, Serial No. 448,062
5 Claims. (Cl. 112—252)



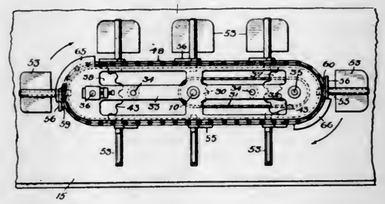
1. In a cyclically operated sewing machine having a head, a work-clamp, a presser-bar, and stitch-forming mechanism including a thread-carrying needle and a cooperating looper which retains a loop of the thread at the end of a stitch forming cycle; the improvement which consists in the provision of a stationary thread-eye carried by said head and a movable thread-eye carried by said presser-bar through which thread-eyes the thread passes in its movement from a source of supply to said stitch-forming mechanism, means to clamp the thread between said source of supply and said thread-eyes, means operable while the thread is clamped and while a thread-loop is retained by said looper to lift said presser-bar and to shift said movable thread-eye relative to said stationary thread-eye to form a bight in the thread thereby to stretch said thread and render it comparatively inelastic, and means to lift said work-clamp to strain the stretched thread to cause breakage thereof.

2,346,595

PROPELLING MEANS

William Manning, New York, N. Y.

Application June 27, 1942, Serial No. 448,779
9 Claims. (Cl. 170—138)



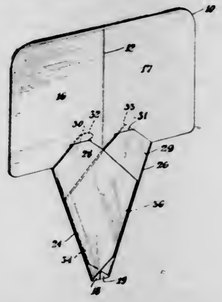
1. A propelling mechanism including an elongated frame, an endless chain mounted on said frame for rotation thereon, means for rotating said chain, power elements mounted on said chain, and means for changing the position of said power elements on opposite sides of said frame whereby said power elements are upstanding on and parallel to said chain on one side of said frame and depending from and at right angles to said chain at the other side of said frame.

2,346,596

FAN MAILING CARD FOLDER

Vernon Martin, Wilmington, Del., assignor to Kaumagraph Company, a corporation of New York

Application October 9, 1941, Serial No. 414,251
10 Claims. (Cl. 230—268)



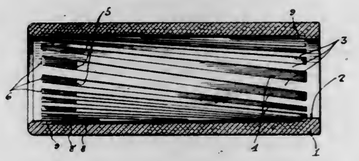
1. A fan mailing card folder comprising a relatively stiff sheet of paper provided with fold lines along which it is foldable from an extended flat form to the size of a post card and having other fold lines along which it is refoldable from said extended flat form and along different lines into a form in which one unlined part of the sheet overlies parts of each of said first mentioned lines and is positioned to form a fan of relative stiffness and to oppose bending of the sheet along said first mentioned lines.

2,346,597

PHONOGRAPH RECORD AND METHOD OF MAKING

Walter H. Miller, South Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application February 28, 1941, Serial No. 381,026
9 Claims. (Cl. 18—48.3)



8. The method of molding a wax-like record medium about a napped reenforcing material while maintaining the record proper free of loose nap from said reenforcing material, which comprises flowing a molten wax-like record medium into contact with said napped material, said molten record medium being in such state of fluidity that it penetrates the nap of said reenforcing material and is initially agitated upon being flowed into contact with the reenforcing material and filtering out loose nap from such of the molten record medium adjacent said reenforcing material as flows away from the material whereby to prevent loose nap from being carried, by flow of the molten record medium, from the napped material to the record proper.

9. A phonograph record having a reenforcement therein comprising a sheet of napped material and a filter sheet applied to the napped surface of said material, said reenforcement being embedded within the body of the record.

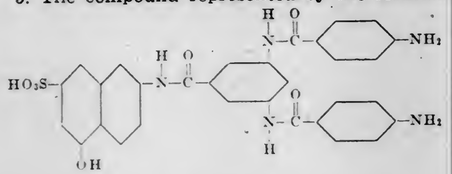
2,346,598
VARIABLE RESISTOR
George J. Mucher, Brooklyn, N. Y., assignor to Clarostat Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York
Application November 8, 1941, Serial No. 418,394
9 Claims. (Cl. 201—56)



1. An article of the character described, including in combination, a base formed of non-conducting material, a circular resistance element embedded in said base so that one edge thereof is exposed, said element being adapted to be coupled to an electric circuit, a collector ring concentrically disposed with respect to said resistance element and being also mounted on said base, said collector ring being also coupled to said electric circuit, a rotatable shaft mounted by said base, one end thereof being positioned within said collector ring, a collector member encircling said shaft and being coupled thereto, a plurality of bearing legs carried by said collector member and engaging the outer surface of said collector ring, and a contact shoe coupled to one of said bearing legs and making electrical contact between said collector ring and said resistance element, whereby rotation of said shaft will cause said contact shoe to progressively engage different portions of said resistance element and said collector ring.

2,346,599
AZO DYE INTERMEDIATES
Arthur R. Murphy, deceased, late of Penns Grove, N. J., by Margaret R. Eastlack, formerly Margaret R. Murphy, administratrix, Penns Grove, N. J., and Swanie S. Rossander, Wilmington, Del., and Carlton W. Croco, Woodstown and John M. Tinker, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1938, Serial No. 192,062
7 Claims. (Cl. 260—507)

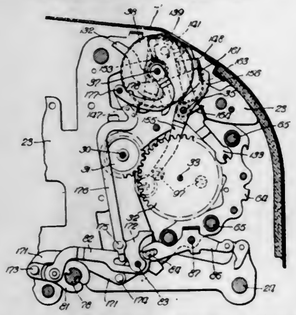
3. The compound represented by the formula



2,346,600
THERMOPLASTIC LACQUER
Victor A. Navikas, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application January 23, 1942, Serial No. 427,878
13 Claims. (Cl. 260—17)

1. A thermoplastic lacquer comprising 3 to 9 parts by weight of an interpolymer of isobutyl methacrylate and n-butyl methacrylate, 1½ to 6 parts by weight of a coumarone-indene resin, ½ to 3 parts by weight of nitrocellulose, 1 to 5 parts by weight of a plasticizer which does not impart taste and odor, and a solvent, said ingredients being in such proportions that the composition, when baked at a temperature of about 200° F. to about 250° F., develops a film which is hard and nontacky at room temperatures and which becomes plastic and tacky when subjected to temperatures of about 100° C. to about 150° C.

2,346,601
CALCULATING MACHINE
Frederick A. Niemann, Chicago, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 24, 1941, Serial No. 380,176
9 Claims. (Cl. 235—61)

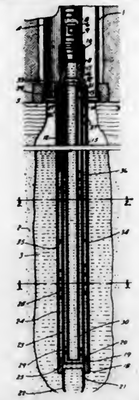


1. In a calculator with denominational orders of wheels for registering the ordinal numerals of 1 to 9, inclusive, each said wheel having an aperture therein at the position normally occupied by a cipher, means for visually distinguishing between every denominational order to the left of the left-most wheel actuated in the calculation of any registered result and every other denominational order of the calculator, comprising a significant-digit indicator operating internally of each said wheel and having a blanking position and a cipher indicating position for variably registering through the aperture in the corresponding wheel a blank when said significant-digit indicator is at blanking position and a cipher when it is in cipher indicating position, and means for governing the variation of registering by each significant-digit indicator, depending upon whether it is to the right or to the left of said left-most wheel.

2,346,602
SEPARATOR FOR WELL PUMPS
Walter A. O'Bannon, Tulsa, Okla.
Application February 17, 1941, Serial No. 379,265
6 Claims. (Cl. 103—203)

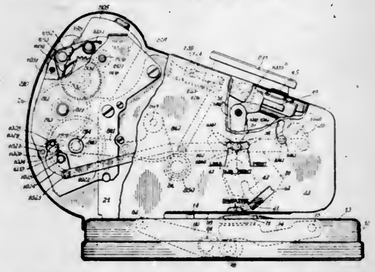
1. A separator of the character described including, an elongated outer shell having inlet openings spaced upwardly from the lower end thereof for the inflow of well fluids and wherefrom the heavy liquid components of the inflow move downwardly within the shell and the lighter fluids containing gas rise upwardly within said shell, an inner shell cooperating with the outer shell to form an annular passageway therebetween for a divided upward and downward flow of said fluids and having liquid inlet openings spaced a substantial distance below the inlet openings of the outer shell for inflow of heavy liquid from said passageway and having upper liquid inlet openings located at a point spaced a substantial distance above the inlet openings of the outer shell for providing sufficient travel of the liquids to effect separation of the contained gas, means closing the lower ends of said shells, a head closing the upper ends of the shells, said outer shell having gas outlet openings adjacent said head and

located above said upper liquid inlet openings to provide a gas flow space for discharge of gas separated in said annular passageway, and a baffle located in said annular passageway and spaced above said inlet openings of the outer shell and



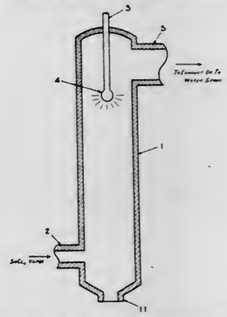
below said upper liquid inlet openings of the inner shell to retard upward flow of said lighter fluids in the passageway so that gas contained in the lighter fluids separates for discharge through the gas outlet openings of the outer shell and the liquid flows through said upper inlets of the inner shell.

2,346,603
PRINTING APPARATUS
Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application February 28, 1940, Serial No. 321,307
1 Claim. (Cl. 101—299)



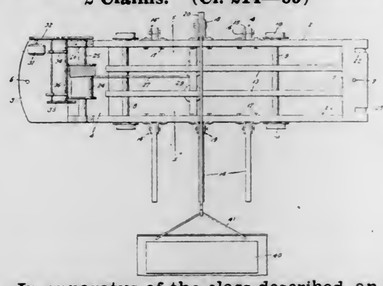
In a printing machine of the class described, the combination of a printing couple including type and platen members, selective means for shifting one member of the printing couple to and from "print" position, motor driven mechanism for moving the members of the printing couple into cooperative printing engagement, switch mechanism for controlling the circuit to the motor including a normally opened switch, spring means tending to close said switch, and releasable means cooperating with said spring means to normally restrain the spring means from closing the switch, a control part associated with said switch spring means and being adapted to be moved from a non-effective position to an effective position when the switch is closed, and a control member operatively connected to said shiftable member of the printing couple and movable therewith, said control member having a formed portion being adapted to be aligned with the path movement of said control part when said shiftable member of the printing couple is moved to "print" position, said control part being adapted when moved to said effective position to cooperate with said formed portion and thereby serve to prevent movement of said control member and said shiftable member of the printing couple when the switch is closed.

2,346,604
METHOD OF RECOVERING STANNIC CHLORIDE
Alphonse Pechukas, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 9, 1942, Serial No. 438,291
12 Claims. (Cl. 75—111)



1. The method of condensing stannic chloride from a vaporized mixture produced by the chlorination of a tin bearing material which comprises washing the mixture with substantially anhydrous, liquid stannic chloride having a temperature below about 20° C. and subsequently washing the uncondensed vapors with an aqueous medium.

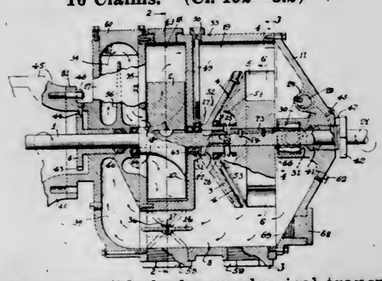
2,346,605
APPARATUS FOR LOADING AND UNLOADING
William D. Proudfoot, Webster Springs, W. Va., assignor of one-half to Helen Proudfoot, Cowen, W. Va.
Application January 11, 1943, Serial No. 472,045
2 Claims. (Cl. 214—85)



1. In apparatus of the class described, an elongated wheel supported truck body, a motor driven cable-winding and unwinding reel mounted on one end of said body, a pair of vertical axis sleeves mounted on the bottom of the body and laterally spaced in substantially the transverse center thereof for passage of the cable from the reel therebetween to be trained therefrom to either side of the body, a sheave keeper mounted on one side of said body in the transverse center thereof and having a horizontal axis sheave mounted therein for training of the cable led from said pair under and over the same to be extended across the body, a set of three hooked end rails for attachment to either side of the

body to incline laterally downwardly therefrom and for elevating a load pulled up the same by said cable onto said body, a pair of rail keepers upon each side of the body upon opposite sides of the transverse center into which a pair of said rails are adapted to be hooked, and a single similar rail keeper on the side of said body opposite the sheave keeper into which the third rail is adapted to be hooked, said last-mentioned keeper and the sheave keeper being interchangeable.

2,346,606
REVERSIBLE HYDROMECHANICAL TRANSMISSION
Harlie O. Putt, Elkhart, Ind.
Application October 7, 1941, Serial No. 413,981
16 Claims. (Cl. 192—3.2)



1. In a reversible hydro-mechanical transmission, the combination of a centrifugal pump and chamber for same, a friction clutch, a hydraulic turbine, the turbine driving the device in one direction and the clutch causing reversal, a housing unit within which all of the aforesaid mechanisms are contained, and including communicating channels from the centrifugal pump chamber to the hydraulic turbine chamber, whereby a fluid within the housing may be pumped to and from the hydraulic turbine, and means to accomplish a quick reversal of rotation through pressure applied to the aforesaid clutch, the power transmitted by the clutch being dependent upon clutch slippage.

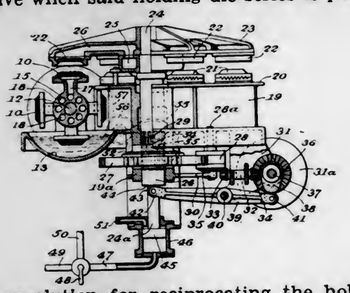
2,346,607
FINGER RING
Edward W. Raiman, Johnston, R. I.
Application May 15, 1943, Serial No. 487,135
2 Claims. (Cl. 63—15)



1. A finger ring having a single arcuate one-piece shank of relatively stiff resilient material and having substantially parallel portions throughout substantially its entire extent, to provide spaced bands about the finger, said portions being connected by blunt, rounded ends.

2,346,608
MACHINE FOR MANUFACTURING MOLDED PULP ARTICLES
Walter H. Randall, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, as trustee
Application July 15, 1941, Serial No. 402,476
10 Claims. (Cl. 92—56)

1. A fibrous pulp molding machine, comprising a fixed series of angularly spaced drying dies and a reciprocable and intermittently revoluble series of oppositely disposed foraminous holding dies, said holding dies overlying said drying dies and corresponding in angular spacing to said drying dies and being of complemental size and shape thereto, means for heating said drying dies, means for placing wet-formed articles on said holding dies, means for intermittently revolving said holding die series as a unit to positions wherein the holding dies are coactively alined with the drying dies, means operative when said holding die series is paused



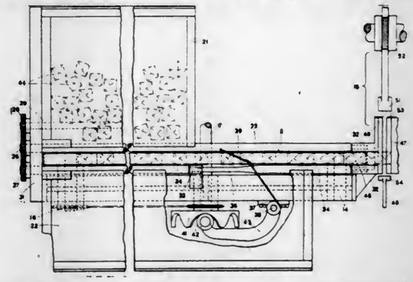
in its revolution for reciprocating the holding die series as a unit downwardly into pressure contact with the drying die series to press and dry the articles therebetween and for thereafter lifting the holding die series as a unit from said dryng die series to provide clearance between the drying dies and the holding dies so that the holding dies may subsequently be stepped as a unit relative to the drying dies, and means for ejecting the dried articles from the holding dies.

2,346,609
STORING AND SHIPPING HYDROGEN PEROXIDE
Walter S. Riggs, Haddon Heights, N. J., and Rudolf Lehmann, Hollywood, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 17, 1943, Serial No. 479,508
4 Claims. (Cl. 148—6)

1. The process of passivating aluminum to enable it to resist attack by hydrogen peroxide which comprises treating it with an aqueous solution of sodium hydrosulfite.

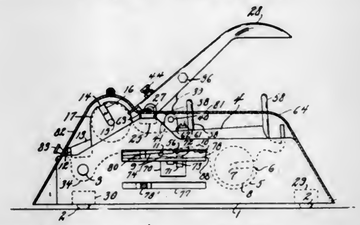
2,346,610
CONVEYER MECHANISM
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application October 10, 1940, Serial No. 360,605
In Great Britain October 16, 1939
12 Claims. (Cl. 198—30)

1. A conveyer mechanism for feeding a succession of sweets, tablets, or other articles to a machine for operating on the articles, comprising a conveyor belt arranged to convey the articles to the machine, and a feed table arranged adjacent the conveyer belt, said feed table consisting of two stationary platforms arranged one on each side of the conveyer belt above the level of the conveyer belt for supporting the articles to be fed to the conveyer belt and a pair of rollers extending one alongside each side of the conveyer belt between it and the corresponding stationary platform and each having a portion of its surface extending from the edge of the corresponding stationary platform to the corresponding edge of the conveyer belt so as to guide the articles during their conveyance by the conveyer belt, each roller being provided with a series of longitudinal flats and being arranged to rotate



in a direction such that the said portion of its surface moves towards the conveyer belt to assist the transfer of the articles from the corresponding stationary platform to the conveyer belt.

2,346,611
CHECK WRITER
Christian L. Rostock, Toledo, Ohio
Application December 22, 1941, Serial No. 424,007
1 Claim. (Cl. 101—20)

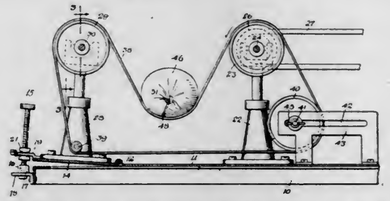


A check writer comprising a housing, a main frame supporting the housing and fixed therewith, a secondary frame, a pivotal mounting for the secondary frame, slides crosswise of the secondary frame, parallel guides movable along the slides, printing means engaged between the guides, an operating handle, a pivotal mounting for the operating handle spaced from the pivotal mounting for the secondary frame, an instrument receiving marking deck, a platen fixed with the main frame yieldable recovery means normally holding the handle away from the secondary frame and further yieldable recovery means normally holding the secondary frame clear of the deck, whereby the handle may be thrown to engage the secondary frame and bring the secondary frame into position at the deck for the printing means to come toward the platen with the instrument therebetween.

2,346,612
ALLYL ETHER OF DIALLYL MALATE
Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 14, 1940, Serial No. 361,152
15 Claims. (Cl. 260—78)

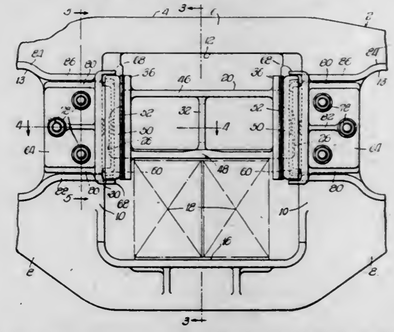
1. An unsaturated acyclic aliphatic alcohol ester of an unsaturated ether of an aliphatic alpha,beta-dicarboxylic acid having the carboxylic groups attached to saturated carbons and having on the acid a single acyclic unsaturated aliphatic ether group removed by not more than 2 carbon atoms from a carboxyl group, said acid being essentially completely esterified with the unsaturated alcohol, said unsaturated alcohol having the multiple bond connecting carbon atoms at least once removed from the carbon bearing the hydroxyl group.

2,346,613
WRAPPING MACHINE
Herbert Rumsey, Jr., Nutley, N. J.
Application March 14, 1941, Serial No. 383,325
6 Claims. (Cl. 93—2)



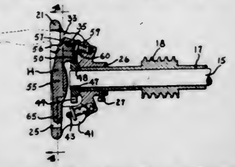
1. A wrapping machine to be used in twisting the projecting ends of sheet wrapping material which has been wrapped around the sides of a package which comprises supporting means, a driven pulley mounted on the supporting means for rotation, a drive pulley mounted on the supporting means for rotation, an endless belt of sufficient length to form a bite connected between the pulleys, means for applying a drag to the driven pulley and means for rotating the drive pulley in a direction whereby the upper span of the belt moves from the drive pulley to the driven pulley whereby the bite is formed in the upper span.

2,346,614
RAILWAY TRUCK
Carl Norval Rydin, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 28, 1941, Serial No. 395,507
12 Claims. (Cl. 105—197.2)



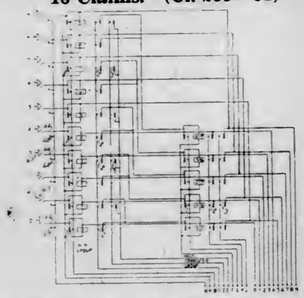
3. In a railway car truck, a side frame having a bolster opening and spaced columns at opposite sides thereof, a bracket seat on the outboard face of each column defined by spaced horizontally disposed flanges, a bracket removably secured to said seat, a friction shoe resiliently supported from each bracket and comprising a friction face, and a bolster end received within said opening, resiliently supported from said frame, and comprising friction panels in engagement with the associated faces.

2,346,615
TAKE-UP FOR LOOMS
Elliot A. Santon, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 1, 1943, Serial No. 485,323
10 Claims. (Cl. 139—304)



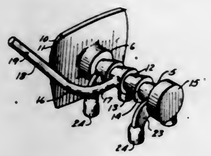
1. In take-up mechanism for a loom having a take-up shaft provided with a clutch member and having a hand wheel, means on the wheel defining diametrically oppositely disposed pockets, a handle having one end located in one of said pockets and pivoted to the hand wheel, the handle extending across said wheel and normally having the other end thereof located in the other of said pockets in driving engagement with said wheel, and a clutch lug on said handle for movement by the handle into and out of clutching relation with respect to said clutch member as the handle pivots on the wheel.

2,346,616
MULTIPLYING MACHINE
Frank Reginald Saxby, Eastcote, England, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application May 7, 1941, Serial No. 392,372
In Great Britain May 13, 1940
18 Claims. (Cl. 235—61)



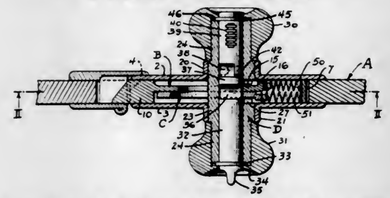
18. In a machine of the class described, the combination of a first plurality of denominational groups of storage devices individually operable to store the digits of an amount expressed in the decimal notation; a second plurality of denominational groups of storage devices individually operable to store the digits of an amount expressed in different notations; multiplier entering means to control the devices of the first plurality of denominational groups of devices to cause the operation of those devices which correspond to the digits of a multi-digit amount expressed in a decimal notation; multiplicand entering means to control the devices of the second plurality of denominational devices to cause the operation of those devices which correspond to the digits of a multi-digit amount expressed in said different notations; means to retain the operated devices in the first and second plurality of denominational groups of storage devices in operated condition; halving means operated under control of the devices of the first plurality of denominational groups of devices and operable to cause the storage devices in said first plurality of denominational groups of devices to be selectively operated according to the digits of the whole number part of half of the previously stored amount; doubling means operated under control of the devices of the second plurality of groups of denominational devices and operable to cause the storage devices in said second plurality of deonminational groups of devices to be selectively operated according to the digits of twice the previously stored amount; a product accumulator having denominational elements corresponding to the denominations of said second plurality of denominational groups of storage devices; actuating means for said product accumulator; means controlled from the storage devices of the different denominational groups of the second plurality of denominational groups for rendering the actuating means ineffective to actuate the corresponding element of the accumulator when the amount represented by the operated storage device of that denomination has been entered in the accumulator; halving and doubling operation control means sequentially operable to cause the operation of the halving and doubling means under control of the storage devices, next the release of the retaining means for the storage devices to clear the stored amount therefrom, then the operation of the storage devices under control of the halving and doubling means to set up half and double the previously stored amounts, and thereafter to cause the automatic initiation of a further operation of the sequentially operable control means to cause further halving and doubling operations to take place; further control means controlled by the odd value storage devices in the lowest denominational group of the first plurality of denominational groups of storage devices and rendered operable thereby to control the actuating means to initiate an entering operation under control of the operated storage devices of the second plurality of devices and to control the sequentially operable control means to prevent the automatic initiation of a further halving and doubling operation; means controlled by the means which renders the actuating means ineffective for causing the initiation of a further halving and doubling operation as soon as the entry of the amount in the product accumulator has been completed; and means controlled by the storage devices representing zero in the different denominations of the first plurality of denominational groups of devices for terminating further operation of the halving and doubling operation control means and the actuating means upon the simultaneous operation of all these storage devices.

2,346,617
GOLF CLUB
Fred B. Schaffer, Kansas City, Mo.
Application July 24, 1942, Serial No. 452,183
11 Claims. (Cl. 273—77)



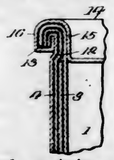
1. In a golf club, a head formed of molded plastic material, a metallic striking face plate on the forward wall of the head, a central projection extending rearwardly of the striking face plate into the head, a shaft forming a handle for said head, and a rod member integral with the central projection and extending laterally and upwardly through the head for connecting the central projection with said shaft.

2,346,618
DOOR LOCK
Walter R. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application April 2, 1941, Serial No. 386,478
8 Claims. (Cl. 70—143)



1. In a lock, a latch bolt adapted to assume a partially or a fully projected position, a spindle having means for retracting the latch bolt from the partially projected position, a movable member within the spindle having one surface engaging and retaining the latch bolt in the partially projected position and another surface adapted to engage and permit full projection of the latch bolt, and manually operated means for moving the member to present either surface for engagement with the latch bolt, so as to maintain the latch bolt in either the partially or the fully projected position.

2,346,619
SHEET METAL CONTAINER
Herbert Schrader, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 8, 1942, Serial No. 442,235
2 Claims. (Cl. 220—81)

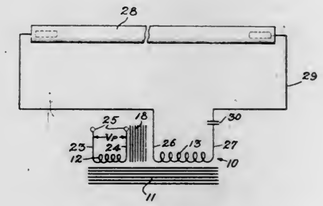


2. A sheet metal container comprising a body blank having its edge portions joined by a solderless side seam including an inner hook extending the full length of the side seam and an outer hook terminating short of the ends of the side seam, said hooks being interlocked throughout the length of the outer hook, the end portions of the inner hook being bent into contact with the body wall beyond the ends of the outer hook and lapped by the body wall carrying the outer hook and a plastic sealing composition covering the inner and outer faces of said inner hook and extending throughout the length of the lock and lap sections of the side seam for hermetically sealing the same, an end closure member double seamed to one end of said container body, said inner hook being extended into said double seam and said outer hook terminating at the lower edge of the double seam whereby a forming of the double seam will press the parts of the side seam beyond the end of the outer hook into intimate contact with each other and the plastic sealing material therebetween.

2,346,620
METHOD OF FORMING INSULATOR BODIES
Edward M. Skipper, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application November 28, 1940, Serial No. 367,673
6 Claims. (Cl. 25—156)

1. The method of producing high tension insulator bodies, which includes simultaneously mixing unfired porcelain clay ingredients including scrap clay with sufficient water to give to the mixture a water content of between eleven percent (11%) and thirteen percent (13%), introducing the mixed mass into a high pressure pug mill, extruding said product, and finally shaping selected portions thereof to produce therefrom high tension insulator bodies.

2,346,621
ALTERNATING CURRENT SUPPLY SYSTEM
Joseph G. Sola, Western Springs, Ill., assignor to Sola Electric Co., Chicago, Ill., a corporation of Delaware
Application November 13, 1943, Serial No. 510,117
9 Claims. (Cl. 315—239)

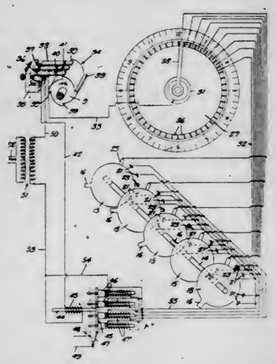


1. In an alternating current supply system; the combination with an alternating current source of predetermined voltage and frequency; of a gaseous discharge tube having a high initial breakdown voltage and a negative impedance operating characteristic; a transformer including magnetic core means having primary and secondary core portions; said portions having primary and secondary windings associated therewith respectively connected across said source and said tube; said windings having a turn ratio such that the open circuit voltage of said secondary winding is sufficient to effect initial breakdown of said tube; said core means including a high reluctance shunt magnetically disposed between said windings for relaxing the coupling therebetween upon the flow of current in said secondary winding; said core means and said secondary winding being so proportioned that said secondary core portion operates at substantially maximum flux density upon the flow of a secondary current corresponding to optimum operation of said tubes; and capacity reactance means in series circuit relation with said tube and said secondary winding; said capacity reactance means, said secondary winding and said tube having impedances at said frequency so proportioned as to effect a stable oscillatory condition of operation in the secondary circuit upon breakdown of said tube thereby to increase the secondary voltage and cause said optimum current flow through said tube; said current being limited by said maximum flux density regardless of said negative impedance characteristic of said tube.

2,346,622
REMOVER FOR PAINT, VARNISH, AND THE LIKE
Leo V. Steck, Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 2, 1942, Serial No. 433,029
8 Claims. (Cl. 252—168)

7. A finish remover suitable for removing dried coats of paint, varnish and lacquer containing major amounts of 2-chlorobutene-2, 1,2,3-trichlorobutane, and an aromatic hydrocarbon, and a minor amount of a film-forming compound.

2,346,623
AUTOMATIC CONTROL FOR ELECTRIC CIRCUITS
Robert F. Stewart and Paul W. Elrod, Franklin, Ohio; said Elrod assignor to Ohmer E. Stewart, Middletown, Ohio
Application January 22, 1942, Serial No. 427,836
4 Claims. (Cl. 250—20)



1. A program selector for a radio receiver comprising, an arcuate series of conductor bars representing different radio stations, selector disks having spring pressed contacts rotatable manually to engage the bars, an arcuate conductor fixed to the periphery of each disk in permanent contact with the spring pressed contact thereon, a brush contact pressed to engage each of said arcuate conductors, a time selector dial having mounted thereon an inner circular contact ring and an outer segmental circular series of contacts, circuit wires connecting the segmental contacts with the respective brush contacts, a rotary contact disposed to maintain contact with said ring and to successively engage the segmental contacts, a power controlling switch, a circuit maker and breaker, a conductor connecting said switch to said ring, clock mechanism for operating the rotary contact, the switch and the circuit maker and breaker, a source of electricity, solenoids operative to control a radio receiver and to open and close the switch, and conductors connected to the source of electricity, the solenoids, the circuit maker and breaker, and conductor bars, the arrangement being such that the circuit maker and breaker first operates to energize the switch solenoid to open the switch and terminate a program then energize a tuning button solenoid to tune in a predetermined program determined by the setting of a respective selector disk and simultaneously close the switch of the receiver to commence the selected program.

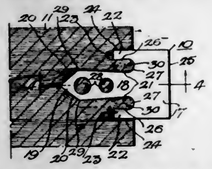
2,346,624
COATING COMPOSITION, COATED ARTICLE, AND METHOD OF MAKING SAME
Edwin G. Straus, New York, N. Y., assignor to Nalco Inc., New York, N. Y., a corporation of New York
Application January 10, 1942, Serial No. 426,366
9 Claims. (Cl. 117—64)



7. An article of manufacture comprising a base web or sheet having a water-energizable gum coating on one side thereof and a burnished coating on the opposite side thereof comprising the following ingredients in approximately the following proportions:

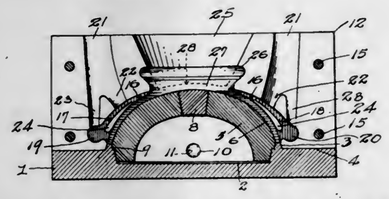
	Per cent
Film-forming binding agent	4 – 7
Pigment	90 –96
Wax	0.1–10
Plasticizer	0.0– 3

2,346,625
VENETIAN BLIND TILT BAR COUPLING MEMBER
Walter J. Stuber, Philadelphia, Pa., assignor to Carey McFall Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 4, 1944, Serial No. 516,951
20 Claims. (Cl. 160—177)



1. A connector for the tilt bar and segment of a Venetian blind, comprising a flat plate including a body portion adapted to extend beyond one end of said bar, and a plurality of tongues of relatively different lengths adapted to be driven into said end.

2,346,626
CERAMIC MOLD
Joseph R. Thompson, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Original application October 2, 1940, Serial No. 359,426. Divided and this application December 26, 1940, Serial No. 371,721
8 Claims. (Cl. 25—129)

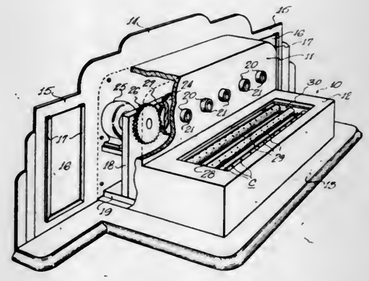


1. In a ceramic mold adapted to produce an inverted bowl having an integral exterior hollow supporting base, the combination with a mold base and a removable core having a convex molding face, of a vertically divided cope member mounted on the mold base and having a concave molding face, said cope member at its dividing line having an upper open-top casting-cavity open at its bottom to the matrix formed between the molding faces, whereby the bowl may be cast with its bottom portion forming the top portion of the hollow supporting base.

2,346,627
EXTINGUISHING LIGHT METAL FIRES
Richard I. Thrune, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 7, 1942, Serial No. 429,959
7 Claims. (Cl. 252—2)

1. A composition for extinguishing light metal fires which consists essentially of an intimate mixture of granular carbon together with from 0.5 to about 3 per cent by weight thereof of an at least semi-liquid high flash point organic substance unreactive chemically with the burning metal.

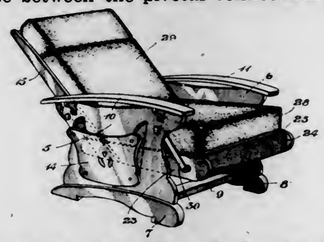
2,346,628
FOOD FORMING AND BAKING MACHINE
Max F. Todd, Houston, Tex.
Application August 17, 1942, Serial No. 455,026
6 Claims. (Cl. 99—427)



6. A machine for producing hollow buns comprising a substantially L-shaped housing, a plurality of aligned sockets mounted in the vertical portion of said housing having parallel shanks, interengaging gears to effect rotation of the companion gears and said sockets, dough forming spindles removably mounted in said sockets and means within the horizontal portion of said housing and underlying the series of spindles for supplying open heat for baking the dough on said spindles during rotation thereof.

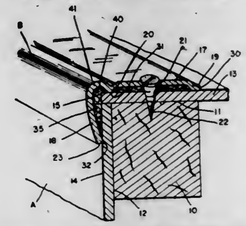
2,346,629
RECLINING CHAIR
Lewis C. Travers, Gardner, Mass., assignor to Mahoney Chair Company, Gardner, Mass., a corporation of Massachusetts
Application January 19, 1940, Serial No. 314,690
2 Claims. (Cl. 155—116)

1. In an upholstered reclining chair, upright side supporting frames, a back frame including side rails pivotally connected at an intermediate point to said side frames, said side rails being of such width as to project forwardly and upwardly to provide in conjunction with the remaining part of the back frame a recessed back cushion bed, a seat frame including upstanding seat side rails and a front rail providing a seat cushion bed, back and seat cushions disposed in said beds, the lower edge of the back cushion abutting the adjacent rear edge of the seat cushion and the back cushion bed being open above the back cushion to permit sliding movement of the latter cushion in its bed upon relative adjustment of the seat and back frames, pivotal members connecting the rear extremities of the seat side rails to the lower ends of the back side rails, suspension links pivotally connected at their upper ends to the side frames and at their lower ends to the seat side rails at the front extremities of the latter, said links being of substantially the same length as the distance between the pivotal connections of the



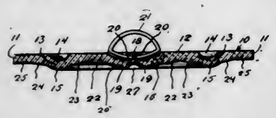
back side rails with the side frames and the rear extremities of the seat side rails to thereby always maintain the seat in substantially the same plane irrespective of adjustment, certain of said pivotal connections including adjustable pivot bolts and associated friction washers providing such frictional resistance that the seat and back may be adjusted through a change in posture of an occupant of the chair and will remain in such adjusted position until the occupant again changes posture and exerts some additional pressure to effect a different adjustment.

2,346,630
CORNER MOLDING FOR TRAILER BODIES AND THE LIKE
Carl J. Wagner, Detroit, Mich.
Application January 11, 1943, Serial No. 472,041
3 Claims. (Cl. 20—74)



1. A corner molding assembly comprising a strip of sheet material having two longitudinally connected leg portions disposed at substantially right angles to each other so as to overlie two faces forming a corner of an article, one of said leg portions being substantially flat except for two laterally spaced longitudinally extending inwardly pressed embossments for contact with one of the faces aforesaid and provided at spaced points longitudinally thereof between said embossments with openings for attaching elements, the other leg portion being transversely curved from its longitudinal free edge to the outer side of one of the embossments aforesaid so as to provide a rounded covering for the corner formed by the two faces mentioned, and waterproof caulking material received in the spaces between and held against displacement by the laterally spaced embossments and the free edge aforesaid to provide a weathertight seal between both leg portions of the strip and the two faces forming the corner aforesaid.

2,346,631
CONTAINER COVER
Emilie A. Wille, Mount Prospect, Ill.
Application August 12, 1941, Serial No. 406,547
7 Claims. (Cl. 99—347)

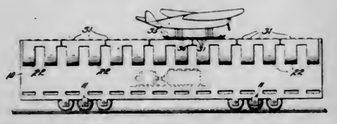


1. A cover of the class described for smooth rim containers consisting of a relatively flat body having a substantially central depending convex depressed portion at the bottom and a surrounding bottom recess inclined in opposite directions at obtuse angles to each other substantially from the transverse center thereof to form inner and outer seats to fit the rims of different sized containers at any point in their widths, a depressed portion surrounding said outer seat with a bottom rib, a seat surrounding said rib and inclined inwardly at an obtuse angle toward the same to fit the rims of different sized containers at any point in its width, and a surrounding outer horizontal flat seat portion above and outwardly of the last-named seat and parallel to the normal top face of the body to fit the rims of different sized containers at any point in its width, the inner seat serving to drain vapor and moisture toward the central depressed portion to drip therefrom into the container and the outer inclined portions serving to drain vapor and moisture toward the rib to also drip therefrom into the container.

2,346,632
ORGANIC DISINFECTING AGENT IN A SPECIAL FORM
Eugen Wolfert, Leverkusen-Wiesdorf, and Hansheinz Daab, Cologne, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 7, 1940, Serial No. 333,765. In Germany April 29, 1939
5 Claims. (Cl. 167—22)

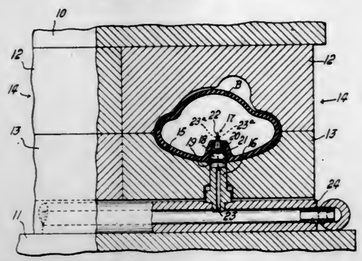
1. Foils or sheets consisting of a sheet-like cellulosic carrier coated with an organic disinfecting agent selected from the group of compounds containing at least one quaternary nitrogen atom and one higher alkyl radical fused with a substance containing a carboxylic acid amide group.

2,346,633
APPARATUS FOR LANDING AIRPLANES
David H. Bottrill, Montreal, Quebec, Canada, assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada, a corporation of the Province of Quebec, Canada
Application May 15, 1941, Serial No. 393,515
3 Claims. (Cl. 244—110)



1. Apparatus for landing an airplane, comprising a railway car, an unobstructed flat platform on said car, magnets projecting through said platform, and layers of vulcanized rubber on the upper surfaces of said magnets.

2,346,634
METHOD FOR PRODUCING HOLLOW RUBBER ARTICLES
David C. Kempthorn, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application July 15, 1942, Serial No. 450,954
2 Claims. (Cl. 18—56)

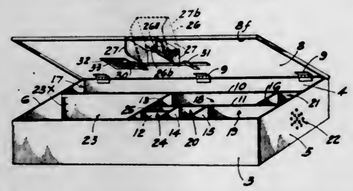


1. A method of making hollow rubber articles comprising inserting a preformed hollow biscuit of unvulcanized rubber in sectional mold, applying relatively low pressure within the biscuit to expand the same against the surfaces of the mold cavity while the mold is hot, said low pressure being insufficient to cause material flow of the rubber between the parting surfaces of the mold due to the heat thereof, whereby the biscuit is partially cured with little or no flash, and increasing the pressure within the biscuit to complete curing the same under the influence of vulcanizing heat.

2,346,635
CORROSION INHIBITOR
Arthur C. Pabst, Douglaston, and John H. Prall, Lynbrook, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 28, 1942, Serial No. 440,888
22 Claims. (Cl. 252—73)

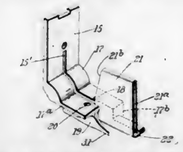
1. An aqueous heat exchange liquid comprising a major proportion of water and a minor proportion of a water dispersible nitrated fat sufficient to substantially inhibit corrosion of metals by said liquid.

2,346,636
CATHETERIZATION COMPACT
Edna Porter, Los Angeles, Calif.
Application December 10, 1942, Serial No. 468,481
4 Claims. (Cl. 206—12)



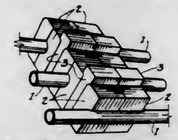
1. A container of the kind described comprising a lid, a box to which said lid is hinged, said box having within it partitions thereby dividing off a plurality of compartments underlying said lid when it is in the closed position, said compartments having open tops when said lid is in the open position, a door in said lid capable of being opened and closed independently of the latter and when open affording access while said lid is closed to certain of said compartments independently of the others, and means carried internally by said door to guard against desterilization of adjacent compartments when said door is opened to afford access to others of said compartments.

2,346,637
SEWING MACHINE
George W. Wesson, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 3, 1942, Serial No. 457,155
14 Claims. (Cl. 112—235)



1. In a sewing machine for attaching a strip to a pile-fabric article, in combination, work-feeding mechanism, stitch-forming mechanism including two reciprocatory needles spaced from each other transversely of the direction of work feed and a loop-taker complemental to both of said needles, means for guiding a binding strip between the two needles with one of its longitudinal margins superimposed upon said pile-fabric within the stitching zone of one of said needles and with the other of its longitudinal margins disposed outside the stitching zones, and means for forming a furrow in said pile in the line of seam formation of the other one of said needles.

2,346,638
ARCH AND WALL
Paul Wright, Birmingham, Ala.
Application September 12, 1939, Serial No. 294,568
12 Claims. (Cl. 110—1)

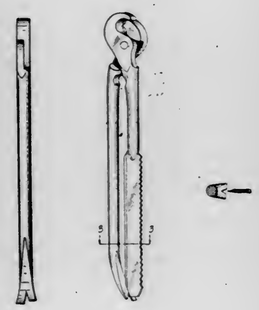


1. An imperforate structure subjected to the action of heat,—said structure a plurality of substantially parallel tubes, a plurality of spaced rows of blocks each of said rows including pairs of contacting blocks provided with recesses and surrounding one of said tubes; and spacers between the blocks in one of said rows and the blocks in an adjacent row, to hold said blocks in place on said tubes; each spacer comprised of one piece whose width is that of the adjacent blocks and whose thickness exceeds the depth of the tube recess in the adjacent blocks,—whereby each block is directly removable transversely to either side of said structure, after the contacting spacer is removed.

DESIGNS

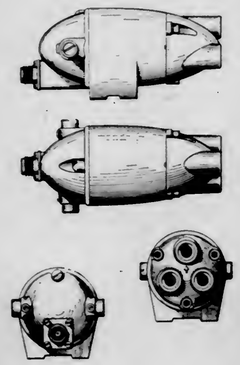
APRIL 11, 1944

137,631
DESIGN FOR A COMPOUND TOOL
Jacob J. Addin, Kalamazoo, Mich., assignor of four-fifths to Leo Addin, Kalamazoo, Mich.
Application February 19, 1944, Serial No. 112,633
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a compound tool, as shown.

137,632
DESIGN FOR A HOUSING FOR A COMBINED MOTOR AND PUMP
Don Charles Asbury, Glendale, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application February 4, 1944, Serial No. 112,444
Term of patent 14 years
(Cl. D65—1)



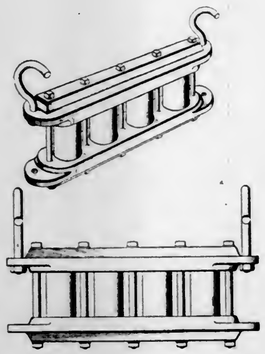
The ornamental design for a housing for a combined motor and pump, as shown.

137,633
DESIGN FOR A SCISSORS WHETTING WHEEL
Alfred M. Jacobson, Denver, Colo.
Application February 4, 1944, Serial No. 112,440
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a scissors whetting wheel, as shown.

137,634
DESIGN FOR AN ELECTROLYTIC WATER PURIFIER
Theodore C. Jones, Louisville, Ky.
Application February 1, 1944, Serial No. 112,397
Term of patent 14 years
(Cl. D16—2)



The ornamental design for an electrolytic water purifier, as shown and described.

137,635
DESIGN FOR A HAIRBRUSH
Fred Hermann Lotters, Albany, N. Y., assignor to Mohawk Brush Company, Albany, N. Y., a corporation of New York
Application December 16, 1941, Serial No. 104,661
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a hairbrush, as shown and described.

137,636
DESIGN FOR A COOKY JAR OR SIMILAR ARTICLE
Walter Oehrle, Pelham, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application November 20, 1943, Serial No. 111,747
Term of patent 14 years
(Cl. D58—25)



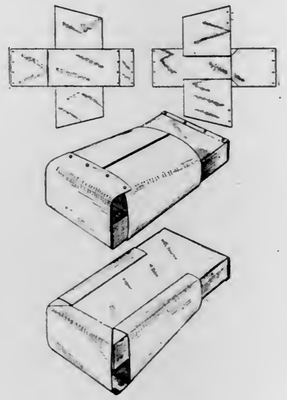
The ornamental design for a cooky jar or similar article, as shown.

137,637
DESIGN FOR A HAIR DYE APPLICATOR UNIT
Fred H. Nelson and Francis D. Potts, San Francisco, Calif.
Application October 4, 1943, Serial No. 111,268
Term of patent 14 years
(Cl. D86—10)



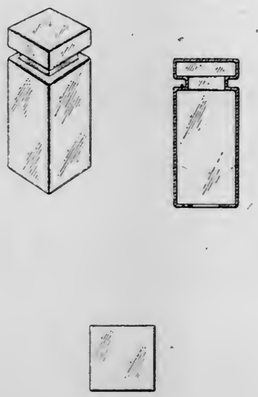
The ornamental design for a hair dye applicator unit, as shown.

137,638
DESIGN FOR A COMBINATION MATTRESS COVER AND BLANKET RETAINER OR SIMILAR ARTICLE
Edward H. Spiro, Jr., New York, N. Y.
Application February 12, 1941, Serial No. 98,974
Term of patent 3½ years
(Cl. D5—2)



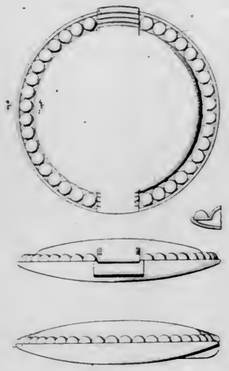
The ornamental design for a combination mattress cover and blanket retainer or similar article, as shown and described.

137,639
DESIGN FOR A TOOTHBRUSH HOLDER
Earl A. Stein, San Francisco, Calif.
Application January 8, 1944, Serial No. 112,193
Term of patent 3½ years
(Cl. D4—3)



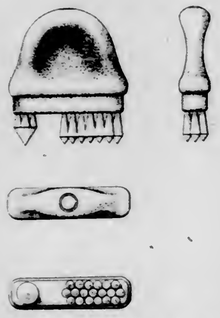
The ornamental design for a toothbrush holder, as shown.

137,640
DESIGN FOR A COMPACT CASE
Nicholas T. Baldanza, Rutherford, N. J., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application February 26, 1944, Serial No. 112,721
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a compact case, substantially as shown.

137,641
DESIGN FOR A DENTAL PLATE BRUSH
John F. Brown, Los Angeles, Calif.
Application January 1, 1944, Serial No. 112,145
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a dental plate brush, as shown.

137,642
DESIGN FOR AN EMBROIDERED TRIMMING
John Goldfrank, New York, N. Y.
Application February 3, 1944, Serial No. 112,431
Term of patent 3½ years
(Cl. D92—1)



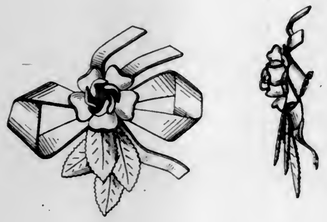
The ornamental design for an embroidered trimming, substantially as shown.

137,643
DESIGN FOR AN EMBROIDERED TRIMMING
John Goldfrank, New York, N. Y.
Application February 5, 1944, Serial No. 112,447
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming, substantially as shown.

137,644
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 25, 1944, Serial No. 112,712
Term of patent 7 years
(Cl. D45—19)



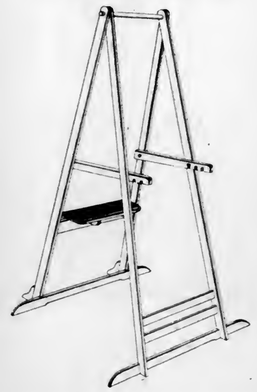
The ornamental design for a brooch pin or similar article, substantially as shown.

137,645
DESIGN FOR A PIN OR SIMILAR ARTICLE
Arthur Gerald Leary, Mount Vernon, N. Y.
Application December 8, 1943, Serial No. 111,951
Term of patent 3½ years
(Cl. D45—19)



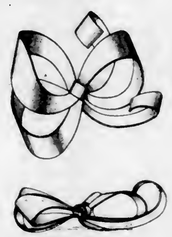
The ornamental design for a pin or similar article, substantially as shown.

137,646
DESIGN FOR AN EXERCISING APPARATUS
Orville Stamm, Chicago, Ill.
Application August 18, 1943, Serial No. 110,938
Term of patent 14 years
(Cl. D34—5)



The ornamental design for an exercising apparatus, substantially as shown.

137,647
DESIGN FOR A BROOCH OR THE LIKE
Ernest Steiner, New York, N. Y.
Application January 29, 1944, Serial No. 112,362
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

137,648
DESIGN FOR A BROOCH OR THE LIKE
Ernest Steiner, New York, N. Y.
Application January 29, 1944, Serial No. 112,363
Term of patent 3½ years
(Cl. D45—19)



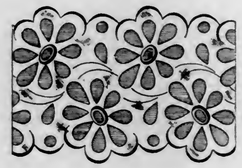
The ornamental design for a brooch or the like, substantially as shown.

137,649
DESIGN FOR A BROOCH OR THE LIKE
Ernest Steiner, New York, N. Y.
Application January 29, 1944, Serial No. 112,364
Term of patent 3½ years
(Cl. D45—19)



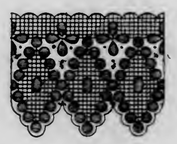
The ornamental design for a brooch or the like, substantially as shown.

137,650
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application January 12, 1944, Serial No. 112,219
Term of patent 3½ years
(Cl. D92—1)



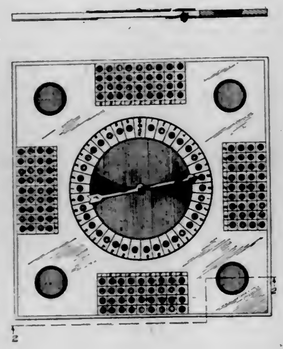
The ornamental design for an embroidered trimming or similar article, substantially as shown.

137,651
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application January 20, 1944, Serial No. 112,283
Term of patent 3½ years
(Cl. D92—1)



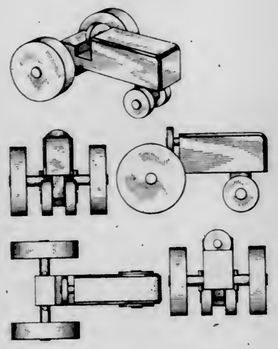
The ornamental design for an embroidered trimming or similar article, substantially as shown.

137,652
DESIGN FOR A GAME BOARD
William V. Wendland, Milwaukee, Wis.
Application January 14, 1944, Serial No. 112,240
Term of patent 7 years
(Cl. D34—5)



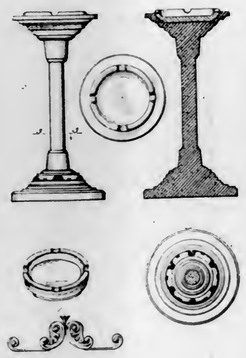
The ornamental design for a game board, as shown and described.

137,653
DESIGN FOR A TOY TRACTOR
James P. Donahue, Oak Park, Ill.
Application February 2, 1944, Serial No. 112,411
Term of patent 14 years
(Cl. D34—15)



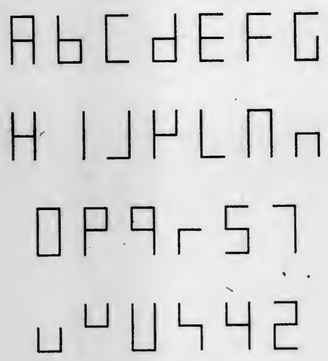
The ornamental design for a toy tractor, substantially as shown.

137,654
DESIGN FOR A SMOKING STAND
Jacob Goldberg, Springfield, Pa., assignor to G & R Mfg. Co., Philadelphia, Pa., a partnership
Application September 16, 1943, Serial No. 111,135
Term of patent 3½ years
(Cl. D85—2)



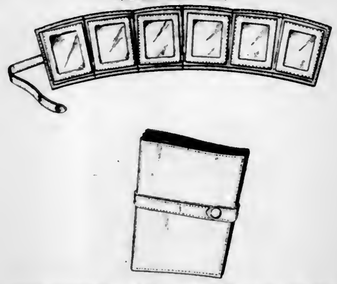
The ornamental design for a smoking stand, as shown.

137,655
DESIGN FOR A FONT OF TYPE
John A. Herbst, Oradell, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application August 20, 1943, Serial No. 110,964
Term of patent 3½ years
(Cl. D64—12)



The ornamental design for a font of type as shown.

137,656
DESIGN FOR A PHOTOGRAPH FOLDER
Ernest E. Koch, Forest Hills, N. Y.
Application January 25, 1944, Serial No. 112,320
Term of patent 3½ years
(Cl. D61—1)



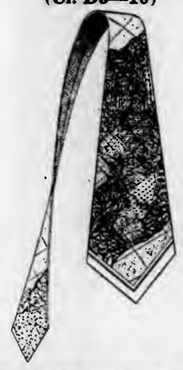
The ornamental design for a photograph folder, as shown.

137,657
DESIGN FOR A TOY DOLL
Frances Ruth Haedge, Dallas, Tex.
Application February 19, 1944, Serial No. 112,647
Term of patent 14 years
(Cl. D34—4)



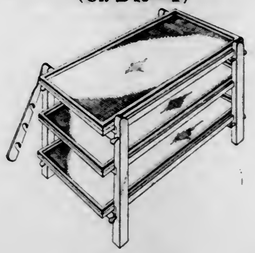
The ornamental design for a toy doll, as shown.

137,658
DESIGN FOR A NECKTIE
David Leneman, New York, N. Y.
Application July 24, 1943, Serial No. 110,743
Term of patent 7 years
(Cl. D3—16)



The ornamental design for a necktie, substantially as shown and described.

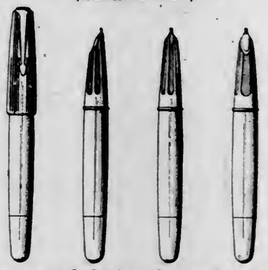
137,659
DESIGN FOR A DEHYDRATOR FOR FRUITS, VEGETABLES, OR THE LIKE
Frank L. Monroe, White Plains, N. Y.
Application July 2, 1943, Serial No. 110,586
Term of patent 7 years
(Cl. D49—1)





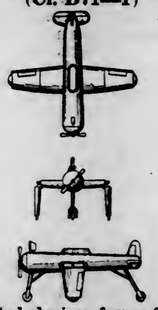
The ornamental design for a dehydrator for fruits, vegetables, or the like, as shown.

137,660
DESIGN FOR A FOUNTAIN PEN
Victor H. Severy, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia
Application February 3, 1944, Serial No. 112,433
Term of patent 14 years
(Cl. D74—17)



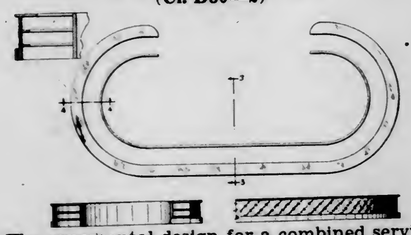
The ornamental design for a fountain pen, as shown and described.

137,661
DESIGN FOR A FOLDING WING AIRPLANE
William F. Sheffield, Baltimore, Md.
Application July 21, 1943, Serial No. 110,726
Term of patent 14 years
(Cl. D71—1)



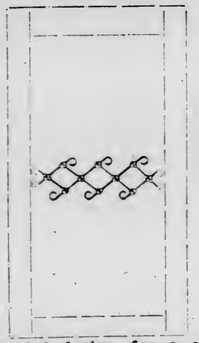
The ornamental design for a folding wing airplane, substantially as shown.

137,662
DESIGN FOR A COMBINED SERVING BAR AND GUARD PARTITION THEREFOR
Jack Stark, Edgemere, N. Y., assignor of one-third to Maurice B. Solomon and one-third to Enos Chatrand, both of New York, N. Y.
Application August 22, 1941, Serial No. 102,985
Term of patent 3½ years
(Cl. D80—2)



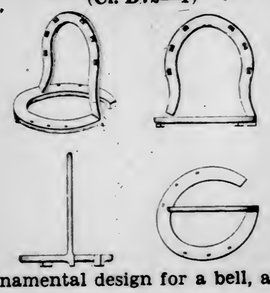
The ornamental design for a combined serving bar and guard partition therefor, substantially as shown and described.

137,663
DESIGN FOR A COMBINED DOOR AND PUSH-GRILLE
Dallas Emery Walker, Tampa, Fla.
Application February 18, 1944, Serial No. 112,632
Term of patent 14 years
(Cl. D13—1)



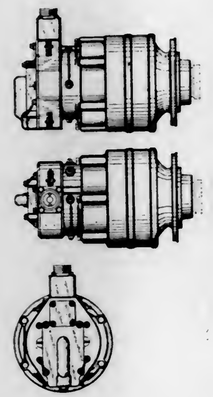
The ornamental design for a combined door and push-grille, substantially as shown and described.

137,664
DESIGN FOR A BELL
Fulton Brown, Winchester, Mass.
Application February 7, 1944, Serial No. 112,498
Term of patent 14 years
(Cl. D72—1)



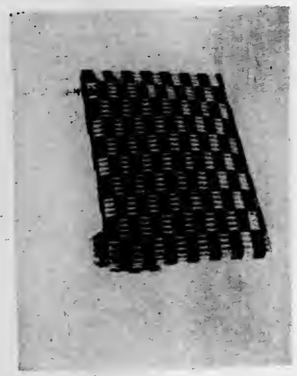
The ornamental design for a bell, as shown.

137,665
DESIGN FOR AN ENGINE STARTER
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz Research Corporation, Bedford, Ohio, a corporation of Ohio
Application December 15, 1943, Serial No. 112,010
Term of patent 14 years
(Cl. D26—5)



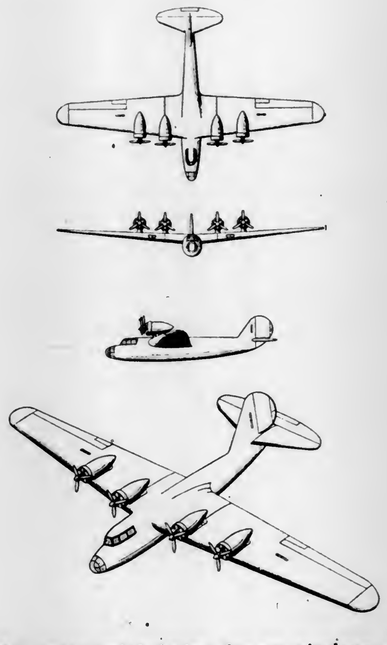
The ornamental design for an engine starter, substantially as shown.

137,666
DESIGN FOR A HANDBAG
Ida Jolles, New York, N. Y.
Application February 9, 1944, Serial No. 112,523
Term of patent 7 years
(Cl. D87—3)



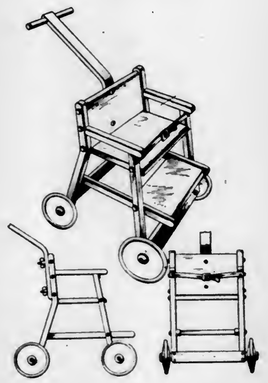
The ornamental design for a handbag, substantially as shown and described.

137,667
DESIGN FOR AN AIRPLANE
Othmar F. Maycen, New York, N. Y.
Application August 17, 1942, Serial No. 107,951
Term of patent 7 years
(Cl. D71—1)



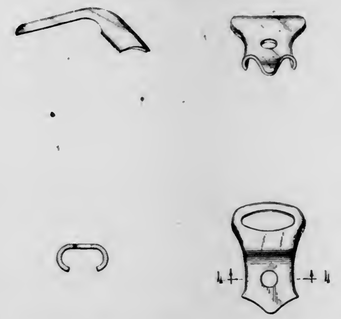
The ornamental design for an airplane, substantially as shown.

137,668
DESIGN FOR A BABY'S STROLLER
Leslie Peltier, Delphos, Ohio
Application June 4, 1943, Serial No. 110,366
Term of patent 3½ years
(Cl. D14—14)



The ornamental design for a baby's stroller, as shown.

137,669
DESIGN FOR A TRUSS BRACKET FOR BICYCLES
Frank W. Schwinn, Chicago, Ill.
Application November 10, 1943, Serial No. 111,642
Term of patent 14 years
(Cl. D90—9)



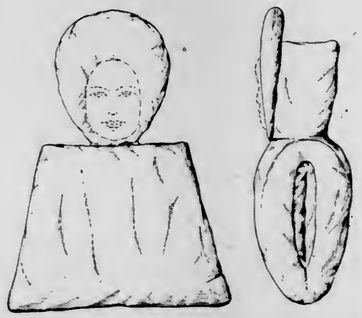
The ornamental design for a truss bracket for bicycles, substantially as shown.

137,670
DESIGN FOR A BROOCH OR THE LIKE
Ernest Steiner, New York, N. Y.
Application February 5, 1944, Serial No. 112,464
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

137,671
DESIGN FOR A MUFF
Thomas L. Vine, New York, N. Y.
Application December 16, 1943, Serial No. 112,013
Term of patent 14 years
(Cl. D3—2)



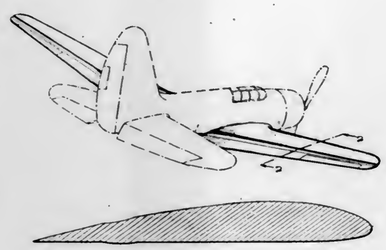
The ornamental design for a muff, as shown and described.

137,672
DESIGN FOR A PLAY SUIT ENSEMBLE
Emily Wilkens, New York, N. Y.
Application March 7, 1944, Serial No. 112,814
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a play suit ensemble, substantially as shown.

137,673
DESIGN FOR AN AIRPLANE
Edward V. Willis, Port Washington, N. Y.
Application August 24, 1943, Serial No. 110,991
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Actina, Inc., New York, N. Y. Sensitized photographic materials of paper, film and glass. Serial No. 467,364; Apr. 11. Class 26.

Allied Toiletries, Inc., Philadelphia, Pa. Foam bath, lipsticks, toilet water, etc. Serial No. 464,804; Apr. 11. Class 6.

Allis-Chalmers Manufacturing Company, Milwaukee and West Allis, Wis. Electrical insulator bonding materials. Serial No. 464,013; Apr. 11. Class 21.

Art Craft Metal Works. (See Walker, Dallas E.)

Associated Distributors, Chicago, Ill. Lipstick, rouge, antiperspirant, etc. Serial No. 466,716; Apr. 11. Class 6.

Associated Distributors, Chicago, Ill. Lipstick, rouge, antiperspirant, etc. Serial No. 466,717; Apr. 11. Class 6.

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils. Serial No. 466,778; Apr. 11. Class 15.

Bernheim Distilling Company, Louisville, Ky. Whiskey. Serial No. 466,400; Apr. 11. Class 49.

Blue Swann Mills, Inc., New York, N. Y. Ladies' and children's underwear. Serial No. 467,229; Apr. 11. Class 39.

Brandmeir, Henry A., doing business as Brandmeir Lumber Company, Seatttle, Wash. Lumber. Serial No. 460,688; Apr. 11. Class 12.

Brandmeir Lumber Company. (See Brandmeir, Henry A.)

Bristol Company, The, Waterbury, Conn. Auxiliary control apparatus for automatic regulators. Serial No. 465,612; Apr. 11. Class 26.

Bristol Company, The, Waterbury, Conn. Apparatus for use in pneumatic telemetering systems. Serial No. 465,614; Apr. 11. Class 26.

Bristol Company, The, Waterbury, Conn. Thermally-operated electrical apparatus. Serial No. 465,615; Apr. 11. Class 21.

Central Knitwear Mills, Inc., New York, N. Y. Ladies' and misses' sweaters, bathing suits, slacks, etc. Serial No. 432,339; Apr. 11. Class 39.

Chappel, Earl J., Rockford, Ill. Canned dog food. Serial No. 466,980; Apr. 11. Class 46.

Characters, Incorporated, Norwich, N. Y. Men's, women's, boys' and girls' underwear and sport shirts. Serial No. 466,688; Apr. 11. Class 39.

Cherry-Burrell Corporation, Chicago, Ill. Case and container conveyors, can washers, sterilizers, etc. Serial No. 454,935; Apr. 11. Class 23.

Cotton Classics. (See Hollub, Harry M.)

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 466,940; Apr. 11. Class 6.

Curtiss-Wright Corporation, New York and Buffalo, N. Y., Columbus, Ohio, St. Louis, Mo., and Louisville, Ky. Airplanes and structural parts therefor. Serial No. 464,778; Apr. 11. Class 19.

De Bardeleben Coal Corporation, Birmingham, Ala. Coke. Serial No. 467,092; Apr. 11. Class 1.

Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Stencil cutting machines. Serial No. 465,416; Apr. 11. Class 23.

Eno, J. C., (U. S.), Limited, Bloomfield, N. J. Non-alcoholic maltless beverage and compound for making the same. Serial No. 441,393; Apr. 11. Class 45.

Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Water softener. Serial No. 465,288; Apr. 11. Class 6.

Faber, A. W., Inc., Newark, N. J. Lead pencils. Serial No. 461,461; Apr. 11. Class 37.

Farel Destin, Inc., New York, N. Y. Lipstick and rouges. Serial No. 466,375; Apr. 11. Class 6.

Food Machinery Corporation, San Jose, Calif. Fluid spray projecting fire fighting apparatus. Serial No. 465,227; Apr. 11. Class 23.

Gaby, Inc., Philadelphia, Pa. Beauty and toilet preparations, etc. Serial No. 466,198; Apr. 11. Class 6.

Gladson, Albert, doing business as Pneumocol Company, Cleveland, Ohio. Ointment used in the treatment of all forms of rheumatism, neuralgia, myalgia, etc. Serial No. 464,135; Apr. 11. Class 6.

Gulf & West Indies Co., Inc., New York, N. Y. Chamois. Serial No. 460,547; Apr. 11. Class 1.

Gulf & West Indies Co., Inc., New York, N. Y. Sponges. Serial No. 460,546; Apr. 11. Class 1.

H. L. B. Corporation, New York, N. Y. Men's, women's, boys' and girls' leather sport coats and jackets. Serial No. 465,869; Apr. 11. Class 39.

Harper Feed Mills, Inc., Pittsburgh, Pa. Poultry feeds containing corn meal, bran, ground wheat, etc. Serial No. 464,507; Apr. 11. Class 46.

Hercules Powder Company, Wilmington, Del. Fertilizer compound. Serial No. 464,437; Apr. 11. Class 10.

Holeproof Hosiery Co., Milwaukee, Wis. Women's underwear. Serial No. 467,399; Apr. 11. Class 39.

Hollub, Harry M., doing business as Cotton Classics, New York, N. Y. Ladies' dresses, brunch coats, and nurses uniforms. Serial No. 467,196; Apr. 11. Class 39.

House of Hollywood, The, Los Angeles, Calif. Ointment for the treatment of burns, abrasions, bruises, and the like. Serial No. 466,991; Apr. 11. Class 6.

Hudnut, Richard, New York, N. Y. Body powder, talc, sachet. Serial No. 462,342; Apr. 11. Class 6.

Inland Steel Company, Chicago, Ill. Re-inforcing steel bars for use in concrete constructions. Serial No. 466,378; Apr. 11. Class 12.

Larkin Store Corporation, Buffalo, N. Y. Toilet preparations. Serial No. 456,311; Apr. 11. Class 6.

Levi, Simon, Co., Ltd., Los Angeles, Calif. Tequila. Serial No. 464,394; Apr. 11. Class 49.

Levine, David, doing business as Plating Equipment & Supply Company, New York, N. Y. Plating and polishing machines and parts thereof. Serial No. 466,996; Apr. 11. Class 23.

Lincoln & Ulmer Inc., New York, N. Y. Cigars, cigarettes and smoking tobacco. Serial No. 467,070; Apr. 11. Class 17.

Liondale Shirt Company, New York, N. Y. Men's and boys' dress shirts and sport shirts. Serial No. 467,198; Apr. 11. Class 39.

Machinery Supplies Comp. (See Schaller, Rose.)

McKesson & Robbins, Incorporated, New York, N. Y. Insecticides, and specifically ant poison. Serial No. 465,743; Apr. 11. Class 6.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Sinks and combined sinks and cabinets. Serial No. 466,536; Apr. 11. Class 13.

Nantex Manufacturing Co., New York, N. Y. Men's athletic underwear. Serial No. 467,351; Apr. 11. Class 39.

National Cigar Corporation, Wilmington, Del., Frankfort, Ind., and Cincinnati, Ohio. Cigars. Serial No. 464,488; Apr. 11. Class 17.

Natural Vision Equipment Corporation, New York, N. Y. Publications, charts, and drawings. Serial No. 465,848; Apr. 11. Class 38.

Nutrisoy Company, New York, N. Y. Canned soy beans. Serial No. 467,073; Apr. 11. Class 46.

Pantasote Leather Company, The, Passaic, N. J. Coated textile fabrics. Serial No. 466,512; Apr. 11. Class 50.

Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent for use in the treatment of bacterial infections. Serial No. 467,046; Apr. 11. Class 6.

Plating Equipment & Supply Company. (See Levine, David.)

Pneumocol Company. (See Gladson, Albert.)

Recker, O. R., doing business as O. R. Recker Packing Co., Phoenix, Ariz. Fresh vegetables. Serial No. 467,405; Apr. 11. Class 46.

Recker, O. R., Packing Co. (See Recker, O. R.)

Refinite Corporation, The, Omaha, Nebr. Machines for effecting the softening of water. Serial No. 466,333; Apr. 11. Class 23.

Rex-O-Graph, Inc., Milwaukee, Wis. Business machines. Serial No. 458,615; Apr. 11. Class 23.

Roth Fabrics Corporation, New York, N. Y. Silk and rayon fabrics in the piece. Serial No. 466,934; Apr. 11. Class 42.

Rubel, John, doing business as John Rubel Co., New York, N. Y. Brooches, bracelets, necklaces, etc. Serial No. 464,761; Apr. 11. Class 28.

Rubel, John, Co. (See Rubel, John.)

Rutger Fabrics Corp., New York, N. Y. Rayon and cotton piece goods. Serial No. 467,378; Apr. 11. Class 42.

Santa Nella Vineyards. (See Smith, Glenn A.)

Schaller, Rose, doing business as Machinery Supplies Comp., New York, N. Y. Preparations for dissolving and removing rust and for rust prevention. Serial No. 465,298; Apr. 11. Class 6.

Servel, Inc., Evansville, Ind., and New York, N. Y. Cleaning and polishing compound. Serial No. 464,274; Apr. 11. Class 4.

Servel, Inc., Evansville, Ind., and New York, N. Y. Gas water heaters. Serial No. 466,491; Apr. 11. Class 34.

Shelton, W. G., Co., Inc., St. Louis, Mo. Kit comprising an apparatus for giving so-called permanent waves to the human hair, etc. Serial No. 466,335; Apr. 11. Class 50.

Simmonds Aerocessories Limited, Brentford, England. Metal nuts, bolts, washers, and clips. Serial No. 458,712; Apr. 11. Class 13.

Smith, Glenn A., doing business as Santa Nella Vineyards, Los Angeles, Calif. Wines. Serial No. 462,032; Apr. 11. Class 47.
Smith, Glenn A., doing business as Santa Nella Vineyards, Los Angeles, Calif. Brandy. Serial No. 462,033; Apr. 11. Class 49.
Smith, Landon P., Inc., Irvington, N. J. Golf tees. Serial No. 464,732; Apr. 11. Class 22.
Suverkrop, Lew, Bakersfield, Calif. Surveying instruments. Serial No. 467,053; Apr. 11. Class 26.
Transamerica Wine Corp., New York, N. Y. Wines. Serial No. 467,325; Apr. 11. Class 47.
Wagner, Chas. P., & Bro. (See Wagner, Wiltz W.)
Wagner, Wiltz W., doing business as Chas. P. Wagner & Bro., New Orleans, La. Fruit preparation for flavoring ice cream, etc. Serial No. 449,594; Apr. 11. Class 46.
Walker, Dallas E., doing business as Art Craft Metal Works, Tampa, Fla. Metal grille fencing, trellises, and gates. Serial No. 463,717; Apr. 11. Class 13.
Western Auto Supply Company, Kansas City, Mo. Asphalt felt roll roofing and shingles. Serial No. 462,896; Apr. 11. Class 12.
Zenith Radio Corporation, Chicago, Ill. Television receiving and applifying apparatus and parts thereof. Serial No. 466,967; Apr. 11. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

A-B Stoves, Inc., Battle Creek, Mich. Gas ranges. 406,575; Apr. 11; Serial No. 463,920; published Feb. 1, 1944. Class 34.
A. & W. Manufacturing Corporation, New York, N. Y. Veilings. 406,596; Apr. 11; Serial No. 464,528; published Jan. 18, 1943. Class 42.
Abrams, Morris, doing business as Merribee Art Embroidery Company, New York, N. Y. Materials stamped with designs for art needlework for making tablecloths, table napkins, etc. 406,545; Apr. 11; Serial No. 462,329; published Jan. 4, 1944. Class 40.
Adelaide Mills, Annistown, Ala. Thread and yarn. 406,536; Apr. 11; Serial No. 460,861; published Feb. 1, 1944. Class 43.
Air Reduction Sales Company, New York, N. Y. Brazing flux. 406,543; Apr. 11; Serial No. 461,901; published Jan. 25, 1944. Class 6.
Allied Chemical & Dye Corporation. (See National Aniline & Chemical Company, Incorporated.)
Allied Packers, Incorporated, Chicago, Ill., assignor to Hygrade Food Products Corporation, New York, N. Y. Fresh meats. 179,474; renewed Feb. 12, 1944.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Men's, women's, and children's apparel. 406,558; Apr. 11; Serial No. 463,503; published Dec. 21, 1943. Class 39.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Women's ready to wear accessories. 406,584; Apr. 11; Serial No. 464,155; published Dec. 21, 1943. Class 39.
Aloff, Alexander, doing business as Chicago Packing Company, Chicago, Ill. Smoked dried boneless herring. 406,562; Apr. 11; Serial No. 463,721; published Feb. 1, 1944. Class 46.
American Fork & Hoe Company, The. (See Kelly Axe Mfg. Co., assignor.)
American Fork & Hoe Company, The. (See Macdonald, James F., assignor.)
American Safety Razor Corporation. (See Gem Safety Razor Corporation, assignor.)
American Safety Razor Corporation, Brooklyn, N. Y. Razors and razor blades. 406,635; Apr. 11. Class 23.
Associated Distributors, Chicago, Ill. Deodorizing perfume. 406,589; Apr. 11; Serial No. 464,332; published Jan. 25, 1944. Class 6.
B. B. & R Knight, Inc., Providence, R. I., and New York, N. Y., assignor, by mesne assignments, to Fruit of the Loom, Inc., Providence, R. I. Bleached cotton piece goods. 179,913; renewed Feb. 19, 1944.
Baker Paint & Varnish Co., Jersey City, N. J. Ready-mixed paints and varnishes. 187,781; renewed Aug. 12, 1944.
Baker Paint & Varnish Co., Jersey City, N. J. Mixed paints. 187,880; renewed Aug. 12, 1944.
Bancroft-Rellim Co. (See Miller, Morris.)
Beau-T-Form Foundations, Inc., Chicago, Ill. Leg bands for wear with foundation garments. 406,516; Apr. 11; Serial No. 456,090; published Dec. 21, 1943. Class 39.
Belsic Products, New York, N. Y. Flints or sparking metal. 406,539; Apr. 11; Serial No. 461,478; published Feb. 1, 1944. Class 34.
Benz Toilet Products, Inc., assignor to Raymond C. Goodwin, Syracuse, N. Y. Talcum powders, face powders, face creams, etc. 181,508; renewed Mar. 18, 1944.
Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassières, etc. 406,581; Apr. 11; Serial No. 464,075; published Dec. 21, 1943. Class 39.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece composed of wool, alpaca, mohair, etc. 406,602; Apr. 11; Serial No. 464,687; published Jan. 4, 1944. Class 42.
Bon Marche, The. (See Allied Stores Corporation.)
Bridgetts & Co., assignor to Maritime Fish Products Co., New York, N. Y. Sun-dried and salt-cured codfish. 181,560; renewed Mar. 25, 1944.
Brillo Manufacturing Company, Brooklyn, N. Y. Cooking utensils and soap holders. 187,866; renewed Aug. 12, 1944.
Brillo Manufacturing Company, Brooklyn, N. Y. Electric lamps and incandescent bulbs. 187,939; renewed Aug. 12, 1944.
Brody, Benjamin R., New York, N. Y. Women's and misses' wearing apparel. 406,513; Apr. 11; Serial No. 442,622; published June 30, 1942. Class 39.
Bryant, Estelle Poét, doing business as Estelle Bryant, Merion, Pa. Perfumes. 406,610; Apr. 11; Serial No. 464,849; published Jan. 25, 1944. Class 6.
Bryant, Estelle. (See Bryant, Estelle Poét.)
Bullard Company, The. (See Bullard Machine Tool Co., The, assignor.)
Bullard Machine Tool Co., The, assignor to The Bullard Company, Bridgeport, Conn. Metal-working machines. 184,735; renewed June 3, 1944.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Drug known chemically as d-N-methylamphetamine or d-desoxyephedrine. 406,542; Apr. 11; Serial No. 461,839; published Sept. 14, 1943. Class 6.
Buston, J. G., doing business as The Sun Rise Bottling Co., Tazewell, Va. Non-alcoholic maltless beverages and syrups for making the same. 406,648; Apr. 11. Class 45.
Carlye Jr. Sportswear, Inc., New York, N. Y. Juniors' and ladies' skirts, dresses, jackets, etc. 406,637; Apr. 11. Class 39.
Carson Pirie Scott & Company, Chicago, Ill. Ladies' suits, blouses, dresses, etc. 406,643; Apr. 11. Class 39.
Chicago Mill and Lumber Company, Chicago, Ill. Weatherproofed packing and shipping crates, boxes, and box panels. 406,524; Apr. 11; Serial No. 459,360; published Feb. 1, 1944. Class 2.
Chicago Packing Company. (See Aloff, Alexander.)
Cilvik, Apolinary S., doing business as Silvik Products Company, Wilkes-Barre, Pa. Preparation for the treatment of coughs. 406,642; Apr. 11. Class 6.
Cilvik Products Company. (See Cilvik, Apolinary S.)
Cincinnati Cordage & Paper Company, The, Cincinnati, Ohio. Writing paper. 180,848; renewed Mar. 11, 1944.
Cobb Canning Company, Cobb, Wis. Canned sweet peas and early peas. 406,639; Apr. 11. Class 46.
Colonial Watch Strap Co. Inc., New York, N. Y. Wrist watch straps. 406,577; Apr. 11; Serial No. 463,990; published Dec. 28, 1943. Class 40.
Collins Company, The, Collinsville, Conn. Axes, hatchets, adzes, etc. 187,954; renewed Aug. 12, 1944.
Commodore Hat Co., Inc., New York, N. Y. Men's and boys' hats and caps. 406,519; Apr. 11; Serial No. 457,586; published Jan. 4, 1944. Class 39.
Continental Electric Co., Inc., Newark, N. J. Electric motors, electric generators, alternators, etc. 187,900; renewed Aug. 12, 1944.
Conti Products Corporation, Brooklyn, N. Y. Olive oil. 406,645; Apr. 11. Class 46.
Coty, Francois Joseph de Spoturno, Suresnes, France, to Coty, Inc., New York, N. Y., successor. Perfumes, toilet waters, face powders, etc. 181,498; renewed Mar. 18, 1944.
Coty, Inc. (See Coty, Francois Joseph de Spoturno.)
Craig Manufacturing Company, Inc., New York, N. Y. Combination bedspread and comfort. 406,598; Apr. 11; Serial No. 464,600; published Jan. 4, 1944. Class 42.
Crygier, F. H., Tobacco Company. (See Eden, Charles.)
Dalare Associates, Philadelphia, Pa. Specific preparations. 406,623; Apr. 11; Serial No. 465,103; published Jan. 18, 1944. Class 6.
Danica, Maria, Laboratories Corporation, New York, N. Y. Perfume and a perfumed liquid. 406,563; Apr. 11; Serial No. 463,729; published Jan. 18, 1944. Class 6.
Darby, Harry, Kansas City, Kans. Bottoms for bins, buckets made of metal, burial caskets, etc. 406,633; Apr. 11; Serial No. 465,734; published Feb. 1, 1944. Class 2.
Davidson Manufacturing Corporation, Chicago, Ill. Duplicating machines. 406,634; Apr. 11. Class 23.
Dermetics, Inc., Seattle, Wash. Toilet preparations. 406,613; Apr. 11; Serial No. 464,992; published Jan. 25, 1944. Class 6.
Dey Brothers & Company. (See Allied Stores Corporation.)
Dittman, J. F., Company, Inc., New York, N. Y. Women's coats, suits, skirts, etc. 406,625; Apr. 11; Serial No. 465,180; published Feb. 1, 1944. Class 39.
Double Eagle Bottling Co., The, Cleveland, Ohio. Non-alcoholic, maltless beverages. 187,957; renewed Aug. 12, 1944.

Duluth-Superior Milling Company, Duluth, Minn., and New York, N. Y., assignor to Standard Milling Company, New York, N. Y. Wheat flour. 182,053; renewed Apr. 1, 1944.
Dunhill, Alfred, Limited, St. James', London, England. Tobacco pipes, cigar and cigarette holders. 406,638; Apr. 11. Class 8.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Tetrahydronaphthalene. 406,609; Apr. 11; Serial No. 464,814; published Jan. 18, 1944. Class 6.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Base metal and wooden frames. 406,626; Apr. 11; Serial No. 465,226; published Feb. 1, 1944. Class 32.
Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 180,997; renewed Mar. 11, 1944.
Eden, Charles, doing business as F. H. Crygier Tobacco Company, Hartford, Conn. Cigars. 182,425; renewed Apr. 8, 1944.
Fashion Bootery, The, Seattle, Wash. Shoes made of rubber, leather and/or fabric. 406,592; Apr. 11; Serial No. 464,479; published Jan. 4, 1944. Class 39.
Fesler, Geo. C. V., Company. (See Fesler, Mary E.)
Fesler, Mary E., doing business as Geo. C. V. Fesler Company, Montgomery, Ala. Preparation for oral hygiene. 406,605; Apr. 11; Serial No. 464,746; published Jan. 25, 1944. Class 6.
Forstmann & Huffman Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 180,969; renewed Mar. 11, 1944.
Forstmann & Huffman Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 181,168; renewed Mar. 11, 1944.
Forstmann & Huffman Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 181,562; renewed Mar. 25, 1944.
Fortsmann & Huffman Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 181,741; renewed Mar. 25, 1944.
Forstmann Woolen Co. (See Forstmann & Huffman Company, assignor.)
Fruit of the Loom, Inc. (See B. B. & R. Knight, Inc., assignor.)
Fulton Bag and Cotton Mills, Atlanta, Ga. Open mesh bags. 406,521; Apr. 11; Serial No. 458,222; published Feb. 1, 1944. Class 2.
Gem Safety Razor Corporation, assignor, by mesne assignments to American Safety Razor Corporation, Brooklyn, N. Y. Safety razors, safety-razor blades, and safety-razor sets. 187,946; renewed Aug. 12, 1044.
General Desserts Corporation, New York, N. Y. Pudding dessert powder. 406,619; Apr. 11; Serial No. 465,068; published Feb. 1, 1944. Class 46.
General Electric X-ray Corporation, Chicago, Ill. Paper filing envelopes. 406,585; Apr. 11; Serial No. 464,221; published Feb. 1, 1944. Class 37.
Gibson Refrigerator Company, Greenville, Mich. Mechanical refrigerators. 406,624; Apr. 11; Serial No. 465,106; published Feb. 1, 1944. Class 31.
Globe Novelty House, New York, N. Y. Buckles, collar clasps, collar buttons, etc. 406,523; Apr. 11; Serial No. 459,338; published Jan. 24, 1944. Class 40.
Golden State Company, Ltd., San Francisco, Calif. Product in powder form consisting of modified milk solids. 406,611; Apr. 11; Serial No. 464,885; published Feb. 1, 1944. Class 46.
Goodwin, Raymond C. (See Benz Toilet Products, Inc., assignor.)
Green Shoe Manufacturing Co., The, Boston, Mass. Shoes. 406,565; Apr. 11; Serial No. 463,837; published Dec. 7, 1943. Class 39.
H. L. B. Corporation, New York, N. Y. Men's, women's, boys' and girls' leather sport coats and jackets. 406,651; Apr. 11. Class 39.
Haft, Morris W., & Brothers, New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 406,520; Apr. 11; Serial No. 458,013; published Oct. 19, 1943. Class 39.
Hageman, Frank P., Minneapolis, Minn. After shaving lotion, deodorant, talcum powder, etc. 406,578; Apr. 11; Serial No. 464,042; published Jan. 18, 1944. Class 6.
Harpignies, Zinaida, New York, N. Y. Women's dresses, suits, caps, etc. 406,525; Apr. 11; Serial No. 459,469; published June 22, 1943. Class 39.
Harrison, Halla M., doing business as The Kil-A-Wig Co., Portland, Oreg. Poison for earwigs and other insects. 406,540; Apr. 11; Serial No. 461,690; published Jan. 18, 1944. Class 6.
Hearn Department Stores, Inc. (See Hearn, James A., & Son, Inc., assignor.)
Hearn, James A., & Son, Inc., assignor to Hearn Department Stores, Inc., New York, N. Y. Infants' and children's ready-to-wear outer clothing. 185,785; renewed June 24, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 180,662; renewed Mar. 4, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 180,776; renewed Mar. 4, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 180,778; renewed Mar. 4, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 181,060; renewed Mar. 11, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 181,146; renewed Mar. 11, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 183,050; renewed Apr. 22, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 183,053; renewed Apr. 22, 1944.
Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 183,300; renewed Apr. 29, 1944.
Heirloom Needlework Guild, Inc., New York, N. Y. Stuffed dolls and outfits. 406,559; Apr. 11; Serial No. 463,624; published Feb. 1, 1944. Class 22.
Hercules Powder Company, Wilmington, Del. Chlorinated rubber. 406,644; Apr. 11. Class 1.
Hershey Chocolate Company, assignor to Hershey Chocolate Corporation, Hershey, Pa. Chocolates and candy. 186,828; renewed July 22, 1944.
High Point Overall Company, High Point, N. C. Overalls, coats, jumpers, etc., 184,811; renewed June 3, 1944.
Hirsch, Mano, New York, N. Y. Toy guns. 406,599; Apr. 11; Serial No. 464,609; published Feb. 1, 1944. Class 22.
Hockmeyer Bros., Inc., Lowell, Mass. Corduroy piece goods. 406,555; Apr. 11; Serial No. 463,299; published Jan. 4, 1944. Class 42.
Holley Canning Company, Inc., Holley, N. Y. Canned peas, canned string beans, canned tomatoes, etc. 406,653; Apr. 11. Class 46.
Hudson Manufacturing Company, The, Minneapolis, Minn., by change of name to H. D. Hudson Manufacturing Company. Sprayers and parts thereof. 179,971; renewed Feb. 19, 1944.
Hudson Manufacturing Company, The, Minneapolis, Minn., by change of name to H. D. Hudson Manufacturing Company. Sprayers and parts thereof. 179,965–6; renewed Feb. 19, 1944.
Hudson Manufacturing Company, The, Minneapolis, Minn., by change of name to H. D. Hudson Manufacturing Company. Sprayers and parts thereof. 181,403; renewed Mar. 18, 1944.
Hudson, H. D., Manufacturing Company. (See Hudson Manufacturing Company, The.)
Hudson, J. L., Company, The, Detroit, Mich. Ladies' and misses' dresses, maids' and nurses' uniforms, smocks, etc. 406,652; Apr. 11. Class 39.
Hygrade Food Products Corporation. (See Allied Packers, Incorporated, assignor.)
Hyman, L., & Sons, New York, N. Y. Paper products. 406,614; Apr. 11; Serial No. 465,028; published Feb. 1, 1944. Class 37.
Imperial Chemical (Pharmaceuticals) Limited, Slough, England. Anaesthetic for cleansing wounds and for the alleviation of pain. 406,552; Apr. 11; Serial No. 463,204; published Jan. 18, 1944. Class 6.
International Business Machines Corporation. (See International Time Recording Company of New York, assignor.)
International Time Recording Company of New York, assignor to International Business Machines Corporation, New York, N. Y. Time stamps and elapsed-time machines. 187,207; renewed July 29, 1944.
Jersey Silk Mills, assignor to Truhu Silk Corporation, New York, N. Y. Waists, shirts, petticoats, etc. 186,840; renewed July 22, 1944.
Juergens, Wm. A., Company. (See Toledo Supply Company.)
Kabo Corset Company, Chicago, Ill. Corsets, girdles, foundations, etc. 406,512; Apr. 11; Serial No. 431,453; published Sept. 24, 1940. Class 39.
Katz, Joseph M., Pittsburgh, Pa. Stationery. 406,620; Apr. 11; Serial No. 465,073; published Feb. 1, 1944. Class 37.
Kelly Axe Mfg. Co., Charleston, W. Va., and New York, N. Y., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Adzes, axes, bush hooks, etc. 182,027; renewed Apr. 1, 1944.
Kil-A-Wig Co., The. (See Harrison, Halla M.)
Knott, Wm. T., Company, Inc., New York, N. Y. Shoes of leather for children. 406,528; Apr. 11; Serial No. 459,690; published June 29, 1943. Class 39.
Koch, Harry, New York, N. Y. Skin ointment. 406,649; Apr. 11. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Laundry and textile sour. 182,917; renewed Apr. 22, 1944.
Konkrete Exterior Stucco Company. (See Platner, William H.)
Kraft Cheese Company. (See Kraft, J. L., & Bros. Co., assignor.)
Kraft, J. L., & Bros. Co., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Cheese. 182,143; renewed Apr. 1, 1944.
Latz, Maurice D., doing business as Maurice D. Latz Co., New York, N. Y. Fruit concentrates. 406,603–4; Apr. 11; Serial Nos. 464,698–9; published Jan. 25, 1944. Class 45.
Latz, Maurice D., Co. (See Latz, Maurice D.)
Lazier, J. F., Manufacturing Company, Incorporated, St. Louis, Mo. Nonalcoholic, maltless flavoring and coloring for soft drinks. 187,843; renewed Aug. 12, 1944.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 406,615; Apr. 11; Serial No. 465,037; published Feb. 1, 1944. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. 406,616; Apr. 11; Serial No. 465,038; published Jan. 25, 1944; Class 6.

Levey Printing Company, Indianapolis, Ind., by change of name to Shield Press, Incorporated. Periodical magazine. 174,717; renewed Oct. 23. 1944.

Lewis (Import & Export) Limited, London, England. Moth repelling and destroying preparations. 406,621; Apr. 11; Serial No. 465,075; published Jan. 18, 1944. Class 6.

Library Bureau, Cambridge, Mass. assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Guide cards. 184,171; renewed May 20, 1944.

Lochmiller Avocado Co. (See Lochmiller, Emil W.)

Lochmiller, Emil W., doing business as Lochmiller Avocado Co., La Habra, Calif. Fresh avocados. 406,628; Apr. 11; Serial No. 465,364; published Feb. 1, 1944. Class 46.

Loft Candy Corporation. (See U. R. S. Candy Stores, Inc., assignor.)

Macdonald, James F., doing business as Jas. F. Macdonald Company, San Francisco, Calif., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rakes. 181,918; renewed Apr. 1, 1944.

Macdonald, Jas. F., Company. (See Macdonald, James F.)

Marathon Paper Mills Company, Rothschild, Wis. Lignin products. 406,541; Apr. 11; Serial No. 461,799; published Nov. 2, 1943. Class 6.

Marcellus, Ada, doing business as A. Marcellus Company, Boston, Mass. and New York, N. Y. Anti-acid tablets. 406,612; Apr. 11; Serial No. 464,893; published Jan. 25, 1944. Class 6.

Marcellus, A., Company. (See Marcellus, Ada.)

Maritime Fish Products Co. (See Bridgetts & Co., assignor.)

Marshall Field & Company, Chicago, Ill. Rugs. 406,583; Apr. 11; Serial No. 464,109; published Dec. 29, 1943. Class 42.

McCurrach Organization, New York, N. Y. Men's neckties. 406,587–8; Apr. 11; Serial Nos. 464,315–16; published Jan. 4, 1944. Class 39.

Meltis, Limited. (See Peek, Frean and Company, Limited, assignor.)

Merger Fabrics, New York, N. Y. Textile fabrics in the piece. 406,561; Apr. 11; Serial No. 463,651; published Dec. 28, 1943. Class 42.

Merribee Art Embroidery Company. (See Abrams, Morris.)

Metz, H. A., Laboratories, Inc., to Winthrop Chemical Company, Inc., New York, N. Y., by merger. Remedy for syphilis, sleeping sickness, trypanosomiasis, etc. 187,452; renewed Aug. 5, 1944.

Metz, H. A., Laboratories, Inc., to Winthrop Chemical Company, Inc., New York, N. Y., by merger. Remedy for syphilis, sleeping sickness, trypanosomiasis, etc. 187,454–5; renewed Aug. 5, 1944.

Metz, H. A. Laboratories, Inc., to Winthrop Chemical Company, Inc., New York, N. Y., by merger. Anaesthetics. 187,620; renewed Aug. 5, 1944.

Milkmaid, Inc., New York, N. Y. Cosmetics. 406,514; Apr. 11; Serial No. 452,400; published July 28, 1942. Class 6.

Miller, Morris, doing business as Bancroft-Rellim Co., Boston, Mass. High chair pads and play yard pads. 406,631; Apr. 11; Serial No. 465,510; published Feb. 1, 1944. Class 32.

Miller, R. H. Company, Inc., Asbury Park, N. J., and Homer, to R. H. Miller Company, Inc., Homer, N. Y. Saponaceous Compound. 187,384; renewed Aug. 5, 1944.

Minkota Milling Company, Duluth, Minn., assignor, by mesne assignments, to Standard Milling Company, New York, N. Y. Wheat flour. 24,582; re-renewed Apr. 24, 1944.

Munn and Steele, Incorporated, Newark, N. J. Bonding cement. 406,571; Apr. 11; Serial No. 463,909; published Feb. 1, 1944. Class 12.

Munn and Steele, Incorporated, Newark, N. J. Refractory cement. 406,572; Apr. 11; Serial No. 463,910; published Feb. 1, 1944. Class 12.

Munn and Steele, Incorporated, Newark, N. J. Fire proof, heat and sound insulating concrete. 406,573; Apr. 11; Serial No. 463,912; published Feb. 1, 1944. Class 12.

Nancee Hat Shops, Inc., St. Louis, Mo. Shoes made of leather, fabric, rubber, etc. 406,550; Apr. 11; Serial No. 462,951; published Dec. 21, 1943. Class 39.

Nash-Kelvinator Corporation. (See Nizer Corporation, assignor.)

National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y., by merger. Coal-tar dyestuffs. 186,016; renewed July 1, 1944.

National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y., by merger. Dyestuffs, certified food colors, and intermediates. 187,553; renewed Aug. 5, 1944.

National Electric Products Corporation, Pittsburgh, Pa. Non-metallic sheathed electric cables. 406,636; Apr. 11. Class 21.

National Gypsum Company. (See Universal Gypsum Company.)

National Oil Products Company, Harrison, N. J. Wetting and dispersing agent. 406,600; Apr. 11; Serial No. 464,663; published Jan. 18, 1944. Class 6.

Netzky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Ladies' blouses and shirts. 406,641; Apr. 11. Class 39.

Nizer Corporation, assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating units, refrigerators, etc. 180,588; renewed Mar. 4, 1944.

Noiseless Typewriter Distributing Co., San Francisco, Calif., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Carbon papers. 185,800; renewed June 24, 1944.

Northern Ordnance Incorporated, Minneapolis, Minn. Medicament. 406,529; Apr. 11; Serial No. 459,794; published Jan. 18, 1944. Class 6.

Nulomoline Company, The, New York, N. Y. Ingredient for use as a softening agent in adhesives. 406,518; Apr. 11; Serial No. 457,341; published Jan. 18, 1944. Class 6.

O. D. Chemical Corporation, New York, N. Y. Deodorant. 406,522; Apr. 11; Serial No. 495,152; published Jan. 18, 1944. Class 6.

Odell Company, The. (See Odell, R., & Sons Company, assignor.)

Odell, R., & Sons Company, assignor, to the Odell Company, assignor to The Odell Company, Newark, N. J. Hair tonic. 187,792–3; renewed Aug. 12, 1944.

Ohio Match Company, The, Wadsworth, Ohio, assignor, by mesne assignments, to The Ohio Match Company, New York, N. Y., and Wadsworth, Ohio. Matches. 186,690; renewed July 22, 1944.

Ohio Salt Company, The, Wadsworth, Ohio. Salt. 187,453; renewed Aug. 5, 1944.

Ohio Rubber Company, The, Willoughby, Ohio. Safety treads, tiles, and flooring. 406,526; Apr. 11; Serial No. 459,549; published Feb. 1, 1944. Class 12.

Opotow Dental Manufacturing Corp., New York, N. Y. Dental investment material. 406,629; Apr. 11; Serial No. 465,483; published Feb. 1, 1944. Class 44.

Packard, M. A., Company, Brockton, Mass. Shoes of leather with rubber soles. 406,582; Apr. 11; Serial No. 464,091; published Jan. 4, 1944. Class 39.

Peck & Peck, New York, N. Y. Hosiery. 187,321; renewed July 29, 1944.

Peek, Frean and Company, Limited, assignor to Meltis, Limited, London, England. Confectionery. 179,445; renewed Feb. 12, 1944.

Penneys, Samuel R., doing business as Sa-Ro Hosiery Company, Philadelphia, Pa. Hosiery. 406,535; Apr. 11; Serial No. 460,767; published Aug. 3, 1943. Class 39.

Phelan-Faust Paint Manufacturing, assignor to Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Varnish. 187,879; renewed Aug. 12, 1944.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 406,547; Apr. 11; Serial No. 462,593; published Jan. 4, 1944. Class 6.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 406,548; Apr. 11; Serial No. 462,595; published Jan. 4, 1944. Class 6.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 406,566; Apr. 11; Serial No. 463,877; published Dec. 21, 1943. Class 6.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 406,567; Apr. 11; Serial No. 463,880; published Dec. 21, 1943. Class 6.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 406,568; Apr. 11; Serial No. 463,882; published Dec. 21, 1943. Class 6.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Pharmaceutical preparation. 406,569; Apr. 11; Serial No. 463,886; published Dec. 21, 1943. Class 6.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 406,570; Apr. 11; Serial No. 463,890; published Dec. 21, 1943. Class 6.

Pitcher, L. R., doing business as Sta-Off Foot Remedy Company, Los Angeles, Calif. Preparation for removing corns, and for treatment of bunions, etc. 406,579; Apr. 11; Serial No. 464,067; published Jan. 18, 1944. Class 6.

Platner, William H., doing business as Konkrete Exterior Stucco Company, Omaha, Nebr. Portland cement stucco mixture. 179,997; renewed Feb. 19, 1944.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Boys' underwear, shorts, long trousers, etc. 406,608; Apr. 11; Serial No. 464,793; published Feb. 1, 1944. Class 39.

Poirette Corsets, Inc., New York, N. Y. Corsets, brassières, girdles, etc. 406,586; Apr. 11; Serial No. 464,271; published Jan. 4, 1944. Class 39.

Pollak Bros. Inc., Fort Wayne, Ind. Women's, misses', and girls' dresses, waists, playsuits, etc. 406,646; Apr. 11. Class 39.

Portage Wholesale Grocery Company, assignor to Portage Wholesale Company, Portage, Wis. Coffee, tea, peanut butter, etc. 183,419; renewed Apr. 29, 1944.

Portage Wholesale Company. (See Portage Wholesale Grocery Company, assignor.)

Quackenbush Company. (See Allied Stores Corporation.)

Rahm Instruments, Inc., New York, N. Y. Encephalographs, electroencephalographs, electro-shock apparatus, etc. 406,554; Apr. 11; Serial No. 463,277; published Feb. 1, 1944. Class 44.

Reichel Laboratories, Inc., Philadelphia, Pa. Hypodermic syringes and needles therefor. 406,632; Apr. 11; Serial No. 465,513; published Feb. 1, 1944. Class 44.

Reliable Textile Co., Inc., New York, N. Y. Fabrics. 406,517; Apr. 11; Serial No. 456,406; published Jan. 25, 1944. Class 42.

Remington Typewriter Company, Ilion and New York, assignor to Remington Rand Inc., Buffalo, N. Y. Carbon paper. 185,758; renewed June 24, 1944.

Remington Rand Inc. (See Noiseless Typewriter Distributing Co., assignor.)

Remington Rand Inc. (See Remington Typewriter Company, assignor.)

Remington Rand Inc. (See Library Bureau, assignor.)

Renart Sportswear Corp., New York, N. Y. Women's and girls' sweaters. 406,537; Apr. 11; Serial No. 461,101; published Aug. 24, 1943. Class 39.

Richards, Joshua M., South Boston, to Joshua M. Richards, Brookline and Boston, Mass. Structural glass. 186,634; renewed July 22, 1944.

Ritmor Sportswear Company, Cleveland, Ohio. Ladies' dresses, skirts, sweaters, etc. 406,640; Apr. 11. Class 39.

Ross, Sydney, Co., The, Newark, N. J. Dentifrices, talcum powder, saccharin tablets, etc. 187,391; renewed Aug. 5, 1944.

Ross, Sydney, Co., The, Newark, N. J. Talcum powder. 187,494; renewed Aug. 5, 1944.

Ross, Sydney, Co., The, Newark, N. J. Cathartic pills, tonic medicinal preparations, etc. 187,629; renewed Aug. 5, 1944.

Ross, Sydney, Co., The, Newark, N. J. Dentifrices, talcum powders, saccharine tablets, etc. 187,630; renewed Aug. 5, 1944.

Ross, Sydney, Co., The, Newark, N. J. Preparation for the treatment of diseases arising out of improper functioning of the liver or bowels. 187,631; renewed Aug. 5, 1944.

Rowell Corporation, The, New York, N. Y., assignor to Roxalin Flexible Finishes, Inc., Elizabeth, N. J. Liquid cleaner. 186,383; renewed July 8, 1944.

Roxalin Flexible Finishes, Inc. (See Rowell Corporation, The, assignor.)

Ryser, Frank, Co., Chicago, Ill., and Mayville, Wis. Cheese and cheese spreads. 406,647; Apr. 11. Class 46.

Rystan Company, New York, N. Y. Therapeutic chlorophyll preparations in various forms. 406,595; Apr. 11; Serial No. 464,520; published Jan. 25, 1944. Class 6.

S. M. A. Corporation, Chicago, Ill. Methionine. 406,590; Apr. 11; Serial No. 464,376; published Jan. 18, 1944. Class 6.

Sa-Ro Hosiery Company. (See Penneys, Samuel R.)

Saunders Valve Company of America, Inc., New York, N. Y. Diaphragm valves. 406,546; Apr. 11; Serial No. 462,518; published Feb. 1, 1944. Class 13.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields or pads, etc. 406,534; Apr. 11; Serial No. 460,658; published Jan. 18, 1944. Class 6.

Schumacher, F., & Co., New York, N. Y. Drapery and upholstery fabrics and carpets. 406,580; Apr. 11; Serial No. 464,069; published Jan. 18, 1944. Class 42.

Select Paper and Tablet Corporation, New York, N. Y. Paper pads, paper tablets, spiral bound paper items, etc. 406,560; Apr. 11; Serial No. 463,636; published Feb. 1, 1944. Class 37.

Selsi Company, Inc. (See Sussfeld, Lorsch & Schimmel, assignor.)

Seltzer & Rydholm, Inc. (See Seltzer, Samuel.)

Seltzer, Samuel, doing business as Seltzer & Rydholm, Inc., Auburn, Maine, to Samuel Seltzer, Sunnyside, Long Island, N. Y. Nonalcoholic, maltless beverages. 180,648; renewed Mar. 4, 1944.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparation. 406,564; Apr. 11; Serial No. 463,740; published Jan. 25, 1944. Class 6.

Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal preparation for use in massaging and bathing. 181,283; renewed Mar. 18, 1944.

Sharples Chemicals Inc., Philadelphia, Pa. Organic chemical compounds. 406,556; Apr. 11; Serial No. 463,334; published Jan. 18, 1944. Class 6.

Sheffield Farms Company, Inc., New York, N. Y. Food flavoring sauce and a food flavoring powder. 406,617; Apr. 11; Serial No. 465,049; published Feb. 1, 1944. Class 46.

Shield Press, Incorporated. (See Levey Printing Company.)

Smith & Kanzler Corporation, Elizabeth, N. J. Asbestos cement. 406,593; Apr. 11; Serial No. 464,491; published Feb. 1, 1933. Class 12.

Smith Premier Typewriter Company, The, Syracuse and New York, to The Smith Premier Typewriter Company, Buffalo, N. Y. Carbon paper. 185,836; renewed June 24, 1944.

Softley, Edward W., Butte, Mont. Liquid polishing preparation. 180,917; renewed Mar. 11, 1944.

Specialty Appliance Company. (See Warren, Mark E.)

Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Mechanical gyro-compasses, mechanical gyropilots, gyroscopic artificial horizons, etc. 406,544; Apr. 11; Serial No. 461,936; published Feb. 1, 1944. Class 20.

Squibb, E. R., & Sons, New York, N. Y. Preparations for use in dysfunctions of the anterior pituitary gland. 406,618; Apr. 11; Serial No. 465,051; published Jan. 18, 1944. Class 6.

Standard Milling Company. (See Duluth-Superior Milling Company, assignor.)

Standard Milling Company. (See Hecker-Jones-Jewell Milling Company, assignor.)

Standard Milling Company. (See Minkota Milling Company, assignor.)

Stames, Alex B., Brawley, Calif. Beer. 406,601; Apr. 11; Serial No. 464,679; published Jan. 4, 1944. Class 48.

Stanley Manufacturing Company, The, Dayton, Ohio. Decorated letter paper. 406,551; Apr. 11; Serial No. 463,184; published Feb. 1, 1944. Class 37.

Sta-Off Foot Remedy Company. (See Pitcher, L. R.)

Stearns, Guyon L., doing business as Stearns Laboratories, Columbus, Ohio. Laxative. 186,955; renewed July 22, 1944.

Stearns Laboratories. (See Stearns, Guyon L.)

Stoneville Pedigreed Seed Company, assignor to G. B. Walker, doing business as Stoneville Pedigreed Seed Co., Stoneville, Miss. Cottonseed, oat seed, seed corn, and other agricultural seeds. 182,580; renewed Apr. 15, 1944.

Stockton Textile Company, New York, N. Y. Woven rayon piece goods. 406,597; Apr. 11; Serial No. 464,559; published Jan. 4, 1944. Class 42.

Stroock, S., & Co., Inc., New York, N. Y. Cloth sold in the piece. 187,952; renewed Aug. 12, 1944.

Sullivan Company, The, Memphis, Tenn. Preparation in the nature of a treatment for new concrete. 406,650; Apr. 11. Class 12.

Sun Rise Bottling Co., The. (See Buston, J. G.)

Susquehanna Waist Company. (See Netzky, William.)

Sussfeld, Lorsch & Schimmel, assignor, by mesne assignments, to Selsi Company, Inc., New York, N. Y. Field and opera glasses. 180,851; renewed Mar. 11, 1944.

Sussfeld, Lorsch & Schimmel, assignor, by mesne assignments, to Selsi Company, Inc., New York, N. Y. Field and opera glasses. 180,857; renewed Mar. 11, 1944.

Sussfeld, Lorsch & Schimmel, assignor, by mesne assignments, to Selsi Company, Inc., New York, N. Y. Field and opera glasses. 181,166; renewed Mar. 11, 1944.

Taylor, R. W., & Company. (See Taylor, Richard W.)

Taylor, Richard W., doing business as R. W. Taylor & Company, Boston, Mass. Finishing compounds for use in the manufacture or treatment of textile fibres and fabrics, etc. 406,549; Apr. 11; Serial No. 462,862; published Jan. 4, 1944. Class 6.

Taylors, John, Limited, Huddersfield, England. Cloths and stuffs of wool, worsted, or hair. 184,757; renewed June 3, 1944.

Texas Tanning & Manufacturing Co., Yoakum, Tex. Billfolds. 406,630; Apr. 11; Serial No. 465,490; published Feb. 1, 1944. Class 3.

Thermacote Co., San Francisco, Calif. Bulbs. 406,606; Apr. 11; Serial No. 464,766; published Feb. 1, 1944. Class 21.

Thermacote Co., San Francisco, Calif. Cover glasses for welder's helmets. 406,607; Apr. 11; Serial No. 464,767; published Feb. 1, 1944. Class 26.

Tilbrook, Gilmore L., Washington, D. C. Mechanical calculating charts. 406,531; Apr. 11; Serial No. 459,968; published Feb. 1, 1944. Class 26.

Toledo Supply Company, to Wm. A. Juergens Company, Toledo, Ohio, successor. Tack rags and tack cloths. 182,831; renewed Apr. 15, 1944.

Truhu Silk Corporation. (See Jersey Silk Mills, assignor.)

Truscon Steel Company, Youngstown, Ohio. Window and door operators. 406,576; Apr. 11; Serial No. 463,961; published Feb. 1, 1944. Class 13.

Tylon Products, Inc., New York, N. Y. Cold permanent wave solution. 406,627; Apr. 11; Serial No. 465,238; published Jan. 18, 1944. Class 6.

Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Company, Inc.)

Underwood Products. (See Underwood, H. Lynn.)

Underwood, H. Lynn, doing business as Underwood Products, Greenville, Ohio. Denture adhesive powder. 406,533; Apr. 11; Serial No. 460,394; published Jan. 18, 1944. Class 6.

Universal Gypsum Company, Chicago, Ill., to National Gypsum Company, Buffalo, N. Y., by consolidation and merger. Plaster. 180,724; renewed Mar. 4, 1944.

U. R. S. Candy Stores, Inc., assignor, by mesne assignments, to Loft Candy Corporation, Long Island City, N. Y. Candy. 186,744; renewed July 22, 1944.

U. R. S. Candy Stores, Inc., assignor, by mesne assignments, to Loft Candy Corporation, Long Island City, N. Y. Candy. 186,831; renewed July 22, 1944.
Vamos, Alfred, New York, N. Y. Piece goods. 406,527; Apr. 11; Serial No. 459,574; published Feb. 1, 1944. Class 42.
Van Pelt & Brown, Inc., Richmond, Va. Medicinal preparation for use in the treatment of infections, fevers, etc. 406,538; Apr. 11; Serial No. 461,154; published Jan. 18, 1944. Class 6.
Vellumoid Company, The, Boston, to The Vellumoid Company, Worcester, Mass. Sheet packing and gaskets. 187,868; renewed Aug. 12, 1944.
Walker, G. B. (See Stoneville Pedigreed Seed Company, assignor.)
Wander Company, The, assignor to The Wander Company, Chicago, Ill. Colloidal hydroxide of aluminum. 181,317; renewed Mar. 18, 1944.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Vehicle for use in compounding prescriptions. 406,622; Apr. 11; Serial No. 465,095; published Jan. 18, 1944. Class 6.
Warren, Mark E., doing business as Specialty Appliance Company, Hartwell, Ga. Portable unitary electric butter churns. 406,594; Apr. 11; Serial No. 464,494; published Feb. 1, 1944. Class 21.
Well Equipment Manufacturing Corporation, Houston, Tex. Joint sealing and lubricating compound. 406,591; Apr. 11; Serial No. 464,380; published Feb. 1, 1944. Class 12.
Wells Lamont Smith Corporation, Chicago, Ill. Work gloves. 406,515; Apr. 11; Serial No. 453,970; published Oct. 6, 1942. Class 39.
Western Auto Supply Company, Kansas City, Mo. Furniture. 406,530; Apr. 11; Serial No. 459,915; published Feb. 1, 1944. Class 32.
West Kentucky Coal Company, Newark, N. J., Sturgis and Paducah, Ky., Memphis, Tenn., Donaldsonville, La., and Evansville, Ind., to West Kentucky Coal Company, Rockleigh, N. J., Earlington, Louisville, Sturgis, and Paducah, Ky., Memphis and Nashville, Tenn., Chicago, Ill., St. Louis, Mo., Evansville, Ind., and elsewhere. Coal. 187,505; renewed Aug. 5, 1944.
Weyenberg Shoe Manufacturing Company, Milwaukee, Wis. Shoes. 406,553; Apr. 11; Serial No. 463,257; published Dec. 7, 1943. Class 39.
Widmayer, John J., doing business as Widmayer Steel Company, Washington, D. C. Plaster. 406,574; Apr. 11; Serial No. 463,919; published Feb. 1, 1944. Class 12.
Widmayer Steel Company. (See Widmayer, John J.)
Wilshire Laboratories, Chicago, Ill. Batter and dough emulsifiers. 406,557; Apr. 11; Serial No. 463,409; published Feb. 1, 1944. Class 46.
Winterthur Silks Limited, London, England, and Dunfermline, Scotland. Bo'ting cloth made wholly of silk. 406,532; Apr. 11; Serial No. 460,102; published Aug. 24, 1943. Class 42.
Winthrop Chemical Company, Inc. (See Metz, H. A., Laboratories, Inc.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. West Kentucky Coal Company. 187,505; renewed Aug. 5, 1944.
Cottonseed, oat seed, seed corn, and other agricultural seeds. Stoneville Pedigreed Seed Company. 182,580; renewed Apr. 15, 1944.
Rubber, Chlorinated. Hercules Powder Company. 406,644; Apr. 11.

CLASS 2

Bags, Open mesh. Fulton Bag and Cotton Mills. 406,521; Apr. 11; Serial No. 458,222; published Feb. 1, 1944.
Bottoms for bins, buckets made of metal, burial caskets, etc. H. Darby. 406,633; Apr. 11; Serial No. 465,734; published Feb. 1, 1944.
Crates, boxes, and box panels, Weatherproofed packing and shipping. Chicago Mill and Lumber Company. 406,524; Apr. 11; Serial No. 459,360; published Feb. 1, 1944.

CLASS 3

Billfolds. Texas Tanning & Manufacturing Co. 406,630; Apr. 11; Serial No. 465,490; published Feb. 1, 1944.

CLASS 4

Cleaner, Liquid. Rowell Corporation. 186,383; renewed July 8, 1944.
Rags and tack cloths, Tack. Toledo Supply Company. 182,831; renewed Apr. 15, 1944.
Soaps, Toilet. Les Parfums De Dana, Inc. 406,615; Apr. 11; Serial No. 465,037; published Feb. 1, 1944.

CLASS 6

Adhesives, Ingredient for use as a softening agent in. Nulomoline Company. 406,518; Apr. 11; Serial No. 457,341; published Jan. 18, 1944.
Anaesthetic for cleansing wounds and for the alleviation of pain. Imperial Chemical (Pharmaceuticals) Limited. 406,552; Apr. 11; Serial No. 463,204; published Jan. 18, 1944.
Anaesthetics. H. A. Metz Laboratories, Inc. 187,620; renewed Aug. 5, 1944.
Colloidal hydroxide of aluminum. Wander Company. 181,317; renewed Mar. 18, 1944.
Cathartic pills, tonic medicinal preparations, etc. Sydney Ross Co. 187,629; renewed Aug. 5, 1944.
Cosmetics. Milkmaid, Inc. 406,514; Apr. 11; Serial No. 452,400; published July 28, 1942.
Dentifrices, talcum powder, saccharin tablets, etc. Sydney Ross Co. 187,391; renewed Aug. 5, 1944.
Dentifrices, talcum powders, saccharine tablets, etc. Sydney Ross Co. 187,630; renewed Aug. 5, 1944.
Denture adhesive powder. H. Lynn Underwood. 406,533; Apr. 11; Serial No. 460,394; published Jan. 18, 1944.
Deodorant. O. D. Chemical Corporation. 406,522; Apr. 11; Serial No. 459,152; published Jan. 18, 1944.
Deodorizing perfume. Associated Distributors. 406,589; Apr. 11; Serial No. 464,332; published Jan. 25, 1944.
Drug known chemically as d-N-methylamphetamine or d-desoxyephedrine. Burroughs Wellcome & Co. (U. S. A.) Inc. 406,542; Apr. 11; Serial No. 461,839; published Sept. 14, 1943.
Dyestuffs, certified food colors, and intermediates. National Aniline & Chemical Company. 187,553; renewed Aug. 5, 1944.
Dyestuffs, Coal-tar. National Aniline & Chemical Company. 186,016; renewed July 1, 1944.
Flux, Brazing. Air Reduction Sales Company. 406,543; Apr. 11; Serial No. 461,901; published Jan. 25, 1944.
Laundry and textile sour. H. Kohnstamm & Co. 182,917; renewed Apr. 22, 1944.
Laxative. G. L. Stearns. 186,955; renewed July 22, 1944.
Lignin products. Marathon Paper Mills Company. 406,541; Apr. 11; Serial No. 461,799; published Nov. 2, 1943.
Lotion, deodorant, talcum powder, etc., After shaving. F. P. Hageman. 406,578; Apr. 11; Serial No. 464,042; published Jan. 18, 1944.
Medical preparation. Physicians & Hospitals Supply Company. 406,547; Apr. 11; Serial No. 462,593; published Jan. 4, 1944.
Medical preparation. Physicians & Hospitals Supply Company. 406,548; Apr. 11; Serial No. 462,595; published Jan. 4, 1944.
Medical preparation. Physicians & Hospitals Supply Company. 406,566; Apr. 11; Serial No. 463,877; published Dec. 21, 1943.
Medical preparation. Physicians & Hospitals Supply Company. 406,567; Apr. 11; Serial No. 463,880; published Dec. 21, 1943.
Medical preparation. Physicians & Hospitals Supply Company. 406,568; Apr. 11; Serial No. 463,882; published Dec. 21, 1943.
Medical preparation. Physicians & Hospitals Supply Company. 406,570; Apr. 11; Serial No. 463,890; published Dec. 21, 1943.
Medicament. Northern Ordnance Incorporated. 406,529; Apr. 11; Serial No. 459,794; published Jan. 18, 1944.
Medicinal preparation for use in massaging and bathing. Sharp & Dohme. 181,283; renewed Mar. 18, 1944.
Medicinal preparation for use in the treatment of infections, fevers, etc. Van Pelt & Brown, Inc. 406,538; Apr. 11; Serial No. 461,154; published Jan. 18, 1944.
Methionine. S. M. A. Corporation. 406,590; Apr. 11; Serial No. 464,376; published Jan. 18, 1944.
Moth repelling and destroying preparations. Lewis (Import & Export) Limited. 406,621; Apr. 11; Serial No. 465,075; published Jan. 18, 1944.
Ointment, Skin. H. Koch. 406,649; Apr. 11.
Oral hygiene, Preparation for. M. E. Fesler. 406,605; Apr. 11; Serial No. 464,746; published Jan. 25, 1944.
Organic chemical compounds. Sharples Chemicals Inc. 406,556; Apr. 11; Serial No. 463,334; published Jan. 18, 1944.
Perfume and a perfumed liquid. Maria Danica Laboratories Corporation. 406,563; Apr. 11; Serial No. 463,729; published Jan. 18, 1944.
Perfumes. E. P. Bryant. 406,610; Apr. 11; Serial No. 464,849; published Jan. 25, 1944.
Perfumes, toilet waters, face powders, etc. F. J. de S. Coty. 181,498; renewed Mar. 18, 1944.
Pharmaceutical preparation. Physicians & Hospitals Supply Company. 406,569; Apr. 11; Serial No. 463,886; published Dec. 21, 1943.
Pharmaceutical preparation. Sharp & Dohme, Incorporated. 406,564; Apr. 11; Serial No. 463,740; published Jan. 25, 1944.
Poison for earwigs and other insects. H. M. Harrison. 406,540; Apr. 11; Serial No. 461,690; published Jan. 18, 1944.
Powders, face powders, face creams, etc., Talcum. Benz Toilet Products, Inc. 181,508; renewed Mar. 18, 1944.

Preparation for removing corns, and for treatment of bunions, etc. L. R. Pitcher. 406,579; Apr. 11; Serial No. 464,067; published Jan. 18, 1944.
Preparation for the treatment of coughs. A. S. Silvik. 406,642; Apr. 11.
Preparation for the treatment of diseases arising out of improper functioning of the liver or bowels. Sydney Ross Co. 187,631; renewed Aug. 5, 1944.
Preparation for use in dysfunctions of the anterior pituitary gland. E. R. Squibb & Sons. 406,618; Apr. 11; Serial No. 465,051; published Jan. 18, 1944.
Remedy for syphilis, sleeping sickness, trypanosomiasis, etc. H. A. Metz Laboratories, Inc. 187,452; renewed Aug. 5, 1944.
Remedy for syphilis, sleeping sickness, trypanosomiasis, etc. H. A. Metz Laboratories, Inc. 187,454–5; renewed Aug. 5, 1944.
Saponaceous compounds. R. H. Miller Company. 187,384; renewed Aug. 5, 1944.
Shields or pads, Adhesive medicated, etc. Scholl Mfg. Co. 406,534; Apr. 11; Serial No. 460,658; published Jan. 18, 1944.
Specific preparations. Dalare Associates. 406,623; Apr. 11; Serial No. 465,103; published Jan. 18, 1944.
Tablets, Anti-acid. A. Marcellus. 406,612; Apr. 11; Serial No. 464,893; published Jan. 25, 1944.
Talcum powder. Sydney Ross Co. 187,494; renewed Aug. 5, 1944.
Tetrahydronaphthalene. E. I. du Pont de Nemours and Company. 406,609; Apr. 11; Serial No. 464,814; published Jan. 18, 1944.
Textile fibres and fabrics, etc., Finishing compounds for use in the manufacture or treatment of. R. W. Taylor. 406,549; Apr. 11; Serial No. 462,862; published Jan. 4, 1944.
Therapeutic chlorophyll preparations in various forms. Rystan Company. 406,595; Apr. 11; Serial No. 464,520; published Jan. 25, 1944.
Toilet preparations. Dermetics, Inc. 406,613; Apr. 11; Serial No. 464,992; published Jan. 25, 1944.
Toilet preparations, perfumery and cosmetics. Les Parfums de Dana, Inc. 406,616; Apr. 11; Serial No. 465,038; published Jan. 25, 1944.
Tonic, Hair. R. Odell & Sons Company. 187,792–3; renewed Aug. 12, 1944.
Vehicle for use in compounding prescriptions. William R. Warner & Co. Inc. 406,622; Apr. 11; Serial No. 465,095; published Jan. 18, 1944.
Wave solution, Cold permanent. Tylon Products, Inc. 406,627; Apr. 11; Serial No. 465,238; published Jan. 18, 1944.
Wetting and dispersing agent. National Oil Products Company. 406,600; Apr. 11; Serial No. 464,663; published Jan. 18, 1944.

CLASS 8

Pipes, cigar and cigarette holders, Tobacco. Alfred Dunhill, Limited. 406,638; Apr. 11.

CLASS 9

Matches. Ohio Match Company. 186,690; renewed July 22, 1944.

CLASS 11

Paper, Carbon. Remington Typewriter Company. 185,758; renewed June 24, 1944.
Paper, Carbon. Smith Premier Typewriter Company. 185,836; renewed June 24, 1944.
Papers, Carbon. Noiseless Typewriter Distributing Co. 185,800; renewed June 24, 1944.

CLASS 12

Cement, Asbestos. Smith & Kanzler Corporation. 406,593; Apr. 11; Serial No. 464,491; published Feb. 1, 1944.
Cement, Bonding. Munn and Steele, Incorporated. 406,571; Apr. 11; Serial No. 463,909; published Feb. 1, 1944.
Cement, Refractory. Munn and Steele, Incorporated. 406,572; Apr. 11; Serial No. 463,910; published Feb. 1, 1944.
Cement stucco mixture, Portland. W. H. Platner. 179,997; renewed Feb. 19, 1944.
Concrete, fireproof, heat and sound insulating. Munn and Steele, Incorporated. 406,573; Apr. 11; Serial No. 463,912; published Feb. 1, 1944.
Plaster. Universal Gypsum Company. 180,724; renewed Mar. 4, 1944.
Plaster. J. J. Widmayer. 406,574; Apr. 11; Serial No. 463,919; published Feb. 1, 1944.
Preparation in the nature of a treatment for new concrete. Sullivan Company. 406,650; Apr. 11.
Sealing and lubricating compound, Joint. Well Equipment Manufacturing Corporation. 406,591; Apr. 11; Serial No. 464,380; published Feb. 1, 1944.
Treads, tiles, and flooring, Safety. Ohio Rubber Company. 406,526; Apr. 11; Serial No. 459,549; published Feb. 1, 1944.

CLASS 13

Cooking utensils and soap holders. Brillo Manufacturing Company. 187,866; renewed Aug. 12, 1944.
Valves, Diaphragm. Saunders Valve Company of America, Inc. 406,546; Apr. 11; Serial No. 462,518; published Feb. 1, 1944.
Window and door operators. Truscon Steel Company. 406,576; Apr. 11; Serial No. 463,961; published Feb. 1. 1944.

CLASS 16

Paints and varnishes, Ready-mixed. Baker Paint & Varnish Co. 187,781; renewed Aug. 12, 1944.
Paints, Mixed. Baker Paint & Varnish Co. 187,880; renewed Aug. 12, 1944.
Polishing preparation, Liquid. E. W. Softley. 180,917; renewed Mar. 11, 1944.
Varnish. Phelan-Faust Paint Manufacturing Company. 187,879; renewed Aug. 12, 1944.

CLASS 17

Cigars. C. Eden. 182,425; renewed Apr. 8, 1944.

CLASS 21

Bulbs. Thermacote Co. 406,606; Apr. 11; Serial No. 464,766; published Feb. 1, 1944.
Butter churns, Portable unitary electric. M. E. Warren. 406,594; Apr. 11; Serial No. 464,494; published Feb. 1, 1944.
Electric cables, Non-metallic sheathed. National Electric Products Corporation. 406,636; Apr. 11.
Electric lamps and incandescent bulbs. Brillo Manufacturing company. 187,939; renewed Aug. 12, 1944.
Electric motors, electric generators, alternators, etc. Continental Electric Co. 187,900; renewed Aug. 12, 1944.

CLASS 22

Dolls and outfits, Stuffed. Heirloom Needlework Guild, Inc. 406,559; Apr. 11; Serial No. 463,624; published Feb. 1, 1944.
Toy guns. M. Hirsch. 406,599; Apr. 11; Serial No. 464,609; published Feb. 1, 1944.

CLASS 23

Adzes, axes, bush hooks, etc. Kelly Axe Mfg. Co. 182,027; renewed Apr. 1, 1944.
Axes, hatchets, adzes, etc. Collins Company. 187,954; renewed Aug. 12, 1944.
Duplicating machines. Davidson Manufacturing Corporation. 406,634; Apr. 11.
Metal-working machines. Bullard Machine Tool Co. 184,735; renewed June 3, 1944.
Rakes. J. F. Macdonald. 181,918; renewed Apr. 1, 1944.
Razors and razor blades. American Safety Razor Corporation. 406,635; Apr. 11.
Razors, safety-razor blades, and safety-razor sets, Safety. Gem Safety Razor Corporation. 187,946; renewed Aug. 12, 1944.
Sprayers and parts thereof. Hudson Manufacturing Company. 179,965–6; renewed Feb. 19, 1944.
Sprayers and parts thereof. Hudson Manufacturing Company. 179,965–6; renewed Feb. 19, 1944.
Sprayers and parts thereof. Hudson Manufacturing Company. 179,971; renewed Feb. 19, 1944.
Sprayers and parts thereof. Hudson Manufacturing Company. 181,403; renewed Mar. 18, 1944.

CLASS 26

Charts, Mechanical calculating. G. L. Tilbrook. 406,531; Apr. 11; Serial No. 459,968; published Feb. 1, 1944.
Glasses, Field and opera. Sussfeld, Lorsch & Schimmel. 180,851; renewed Mar. 11, 1944.
Glasses, Field and opera. Sussfeld, Lorsch & Schimmel. 180,857; renewed Mar. 11, 1944.
Glasses, Field and opera. Sussfeld, Lorsch & Schimmel. 181,166; renewed Mar. 11, 1944.
Glasses for welder's helmet, Cover. Thermacote Co. 406,607; Apr. 11; Serial No. 464,767; published Feb. 1, 1944.
Gyro-compasses, mechanical gyropilots, gyroscopic artificial horizons, etc., Mechanical. Sperry Gyroscope Company. 406,544; Apr. 11; Serial No. 461,936; published Feb. 1, 1944.
Shutters, Photographic. Eastman Kodak Company. 180,997; renewed Mar. 11, 1944.
Stamps and elapsed-time machines, Time. International Time Recording Company of New York. 187,207; renewed July 29, 1944.

CLASS 31

Refrigerating units, refrigerators, etc. Nizer Corporation. 180,588; renewed Mar. 4, 1944.
Refrigerators, Mechanical. Gibson Refrigerator Company. 406,624; Apr. 11; Serial No. 465,106; published Feb. 1, 1944.

CLASS 32

Frames, Base metal and wooden. Eastman Kodak Company. 406,626; Apr. 11; Serial No. 465,226; published Feb. 1, 1944.
Furniture. Western Auto Supply Company. 406,530; Apr. 11; Serial No. 459,915; published Feb. 1, 1944.
Pads and play yard pads, High chair. M. Miller. 406,631; Apr. 11; Serial No. 465,510; published Feb. 1, 1944.

CLASS 33

Glass, Structural. J. M. Richards. 186,634; renewed July 22, 1944.

CLASS 34

Flints or sparking metal. Belsic Products. 406,539; Apr. 11; Serial No. 461,478; published Feb. 1, 1944.

Ranges, Gas. A-B Stoves, Inc. 406,575; Apr. 11; Serial No. 463,920; published Feb. 1, 1944.

CLASS 35

Packing and gaskets, Sheet. Vellumoid Company. 187,868; renewed Aug. 12, 1944.

CLASS 37

Cards, Guide. Library Bureau. 184,171; renewed May 20, 1944.

Envelopes, Paper filing. General Electric X-Ray Corporation. 406,585; Apr. 11; Serial No. 464,221; published Feb. 1, 1944.

Pads, paper tablets, spiral bound paper items, etc., Paper. Select Paper and Tablet Corporation. 406,560; Apr. 11; Serial No. 463,636; published Feb. 1, 1944.

Paper, Decorated letter. Stanley Manufacturing Company. 406,551; Apr. 11; Serial No. 463,184; published Feb. 1, 1944.

Paper products. L. Hyman & Sons. 406,614; Apr. 11; Serial No. 465,028; published Feb. 1, 1944.

Paper, Writing. Cincinnati Cordage & Paper Company. 180,848; renewed Mar. 11, 1944.

Stationery. J. M. Katz. 406,620; Apr. 11; Serial No. 465,073; published Feb. 1, 1944.

CLASS 38

Magazine, Periodical. Levey Printing Company. 174,717; renewed Oct. 23, 1944.

CLASS 39

Accessories, Women's ready to wear. Allied Stores Corporation. 406,584; Apr. 11; Serial No. 464,155; published Dec. 21, 1943.

Apparel, Men's, women's, and children's. Allied Stores Corporation. 406,558; Apr. 11; Serial No. 463,503; published Dec. 21, 1943.

Blouses and shirts, Ladies'. W. Netzky. 406,641; Apr. 11.

Coats and jackets, Men's, women's, boys', and girls' leather sport. H. L. B. Corporation. 406,651; Apr. 11.

Coats, suits, jackets, etc., Ladies' and misses'. Morris W. Haft & Brothers. 406,520; Apr. 11; Serial No. 458,013; published Oct. 19, 1943.

Coats, suits, skirts, etc., Women's. J. F. Dittman Company. 406,625; Apr. 11; Serial No. 465,180; published Feb. 1, 1944.

Clothing, Infant's and children's ready-to-wear outer. James A. Hearn & Son, Inc. 185,785; renewed June 24, 1944.

Corsets, brassières, girdles, etc. Poirette Corsets, Inc. 406,586; Apr. 11; Serial No. 464,271; published Jan. 4, 1944.

Corsets, girdles, and brassières, etc. Berger Brothers Company. 406,581; Apr. 11; Serial No. 464,075; published Dec. 21, 1943.

Corsets, girdles, foundations, etc. Kabo Corset Company. 406,512; Apr. 11; Serial No. 431,453; published Sept. 24, 1940.

Dresses, maids' and nurses' uniforms, smocks, etc., Ladies' and misses'. J. L. Hudson Company. 406,652; Apr. 11.

Dresses, skirts, sweaters, etc., Ladies'. Ritmor Sportswear Company. 406,640; Apr. 11.

Dresses, suits, caps, etc., Women's. Z. Harpignies. 406,525; Apr. 11; Serial No. 459,469; published June 22, 1943.

Dresses, waists, playsuits, etc., Women's, misses', and girls'. Pollak Bros. Inc. 406,646; Apr. 11.

Gloves, Work. Wells Lamont Smith Corporation. 406,515; Apr. 11; Serial No. 453,970; published Oct. 6, 1942.

Hats and caps, Men's and boys'. Commodore Hat Co., Inc. 406,519; Apr. 11; Serial No. 457,586; published Jan. 4, 1944.

Hosiery. Peck & Peck. 187,321; renewed July 29, 1944.

Hosiery. S. R. Penneys. 406,535; Apr. 11; Serial No. 460,767; published Aug. 3, 1943.

Leg bands for wear with foundation garments. Beau-T-Form Foundations, Inc. 406,516; Apr. 11; Serial No. 456,090; published Dec. 21, 1943.

Neckties, Men's. McCurrach Organization. 406,587–8; Apr. 11; Serial Nos. 464,315–16; published Jan. 4, 1944.

Overalls, coats, jumpers, etc. High Point Overall Company. 184,811; renewed June 3, 1944.

Shoes. Green Shoe Manufacturing Co. 406,565; Apr. 11; Serial No. 463,837; published Dec. 7, 1943.

Shoes. Weyenberg Shoe Manufacturing Company. 406,553; Apr. 11; Serial No. 463,257; published Dec. 7, 1943.

Shoes made of leather, fabric, rubber, etc. Nancee Hat Shops, Inc. 406,550; Apr. 11; Serial No. 462,951; published Dec. 21, 1943.

Shoes made of rubber, leather and/or fabric. Fashion Bootery, The. 406,592; Apr. 11; Serial No. 464,479; published Jan. 4, 1944.

Shoes of leather for children. W. T. Knott Company. 406,528; Apr. 11; Serial No. 459,690; published June 29, 1943.

Shoes of leather with rubber soles. M. A. Packard Company. 406,582; Apr. 11; Serial No. 464,091; published Jan. 4, 1944.

Skirts, dresses, jackets, etc., Juniors' and ladies'. Carlye Jr. Sportswear, Inc. 406,637; Apr. 11.

Suits, blouses, dresses, etc., Ladies'. Carson Pirie Scott & Company. 406,643; Apr. 11.

Sweaters, Women's and girls'. Renart Sportswear Corp. 406,537; Apr. 11; Serial No. 461,101; published Aug. 24, 1943.

Underwear, shorts, long trousers, etc., Boys'. Plymouth Wholesale Dry Goods Corporation. 406,608; Apr. 11; Serial No. 464,793; published Feb. 1, 1944.

Waists, shirts, petticoats, etc. Jersey Silk Mills. 186,840; renewed July 22, 1944.

Wearing apparel, Women's and misses'. B. R. Brody. 406,513; Apr. 11; Serial No. 442,622; published June 30, 1942.

CLASS 40

Buckles, collar clasps, collar buttons, etc. Globe Novelty House. 406,523; Apr. 11; Serial No. 459,338; published Jan. 25, 1944.

Materials stamped with designs for art needlework for making tablecloths, table napkins, etc. Morris Abrams. 406,545; Apr. 11; Serial No. 462,329; published Jan. 4, 1944.

Watch straps, Wrist. Colonial Watch Straps Co. Inc. 406,577; Apr. 11; Serial No. 463,990; published Dec. 28, 1943.

CLASS 42

Cloth made wholly of silk, Bolting. Winterthur Silks Limited. 406,532; Apr. 11; Serial No. 460,102; published Aug. 24, 1943.

Cloth sold in the piece. S. Stroock & Company. 187,952; renewed Aug. 12, 1944.

Combination bedspread and comfort. Craig Manufacturing Company. 406,598; Apr. 11; Serial No. 464,600; published Jan. 4, 1944.

Fabrics. Reliable Textile Co. 406,517; Apr. 11; Serial No. 456,406; published Jan. 25, 1944.

Fabrics and carpets, Drapery and upholstery. F. Schumacher & Co. 406,580; Apr. 11; Serial No. 464,069; published Jan. 18, 1944.

Fabrics in the piece composed of wool, alpaca, mohair, etc., Pile. Sidney Blumenthal & Co. Inc. 406,602; Apr. 11; Serial No. 464,687; published Jan. 4, 1944.

Piece goods. A. Vamos. 406,527; Apr. 11; Serial No. 459,574; published Feb. 1, 1944.

Piece goods, Bleached cotton. B. B. & R. Knight, Inc. 179,913; renewed Feb. 19, 1944.

Piece goods, Corduroy. Hockmeyer Bros., Inc. 406,555; Apr. 11; Serial No. 463,299; published Jan. 4, 1944.

Piece goods, Woolen. Forstmann & Huffman Company. 180,969; renewed Mar. 11, 1944.

Piece goods, Woolen. Forstmann & Huffman Company. 181,168; renewed Mar. 11, 1944.

Piece goods, Woolen. Forstmann & Huffman Company. 181,562; renewed Mar. 25, 1944.

Piece goods, Woolen. Forstmann & Huffman Company. 181,741; renewed Mar. 25, 1944.

Piece goods, Woven rayon. Stockton Textile Company. 406,597; Apr. 11; Serial No. 464,559; published Jan. 4, 1944.

Rugs. Marshall Field & Company. 406,583; Apr. 11; Serial No. 464,109; published Dec. 28, 1943.

Textile fabrics in the piece. Merger Fabrics. 406,561; Apr. 11; Serial No. 463,651; published Dec. 28, 1943.

Veilings. A. & W. Manufacturing Corporation. 406,596; Apr. 11; Serial No. 464,528; published Jan. 18, 1944.

Wool, worsted, or hair, Cloths and stuffs of. John Taylors, Limited. 184,757; renewed June 3, 1944.

CLASS 43

Thread and yarn. Adelaide Mills. 406,536; Apr. 11; Serial No. 460,861; published Feb. 1, 1944.

CLASS 44

Dental investment material. Opotow Dental Manufacturing Corp. 406,629; Apr. 11; Serial No. 465,483; published Feb. 1, 1944.

Encephalographs, electroencephalographs, electro-shock apparatus, etc. Rahm Instruments, Inc. 406,554; Apr. 11; Serial No. 463,277; published Feb. 1, 1944.

Syringes and needles therefor, Hypodermic. Reichel Laboratories, Inc. 406,632; Apr. 11; Serial No. 465,513; published Feb. 1, 1944.

CLASS 45

Beverages and syrups for making the same, Non-alcoholic maltless. J. G. Buston. 406,648; Apr. 11.

Beverages, Nonalcoholic maltless. Double Eagle Bottling Co. 187,957; renewed Aug. 12, 1944.

Beverages, Nonalcoholic, maltless. S. Seltzer. 180,648; renewed Mar. 4, 1944.

Flavoring and coloring for soft drinks, Nonalcoholic, maltless. J. F. Lazier Manufacturing Company. 187,843; renewed Aug. 12, 1944.

Fruit concentrates. D. M. Latz. 406,603–4; Apr. 11; Serial Nos. 464,698–9; published Jan. 25, 1944.

CLASS 46

Avocadoes, Fresh. E. W. Lochmiller. 406,628; Apr. 11; Serial No. 465,364; published Feb. 1, 1944.

Batter and dough emulsifiers. Wilshire Laboratories. 406,557; Apr. 11; Serial No. 463,409; published Feb. 1, 1944.

Candy. U. R. S. Candy Stores, Inc. 186,744; renewed July 22, 1944.

Candy. U. R. S. Candy Stores, Inc. 186,831; renewed July 22, 1944.

Canned peas, canned string beans, canned tomatoes, etc. Holley Canning Company. 406,653; Apr. 11.

Canned sweet peas and early peas. Cobb Canning Company. 406,639; Apr. 11.

Cheese. J. L. Kraft & Bros. Co. 182,143; renewed Apr. 1, 1944.

Cheese and cheese spreads. Frank Ryser Co. 406,647; Apr. 11.

Chocolates and candy. Hershey Chocolate Company. 186,828; renewed July 22, 1944.

Codfish, Sun-dried and salt-cured. Bridgetts & Co. 181,560; renewed Mar. 25, 1944.

Coffee, tea, peanut butter, etc. Portage Wholesale Grocery Company. 183,419; renewed Apr. 29, 1944.

Confectionery. Peek, Frean and Company, Limited. 179,445; renewed Feb. 12, 1944.

Flour, Wheat. Duluth-Superior Milling Company. 182,053; renewed Apr. 1, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,662; renewed Mar. 4, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,776; renewed Mar. 4, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,778; renewed Mar. 4, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 181,060; renewed Mar. 11, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 181,146; renewed Mar. 11, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,050; renewed Apr. 22, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,053; renewed Apr. 22, 1944.

Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,300; renewed Apr. 29, 1944.

Flour, Wheat. Minkota Milling Company. 24,582; renewed Apr. 24, 1944.

Herring, Smoked dried boneless. A. Aloff. 406,562; Apr. 11; Serial No. 463,721; published Feb. 1, 1944.

Meats, Fresh. Allied Packers, Incorporated. 179,474; renewed Feb. 12, 1944.

Olive oil. Conti Products Corporation. 406,645; Apr. 11.

Powder, Pudding dessert. General Desserts Corporation. 406,619; Apr. 11; Serial No. 465,068; published Feb. 1, 1944.

Product in powder form consisting of modified milk solids. Golden State Company, Ltd. 406,611; Apr. 11; Serial No. 464,885; published Feb. 1, 1944.

Salt. Ohio Salt Company. 187,453; renewed Aug. 5, 1944.

Sauce and a food flavoring powder, Food flavoring. Sheffield Farms Company. 406,617; Apr. 11; Serial No. 465,049; published Feb. 1, 1944.

CLASS 48

Beer. A. B. Stames. 406,601; Apr. 11; Serial No. 464,679; published Jan. 4, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Lemont, Clarence J., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Insulator. Re-22,469; Apr. 11.

Line Material Company. (See Lemont, Clarence J., assignor.)

LIST OF PLANT PATENTEES

Freeland, Elmer W., Clarinda, Iowa, assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 623; Apr. 11.

Stark Bro's Nurseries and Orchards Company. (See Freeland, Elmer W., assignor.)

LIST OF DESIGN PATENTEES

Addin, Jacob J., assignor of four-fifths to L. Addin, Kalamazoo, Mich. Compound tool. 137,631; Apr. 11.

Addin, Leo. (See Addin, Jacob J., assignor.)

Adel Precision Products Corp. (See Asbury, Don C., assignor.)

Asbury, Don C., Glendale, Calif., assignor to Adel Precision Products Corp. Housing for a combined motor and pump. 137,632; Apr. 11.

Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Compact case. 137,640; Apr. 11.

Borden Company, The. (See Oehrle, Walter, assignor.)

Brown, Fulton, Winchester, Mass. Bell. 137,664; Apr. 11.

Brown, John F., Los Angeles, Calif. Dental plate brush. 137,641; Apr. 11.

Chatrand, Enos, et al. (See Stark, Jack, assignor.)

Columbia Protektosite Company. (See Baldanza, Nicholas T., assignor.)

Donahue, James P., Oak Park, Ill. Toy tractor. 137,653; Apr. 11.

Federal Telephone and Radio Corporation. (See Herbst, John A., assignor.)

G & R Mfg. Co. (See Goldberg, Jacob, assignor.)

Goldberg, Jacob, Springfield, assignor to G & R Mfg. Co., Philadelphia, Pa. Smoking stand. 137,654; Apr. 11.

Goldfrank, John, New York, N. Y. Embroidered trimming. 137,642; Apr. 11.

Goldfrank, John, New York, N. Y. Embroidered trimming. 137,643; Apr. 11.

Haedge, Frances R., Dallas, Tex. Toy doll. 137,657; Apr. 11.

Heintz, Ralph M., Cleveland, assignor to Jack & Heintz Research Corporation, Bedford, Ohio. Engine starter. 137,665; Apr. 11.

Herbst, John A., Oradell, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Font of type. 137,655; Apr. 11.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 137,644; Apr. 11.

Jack & Heintz Research Corporation. (See Heintz, Ralph M., assignor.)

Jacobson, Alfred M., Denver, Colo. Scissors whetting wheel. 137,633; Apr. 11.

Jolles, Ida, New York, N. Y. Handbag. 137,666; Apr. 11.

Jones, Theodore C., Louisville, Ky. Electrolytic water purifier. 137,634; Apr. 11.

Koch, Ernest E., Forest Hills, N. Y. Photograph folder. 137,656; Apr. 11.

Leary, Arthur G., Mount Vernon, N. Y. Pin or similar article. 137,645; Apr. 11.

Leneman, David, New York, N. Y. Necktie. 137,658; Apr. 11.

Lotters, Fred H., assignor to Mohawk Brush Company, Albany, N. Y. Hairbrush. 137,635; Apr. 11.

Maycen, Othmar F., New York, N. Y. Airplane. 137,667; Apr. 11.

Mohawk Brush Company. (See Lotters, Fred H., assignor.)

Monroe, Frank L., White Plains, N. Y. Dehydrator for fruits, vegetables, or the like. 137,659; Apr. 11.

Nelson, Fred H., and F. D. Potts, San Francisco, Calif. Hair dye applicator unit. 137,637; Apr. 11.

Oehrle, Walter, Pelham, assignor to The Borden Company, New York, N. Y. Cookie jar or similar article. 137,636; Apr. 11.

Peltier, Leslie, Delphos, Ohio. Baby's stroller. 137,668; Apr. 11.

Potts, Francis D. (See Nelson, F. H., and Potts.)

Schwinn, Frank W., Chicago, Ill. Truss bracket for bicycles. 137,669; Apr. 11.

Scripto Manufacturing Company. (See Severy, Victor H., assignor.)

Severy, Victor H., assignor to Scripto Manufacturing Company, Atlanta, Ga. Fountain pen. 137,660; Apr. 11.

Sheffield, William F., Baltimore, Md. Folding wing airplane. 137,661; Apr. 11.

Solomon, Maurice B., et al. (See Stark, Jack, assignor.)

Spiro, Edward H., Jr., New York, N. Y. Combination mattress cover and blanket retainer or similar article. 137,638; Apr. 11.

Stamm, Orville, Chicago, Ill. Exercising apparatus. 137,646; Apr. 11.

Stark, Jack, Edgemere, assignor of one-third to M. B. Solomon and one-third to E. Chatrand, New York, N. Y. Combined serving bar and guard partition therefor. 137,662; Apr. 11.

Stein, Earl A., San Francisco, Calif. Toothbrush holder. 137,639; Apr. 11.

Steiner, Ernest, New York, N. Y. Brooch or the like. 137,647; Apr. 11.

Steiner, Ernest, New York, N. Y. Brooch or the like. 137,648; Apr. 11.

Steiner, Ernest, New York, N. Y. Brooch or the like. 137,649; Apr. 11.

Steiner, Ernest, New York, N. Y. Brooch or the like. 137,670; Apr. 11.

Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 137,650; Apr. 11.

Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 137,651; Apr. 11.

Vine, Thomas L., New York, N. Y. Muff. 137,671; Apr. 11.

Walker, Dallas E., Tampa, Fla. Combined door and push-grill. 137,663; Apr. 11.

Wendland, William V., Milwaukee, Wis. Game board. 137,652; Apr. 11.

Wilkens, Emily, New York, N. Y. Play suit ensemble. 137,672; Apr. 11.

Willis, Edward V., Port Washington, N. Y. Airplane. 137,673; Apr. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aber, Earnest F., Waterford, Wis. Milling cutter. 2,346,343; Apr. 11.
Alderson, Witty L., Jr. assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alpha-primary amino carboxylic acids. 2,346,547; Apr. 11.
Alexander, Eugene L., et al. (See Rose, S. P., and Somervell, assignors.)
Alien Property Custodian. (See Vautier, Léon P. G.)
Allen, Charles F. H., and G. F. Frame, assignors to Eastman Kodak Company, Rochester, N. Y. Azole disazo dye compounds and their manufacture. 2,346,531; Apr. 11.
Allen, Wayne H., Eagle Rock, Calif., assignor to General Electric Company. Turbosupercharger. 2,346,128; Apr. 11.
Allied Chemical & Dye Corporation. (See Cline, Edwin L., assignor.)
Allien Control Company. (See Ruthven, William, assignor.)
Allis-Chalmers Manufacturing Company. (See Sillers, Thomas G. A., assignor.)
American Brake Shoe Company, The. (See Houston, J. V., and Habel, assignors.)
American Can Company. (See Hothersal, John M., assignor.)
American Can Company. (See Taylor, William E., assignor.)
American Chain & Cable Company. (See Bratz, Otto J., assignor.)
American Chain & Cable Company. (See Southwell, R. J., and Conner, assignors.)
American Rolling Mill Company, The. (See Hays, N. E., Hoover, and Taylor, assignors.)
American Safety Razor Corporation. (See Kleinmann, Max, assignor.)
American Steel and Wire Company, The. (See Baster, Joseph D., assignor.)
American Steel and Wire Company, The. (See Brickman, A. E., and Trott, assignors.)
American Steel Foundries. (See Rydin, Carl N., assignor.)
Anderson, A. Arthur, Rose Township, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Automatic pressure-sensitive adhesive tape dispenser. 2,346,142; Apr. 11.
Anderson, Frithiof B., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device circuit. 2,346,545; Apr. 11.
Anderson, Gilbert R., Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Coating compostion. 2,346,409; Apr. 11.
Anderson, Gustaf W., Glastonbury, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Deep hole drill. 2,346,546; Apr. 11.
Anderson, Roger, Seattle, Wash. Fracture immobilibation splint. 2,346,346; Apr. 11.
Anderson, Russell M., Kansas City, Mo. Shoe re-arching and straightening device. 2,346,344; Apr. 11.
Andrews, Frederick W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Putty. 2,346,408; Apr. 11.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Heater for fluids. 2,346,345; Apr. 11.
Armour and Company. (See Sifferd, Robert H., assignor.)
Armstrong Cork Company. (See Navikas, Victor A., assignor.)
Art Metal Construction Company. (See Jones, J. R., Hultberg, and Gronberg, assignors.)
Asam, Frank H., Detroit, Mich. Front wheel drive mechanism. 2,346,143; Apr. 11.
Ashley, Carlyle M., and B. B. Mooney, Syracuse, N. Y., assignors to Carrier Corporation, Newark, N. J. Unit heater. 2,346,410; Apr. 11.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing and cementing machine. 2,346,246; Apr. 11.
Atkins, George E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Batteryless telephone system. 2,346,548; Apr. 11.
Atlantic Refining Company, The. (See Hartman, Russell C., assignor.)
Automatic Canteen Company of America. (See Carlson, John W., assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Automotive Products Company, Limited. (See Foottit, F. D., and Trapp, assignors.)
Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control apparatus. 2,346,284; Apr. 11.

Bailey, Emerson D., Wilmington, Del., M. M. Brubaker, Boothwyn, Pa., and J. H. Teeple, Caldwell, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Optical apparatus. 2,346,247; Apr. 11.
Baldwin Locomotive Works, The. (See Gibbons, Chester H., assignor.)
Balfe, George T., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Applying beads to the margins of strips. 2,346,347; Apr. 11.
Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heater for fluids. 2,346,348; Apr. 11.
Barnes, R. W., et al. (See Pulliam, James D., assignor.)
Baster, Joseph D., Shaker Heights, Ohio, assignor to The American Steel and Wire Company. Electroplating method. 2,346,349; Apr. 11.
Battery Company. (See de la Torre, Miguel, assignor.)
Baxter, Warren P. (See Cary, H. H., and Baxter.)
Beaulieu, Ezra J., Downers Grove, and L. E. Bennett, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer system. 2,346,285; Apr. 11.
Beavon, David K. (See Nagle, R. E., and Beavon.)
Beck, Arnold J. (See Palmieri, M., and Beck.)
Becker, Abraham S. and V. I., Los Angeles, Calif. Brassière. 2,346,411; Apr. 11.
Becker, Victor I. (See Becker, Abraham S. and V. I.)
Beckwith Manufacturing Company. (See Lovell, S. P., and Straw, assignors.)
Belada, John, Glassboro, N. J., assignor to Owens-Illinois Glass Company. Mechanism for handling closure blanks. 2,346,549; Apr. 11.
Bell, Francis W. (See Lovell, L. L., Martin, and Bell.)
Bell Telephone Laboratories, Incorporated. (See Anderson, Frithiof B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Atkins, George E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Brown, Joshua R. C., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Entz, Ferdinand S., assignor.)
Bell Teelphone Laboratories, Incorporated. (See Hickman, C. N., and Mallina, assignors.)
Bell Telephone Laboratories, Incorporated. (See Shackleton, Samuel P., assignor.)
Belsinger, Inc. (See Belsinger, Jack R., assignor.)
Belsinger, Jack R., assignor to Belsinger, Inc., Atlanta, Ga. Shipping container. 2,346,466; Apr. 11.
Benjamin, Sidney H., Milwaukee, Wis. Safety blade magazine. 2,346,144; Apr. 11.
Bennett, Loren E. (See Beaulieu, E. J., and Bennett.)
Bennett, Walter E., Jr. (See Wauson, H. C., and Bennett.)
Berl, Ernst and W. G., Pittsburgh, Pa. Highly substituted acetone-soluble cellulose acetate. 2,346,350; Apr. 11.
Berl, Walter G. (See Berl, Ernst and W. G.)
Berliner, Julius F. T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wood seasoning process. 2,346,286; Apr. 11.
Berry, R. S. (See Owen, Herbert L., assignor.)
Bills, Ira E., and W. B. Patey, Dalton, Ga. Skip stitch machine. 2,346,467; Apr. 11.
Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Recorder for collections. 2,346,145; Apr. 11.
Bocji Corporation. (See La Place, Desmond R., assignor.)
Boice, William B., Toledo, Ohio. Woodworking machine. 2,346,146; Apr. 11.
Boisseau, Alexander C., Lansdowne, Pa., assignor to General Electric Company. Pumpproof switch control system. 2,346,147; Apr. 11.
Bolidens Gruvaktiebolag. (See Lindblad, A. R., and Malmqvist, assignors.)
Bombardier, Joseph A., Valcourt, Quebec, Canada. Chain tread vehicle. 2,346,351; Apr. 11.
Boor, Arthur. (See Read, C. E., Nickelsen, and Boor.)
Booth, Earl C. (See Noblitt, Q. G., Booth, and Hamilton.)
Border, Lawson E., Wood River, and E. T. Gerhart, Edwardsville, Ill., assignors to Shell Development Company, San Francisco, Calif. Production of concentrated sodium hydrosulphide solutions. 2,346,550; Apr. 11.
Bordon Mfg. Co. (See Donnelly, Thomas S., Jr., assignor.)
Borgerd, William E., Riverside, J. Johnsen, and L. H. Hinkel, Chicago, Ill., assignors to International Harvester Company. Refrigerator. 2,346,287; Apr. 11.
Born, Ferdinand H., Elgin, Ill. Pneumatic body and fender hammer. 2,346,532; Apr. 11.

Bosma, Alfred S., New Holstein, Wis., assignor, by mesne assignments, to Hart-Carter Company, Peoria, Ill. Outboard motor. 2,346,148; Apr. 11.
Bottrill, David H., assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada. Apparatus for landing airplanes. 2,346,633; Apr. 11.
Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Sheet metal piston ring. 2,346,204; Apr. 11.
Bowling Patents Management Corporation. (See Schmidt, Gottfried J., assignor.)
Bowman, Henry V., Minneapolis, assignor to Bowman Products, Incorporated, St. Paul, Minn. Crate. 2,346,205; Apr. 11.
Bowman Products, Incorporated. (See Bowman, Henry V., assignor.)
Boxell, Glen L., Greentown, Ind., assignor to General Motors Corporation, Detroit, Mich. Cam operated machine. 2,346,352; Apr. 11.
Boyce, John. (See Eustis, I. N., Boyce, and Olsen.)
Bratz, Otto J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Holding end loops in cables. 2,346,412; Apr. 11.
Brauer, Walter, Oklahoma City, Okla. Flowing liquid from wells. 2,346,248; Apr. 11.
Breinig Brothers, Inc. (See Francis, Louis, assignor.)
Brewer, Charles A., Noroton Heights, assignor of one-half to P. J. Kury, Arverne, N. Y. Safety control system for motor vehicles. 2,346,149; Apr. 11.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control system for motor vehicles. 2,346,353; Apr. 11.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control system for motor vehicles. 2,346,354; Apr. 11.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control system for motor vehicles. 2,346,355; Apr. 11.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control system for motor vehicles. 2,346,533; Apr. 11.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control system for motor vehicles. 2,346,534; Apr. 11.
Brewer, Charles A., Noroton Heights, Conn., assignor to P. J. Kury, Arverne, N. Y. Clutch control mechanism. 2,346,535; Apr. 11.
Brickman, Alan E., Monongahela, and H. B. Trott, Donora, Pa., assignors to The American Steel and Wire Company of New Jersey. Machine for forming resilient brackets. 2,346,468; Apr. 11.
Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)
Briggs Manufacturing Company. (See Pattison, Herbert J., assignor.)
Brill, Ruby L., and S. Lipton, New York, N. Y. Hat adjusting means. 2,346,288; Apr. 11.
Brindle, Thomas, Pawtuxet, R. I. Loom for weaving ladder webbing. 2,346,551; Apr. 11.
British Rola Limited. (See Marlow, Dennis H., assignor.)
Broderick, Frank W., New Brighton, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Divided carton. 2,346,206; Apr. 11.
Broecker, Lewis C., Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Manufacturing inserts for valve stems. 2,346,413; Apr. 11.
Brooks Equipment Corporation. (See Quinn, Aloysius J., assignor.)
Brotz, Roman C., Kohler, Wis. Propeller. 2,346,552; Apr. 11.
Brown, Charles S., Syracuse, N. Y. Two-cycle internal combustion engine. 2,346,207; Apr. 11.
Brown, Clifford S., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Library book stack or the like. 2,346,150; Apr. 11.
Brown Instrument Company, The. (See Gess, Louis, assignor.)
Brown Instrument Company, The. (See Krogh, Anker E., assignor.)
Brown, Joshua R. C., Jr., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating suspensions and preparation. 2,346,553; Apr. 11.
Brown, Wallace M. (See Holmstrom, J. G., and Brown.)
Brubaker, Merlin M. (See Bailey, E. D., Brubaker, and Teeple.)
Bruner, Frank H. (See Pevere, E. F., Clarke, Hatch, and Bruner.)
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Compound denominate number calculating machine. 2,346,249; Apr. 11.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,346,250; Apr. 11.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Recording device. 2,346,251; Apr. 11.
Bukolt, Edmund V., executor. (See Bukolt, Roman B.)
Bukolt, Roman B., deceased, by E. V. Bukolt, executor. Stevens Point, Wis. Bed. 2,346,289; Apr. 11.
Burgess, Everett H. (See Lehane, T. J., and Burgess.)

Burk, Robert E., Cleveland Heights, and E. Kropp, assignors to The Standard Oil Company, Cleveland, Ohio. Treating coal. 2,346,151; Apr. 11.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Heavy duty lubricant. 2,346,356; Apr. 11.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. High temperature lubricant. 2,346,357; Apr. 11.
Busse, Warren F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for equalizing the tension in a plurality of strands. 2,346,358; Apr. 11.
Cabeza, Victor A., Rio Grande, Argentina. Safety cover for shearing machine. 2,346,536; Apr. 11.
Callenders Cable and Construction Company Limited. (See Vincent, Russell S., assignor.)
Campbell, Richard L. (See Rutherford, R. E., and Campbell.)
Canadian Car & Foundry Company Limited. (See Bottrill, David H., assignor.)
Canal National Bank of Portland, The. (See Randall, Walter H., assignor.)
Carbide and Carbon Chemicals Corporation. (See Merrill, L. K., and Wheeler, assignors.)
Carey McFall Company. (See Stuber, Walter J., assignor.)
Carlson, John W., assignor to Automatic Canteen Company of America, Chicago, Ill. Selective mixing assembly. 2,346,290; Apr. 11.
Carpenter, Homer C., Royal Oak, Mich., assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn. Vehicle seat. 2,346,414; Apr. 11.
Carrier Corporation. (See Ashley, C. M., and Mooney, assignors.)
Carter, Franklyn Y., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating system. 2,346,469; Apr. 11.
Cary, Henry H., South Pasadena, and W. P. Baxter, Pasadena, assignors to National Technical Laboratories, South Pasadena, Calif. Making glass electrodes. 2,346,470; Feb. 11.
Case, J. I., Company. (See Schill, Bernard J., assignor.)
Celanese Corporation of America. (See Thomas, Allan C., assignor.)
Chadkin, Bernard. (See Kastilan, Fritz, assignor.)
Champion Rivet Company, The. (See Malnar, Francis J., assignor.)
Chemical Enterprises, Inc. (See Hahne, Frederick E., assignor.)
Cherry-Burrell Corporation. (See Stewart, G. E., Trier, and Fielder, assignor.)
Chicago Flexible Shaft Company. (See Horrer, Otto, assignor.)
Cisski, Irving, Schiller Park, assignor to General Scientific Corporation, Chicago, Ill. Making focusing lens mounts. 2,346,291; Feb. 11.
Clapham, Harry F. (See Dahlen, M. A., and Clapham.)
Clark, John N., assignor of fifty percent to B. E. Keith Company, Dallas, Tex. Canopy and articulated frame. 2,346,554; Apr. 11.
Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,346,152; Apr. 11.
Clarke, Louis A. (See Pevere, E. F., Clarke, Hatch, and Bruner.)
Clarostat Manufacturing Co. Inc. (See Mucher, George J., assignor.)
Claus, Philip S., Redford, Mich. Tool feeding mechanism. 2,346,359; Apr. 11.
Clein, Hilliard H., and R. T. Kauffman, New York, N. Y. Footwear. 2,346,415; Apr. 11.
Cleveland Hobbing Machine Company, The. (See Staples, Otis E., assignor.)
Climax Molybdenum Company. (See Linz, Arthur, assignor.)
Cline, Edwin L., Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Treatment of resin oils. 2,346,416; Apr. 11.
Cluett, Peabody & Co. (See Schreiner, George A., assignor.)
Cobb, Philip G., Scotch Plains, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Producing magnetic structures. 2,346,555; Apr. 11.
Coe Manufacturing Company, The. (See Moore, Richard C., assignor.)
Cole, Henry G. (See Le Brocq, L. F., and Cole.)
Cole, Sanford S. (See Moran, W. G., and Cole.)
Colegrove, Joseph L., Cos Cob, Conn. Handbag frame. 2,346,556; Apr. 11.
Colovich, Sam, Eureka, Utah. Loader. 2,346,471; Apr. 11.
Commercial Solvents Corporation. See Lippincott, Samuel B., assignor.)
Commercial Solvents Corporation. (See Robinette, Hillary, Jr., assignor.)
Conaway, Rollin F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of high tenacity yarn of synthetic origin. 2,346,208; Apr. 11.
Condit, Paul C. (See Denison, G. H., Jr., and Condit.)
Conklin, James W., Audubon, N. J., assignor to Radio Corporation of America. Direct current restoring apparatus. 2,346,557; Apr. 11.
Conlon Corporation. (See Freis, Frederick M., assignor.)

Conner, Edward A. (See Southwell, R. J., and Conner.)
Consolidated Engineering Corporation. (See Zaikowsky, Wladimir M., assignor.)
Consolidated Packaging Machinery Corporation. See Gantzer, Howard E., assignor.)
Contant, Peter R. (See Rohr, H. C., and Contant.)
Continental Can Company. (See Schmitt, Otto A., assignor.)
Continental Can Company. (See Schrader, Herbert, assignor.)
Contner, J. Burgi, New York, N. Y., assignor, by mesne assignments, to Great American Industries, Inc., Meriden, Conn. Display apparatus. 2,346,472; Apr. 11.
Cook, Harold H., Steward, Ill. Corn picker. 2,346,252; Apr. 11.
Cooper Paper Box Corporation. See Kirkland, E. W., and Otto, assignors.)
Corliss, Charles H. (See Scribner, B. F., and Corliss.)
Cornwell, Ralph T. K., and C. M. Rosser, Fredericksburg, and J. A. Yourtee, Arlington, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Shrinkable article and producing same. 2,346,417; Apr. 11.
Coty, Hazel G., administratrix. (See Coty, Thomas E.)
Coty, Thomas E., deceased; H. G. Coty, administratrix, assignor, by mesne assignments, to Coty Machine Corporation, Watertown, N. Y. Valve bag. 2,346,292; Apr. 11.
Coty Machine Corporation. (See Coty, Thomas E., assignor.)
Coventry, Rose M., Boise, Idaho. Hair drier. 2,346,558; Apr. 11.
Crane, Carlton L. (See Malm, C. J., and Crane.)
Creagmile, John L., Oakland, Calif. Wheel alignment gauge. 2,346,360; Apr. 11.
Crew, Morris W., assignor to The Hotstream Heater Company, Cleveland, Ohio. Draft regulator. 2,346,559; Apr. 11.
Croco, Carlton W. (See Murphy, A. R., Rossander, Croco, and Tinker.)
Crompton & Knowles Loom Works. (See Santon, Elliot A., assignor.)
Crosthwait, David N., Jr., Chicago, Ill., and E. W. Werts, Michigan City, Ind., assignors to C. A. Dunham Company, Marshalltown, Iowa. Window thermostat. 2,346,560; Apr. 11.
Croy, Dalton C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,346,293; Apr. 11.
Cunningham, Edward N. (See Lessig, E. T., and Cunningham.)
Cupido, Nicola, Brentwood, Pa. Portable concrete cover. 2,346,361; Apr. 11.
Daab, Hansheinz. (See Wolfert, E., and Daab.)
Dahlen, Miles A., and H. F. Clapham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing of wool with nonmetallized acid colors. 2,346,473; Apr. 11.
Danforth, Joseph D., assignor to Universal Oil Products Company, Chicago, Ill. Catalysis. 2,346,294; Apr. 11.
Deere & Company. (See Silver, Walter H., assignor.)
Defiance Machine Works, Inc. (See Snyder, Willis J., assignor.)
De la Torre, Miguel, New Haven, Conn., assignor, by mesne assignments, to Battery Company, Chicago, Ill. Engraving tool. 2,346,474; Apr. 11.
Delay, Albert, Orlando, Fla. Vacuum fruit juice extractor. 2,346,561; Apr. 11.
De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Removing carbonized oil residue from magnesium articles. 2,346,562; Apr. 11.
Delta Manufacturing Company. See Tautz, Herbert E., assignor.)
De Motte, Maurice P., Indianapolis, Ind., assignor to The Linde Air Products Company. Transfer of volatile liquids. 2,346,253; Apr. 11.
Denison, George H., Jr. (See Farrington, B. B., Kostainsek, and Denison.)
Denison, George H., Jr., and P. C. Condit, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,346,153; Apr. 11.
Denison, George H., Jr., and P. C. Condit, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded hydrocarbon oil. 2,346,154; Apr. 11.
Denison, George H., Jr., and P. C. Condit, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,346,155; Apr. 11.
Desautels, Charles H., Springfield, Mass., assignor to United States Rubber Company, New York, N. Y. Machine for wrapping toroidal objects. 2,346,475; Apr. 11.
Detroit Gasket & Manufacturing Company. (See Balfe, George T., assignor.)
Detroit Lubricator Company. (See Carter, Franklyn Y., assignor.)
Deutschman, Tobe, Corporation. (See Hanopol, Louis, assignor.)
De Vore, Rodney W., West View, Pa., assignor to Pittsburgh-Des Moines Company. Elevated tank. 2,346,129; Apr. 11.
De Wald, William E., Chicago, Ill. Button and fastening unit. 2,346,209; Apr. 11.
Dodson, Edward, Puriton, near Bridgwater, England. Fluid operated means for controlling apparatus at a distance. 2,346,418; Apr. 11.
Dolman, Clarence D., Chelan County, Wash., assignor to Hercules Glue Company, Ltd. Spray composition. 2,346,362; Apr. 11.
Dominion Textile Company Limited. (See Kershaw, John G., assignor.)
Donnelly, Thomas S., Jr., assignor to Bordon Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,346,363; Apr. 11.
Doppelt, Charles, Chicago, Ill. Container. 2,346,563; Apr. 11.
Doser, Albert J. (See Hammond, E. H., and Doser.)
Douglas Aircraft Company. (See Peed, G. P., Jr., and Petersen, assignors.)
Douglas, H. A., Mfg. Co. (See Johnson, Elmer E., assignor.)
Dow Chemical Company, The. (See De Long, Herbert K., assignor.)
Dow Chemical Company, The. (See Thrune, Richard I., assignor.)
Dowe, Leo H., Waukegan, Ill. Tool handle. 2,346,364; Apr. 11.
Drescher, Ernest W., Manheim Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Protective device. 2,346,476; Apr. 11.
Drullard, Alfred B., New York, N. Y. Package structure. 2,346,564; Apr. 11.
Duffield, William A., Windsor, Ontario, assignor to Windfields, Limited, Montreal, Quebec, Canada. Automatic speed change gearing. 2,346,365; Apr. 11.
Du Mont, Allen B., Laboratories, Inc. (See Rutherford, R. E., and Campbell, assignors.)
Dunham, C. A., Company. (See Crosthwait, D. N., Jr., and Werts, assignors.)
Dunlop, Newell F., San Francisco, Calif. Mailing envelope. 2,346,419; Apr. 11.
Du Pont, E. I., de Nemours & Company. (See Alderson, Witty, L., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bailey, E. D., Brubaker, and Teeple, assignors.)
Du Pont, E. I., de Nemours & Company. (See Berliner, Julius F. T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Conaway, Rollin F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Clapham, assignors.)
Du Pont, E. I., de Nemours & Company. (See Duus, Hans C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Farquhar, Bruce S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fox, Arthur L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hooper, Gilman S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kirkpatrick, Edward C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Murphy, A. R., Rossander, Croco, and Tinker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Poesl, Christian N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Richardson, Graham McG., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)
Durdin, Augustus C., Jr. (See Durdin, Augustus C., III, assignor.)
Durdin, Augustus C., III, Skokie, Ill., assignor of twenty-four per cent to L. H. Durdin, Franklin, Pa., and fifty-two per cent to A. C. Durdin, Jr., Chicago, Ill. Mechanical aerator. 2,346,366; Apr. 11.
Durdin, Augustus C., III, Skokie, Ill., assignor of twenty-four per cent to L. H. Durdin, Franklin, Pa., and fifty-two per cent to A. C. Durdin, Jr., Chicago, Ill. Aeration apparatus. 2,346,367; Apr. 11.
Durdin, Lewis H. (See Durdin, Augustus C., III, assignor.)
Duus, Hans C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Corrosion inhibition. 2,346,295; Apr. 11.
Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Driving mechanism. 2,346,158; Apr. 11.
Eaton Manufacturing Company. (See Voorhies, Harry E., assignor.)
Eaton Manufacturing Company. (See Welsand, J., Jr., and Lee, assignors.)
Eastman Kodak Company. (See Allen, C. F. H., and Frame, assignors.)
Eastman Kodak Company. (See Malm, C. J., and Crane, assignors.)
Eby, Hugh H., Inc. (See Hurleman, Walter, assignor.)
Edelstein, Edwin. (See Palmer, R. C., and Edelstein.)
Ederer, Lothar A., Chicago, Ill. Antiskid device. 2,346,477; Apr. 11.
Edgar, Frank B., Des Moines, Iowa. Power control. 2,346,565; Apr. 11.
Edison, Thomas A., Incorporated. (See Miller, Walter H., assignor.)
Edwards, Frank W., assignor to The Telling Belle Vernon Company, Cleveland, Ohio. Display cabinet. 2,346,368; Apr. 11.
Egry Corporation, The. (See Pfeiffer, William C., assignor.)

Eisler, Joseph D., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Seismic surveying. 2,346,369; Apr. 11.
Electro-Protective Corporation. (See Laford, Herbert M., assignor.)
Elrod, Paul W. (See Stewart, R. F., and Elrod.)
Entz, Ferdinand S., Mount Kisco, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling and lockout system. 2,346,420; Apr. 11.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Pump stroke varying structure. 2,346,254; Apr. 11.
Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Preparation of calcium titanate. 2,346,296; Apr. 11.
Etnyre, E. D., & Co. (See Etnyre, George M., assignor.)
Etnyre, George M., assignor to E. D. Etnyre & Co., Oregon, Ill. Distributor for bitumen and like materials. 2,346,478; Apr. 11.
Eustis, Irving N., J. Boyce, and J. C. Olsen, assignors to Fairmont Railway Motors, Inc., Fairmont, Minn. Railway vehicle. 2,346,370; Apr. 11.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Evans, John L., Sumter, S. C. Vehicle. 2,346,130; Apr. 11.
Fairmont Railway Motors, Inc. (See Eustis, I. N., Boyce, and Olsen, assignors.)
Fakler, Joseph. (See Insler, F., and Fakler.)
Farquhar, Bruce S., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Improving organic derivatives of cellulose. 2,346,210; Apr. 11.
Farrington, Bruce B., V. M. Kostainsek, and G. H. Denison, Jr., Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded lubricant. 2,346,156; Apr. 11.
Farrington, Bruce B., V. M. Kostainsek, and G. H. Denison, Jr., Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,346,157; Apr. 11.
Fatkin, Harry W., Westville, N. J., assignor to Warren-Knight Company, Philadelphia, Pa. Leveling rod and range pole. 2,346,479; Apr. 11.
Felt & Tarrant Manufacturing Company. (See Niemann, Frederick A., assignor.)
Fergason, Rector C. (See Hyman, B. M., and Fergason.)
Fernandez, Frank D., New York, N. Y. Tongs and the like. 2,346,537; Apr. 11.
Fichter, Ludwig J. (See Schwarz, B. A., and Fichter.)
Fielder, Harold S. (See Stewart, G. E., Trier, and Fielder.)
Fink, Charles F., assignor to The Thimble & Fink Manufacturing Company, Baltimore, Md. Tube bender. 2,346,371; Apr. 11.
Fleming, Elijah A., Jackson, Miss. Nut gathering device. 2,346,211; Apr. 11.
Flowers, Paul E., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Reducing the dwell in hydraulic presses. 2,346,212; Apr. 11.
Flowers, Paul E., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Sheet metal stretching press. 2,346,213; Apr. 11.
Flowers, Paul E., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Platen control device. 2,346,214; Apr. 11.
Food Machinery Corporation. (See Griffith, Clifford J., assignor.)
Food Machinery Corporation. (See Hait, James M., assignor.)
Foottit, Frederick D., and G. J. Trapp, assignors to Automotive Products Company Limited, Leamington Spa, England. Motor pump unit. 2,346,372; Apr. 11.
Ford, Charles R., assignor, by mesne assignments, to Rex Manufacturing Company, Inc., Connersville, Ind. Refrigerator cabinet construction. 2,346,566; Apr. 11.
Ford, Frank J., Worcester, assignor of one-third to H. Whittaker, Oxford, and one-third to M. B. Striar, Worcester, Mass. Fabric. 2,346,159; Apr. 11.
Forte, Carl D., San Diego, Calif. Removable bulldozer attachment bracket. 2,346,567; Apr. 11.
Fortier, James R., Detroit, Mich. Diamond tool. 2,346,373; Apr. 11.
Foster Wheeler Corporation. (See Meyer, H. C. E., and (Rakestraw, assignor).)
Fowler, John, & Co. (Leeds) Limited. (See Sanders, Arthur F., assignor.)
Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of sulphonyl bromide derivatives. 2,346,568; Apr. 11.
Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of saturated hydrocarbon carboxylic acids with admixed sulphur dioxide and chlorine. 2,346,569; Apr. 11.
Frame, Gordon F. (See Allen, C. F. H., and Frame.)
Francis, Louis, New York, N. Y., assignor to Breinig Brothers, Inc., Hoboken, N. J. Brush or tool holder. 2,346,570; Apr. 11.
Fraser, Charles E., Kew Gardens, N. Y. Cleaner with double wash water box. 2,346,215; Apr. 11.
Fraser, Charles E., Kew Gardens, N. Y. Filter cleaner with bed settling chamber. 2,346,216; Apr. 11.
Frater, Gordon G., assignor to G. B. Lewis Company, Watertown, Wis. Surfacing wood. 2,346,131; Apr. 11.
Freer, Phelps M., Detroit, Mich. Brake. 2,346,480; Apr. 11.
Freis, Frederick M., Chicago, assignor to Conlon Corporation, Cicero, Ill. Ironing machine. 2,346,374; Apr. 11.
French, Louis O., Milwaukee, Wis. Fuel injection apparatus. 2,346,160; Apr. 11.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Container handling apparatus. 2,346,421; Apr. 11.
Garbe, Rudolph H., Forest Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Pressure actuated tool. 2,346,297; Apr. 11.
Gardinor, Elliott W. (See Lewis, W. L., and Gardinor.)
Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Determination of underground strata. 2,346,481; Apr. 11.
General Aniline & Film Corporation. (See Polhemus, J. K., and Henrikson, assignors.)
General Electric Company. (See Allen, Wayne H., assignor.)
General Electric Company. (See Boisseau, Alexander C., assignor.)
General Electric Company. (See Goss, James H., assignor.)
General Electric Company. (See Townsend, G. R., and Hall, assignors.)
General Electric Company. (See Whittenton, James M., assignor.)
General Motors Corporation. (See Boxell, Glen L., assignor.)
General Motors Corporation. (See Clark, Kendall, assignor.)
General Motors Corporation. (See Dyer, John B., assignor.)
General Motors Corporation. (See Heavener, Harvey R., assignor.)
General Motors Corporation. (See Rohr, H. C., and Contant, assignors.)
General Motors Corporation. (See Schwarz, B. A., and Fichter, assignors.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Motors Corporation. (See Wright, Manfred G., assignor.)
General Scientific Corporation. (See Cisski, Irving, assignor.)
Gerhart, Edwin T. (See Border, L. E., and Gerhart.)
Gess, Louis, Jenkintown, assignor to The Brown Instrument Company, Philadelphia, Pa. Indicating instrument. 2,346,422; Apr. 11.
Gibbons, Chester H., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Apparatus for indicating departure from normal rate of train of progressively stressed specimens. 2,346,132; Apr. 11.
Gibson Refrigerator Company. (See Rutenber, Edwin A., assignor.)
Ginsberg, Fred, Chicago, Ill. Container. 2,346,571; Apr. 11.
Gold, Benjamin, Las Vegas, Nev. Lifting tool. 2,346,482; Apr. 11.
Goldenberg, Julius L., et al. (See Rose, S. P., and Somervell, assignors.)
Goodrich, B. F., Company, The. (See Andrews, Frederick W., assignor.)
Goodrich, B. F., Company, The. (See Busse, Warren F., assignor.)
Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)
Goodrich, B. F., Company, The. (See Lessig, E. T., and Cunningham, assignors.)
Goodrich, B. F., Company, The. (See Lessig, E. T., and Larrick, assignors.)
Goodwin, William N., Jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical instrument. 2,346,572; Apr. 11.
Goodyear, Ellsworth S., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Propellant powder. 2,346,125; Apr. 11.
Goss, James H., Swampscott, Mass., assignor to General Electric Company. Chargeproof cover glass. 2,346,483; Apr. 11.
Government of the United States, as represented by the Secretary of the Department of Commerce. (See Scribner, B. F., and Corliss, assignors.)
Gradle, Roy, Santa Barbara, Calif. Trigger mechanism. 2,346,484; Apr. 11.
Grant, Jesse R., Chicago, Ill. Encasing eggs. 2,346,161; Apr. 11.
Gray, Percy, Jefferson, Iowa. Lined tank and constructing and leakage testing the same. 2,346,423; Apr. 11.
Great American Industries, Inc. (See Contner, Burgi, assignor.)
Green, Samuel G. (See Lennon, R. J., and Green.)
Griffith, Clifford J., Dimondale, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Rack mechanism. 2,346,424; Apr. 11.
Gronberg, Victor A. (See Jones, J. R., Hultberg, and Gronberg.)
Gropp, Elnar. (See Burk, R. E., and Kropp.)

Gulesian, Ephraim C., Boston, Mass. Tire chain. 2,346,298; Apr. 11.

Gulf Publishing Company. (See Wauson, H. C., and Bennett, assignors.)

Gunn, Townsend M., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic element. 2,346,573; Apr. 11.

Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 2,346,299; Apr. 11.

Guy, Ernest L., Pontiac, Mich. Device for use in sharpening screw drivers and the like. 2,346,300; Apr. 11.

Guy, Frederick M., assignor to Guy & Murton, Inc., Detroit, Mich. Resilient bushing. 2,346,574; Apr. 11.

Guy & Murton, Inc. (See Guy, Frederick M., assignor.)

Habel, Berger R. (See Houston, J. V., and Habel.)

Hahne, Frederick E., assignor to Chemical Enterprises, Inc., New York, N. Y. Device for rolling thin rubber articles. 2,346,485; Apr. 11.

Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Flexible rotary drive coupling. 2,346,426; Apr. 11.

Hall, Chester I. (See Townsend, G. R., and Hall.)

Hall China Company, The. (See Henderson, Frederick C., assignor.)

Hall China Company, The. (See Thompson, Joseph R., assignor.)

Hallowell, Howard T., Jr., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa. Transfer mechanism. 2,346,575; Apr. 11.

Hamilton, Bertis F. (See Noblitt, Q. G., Booth, and Hamilton.)

Hamilton Manufacturing Company. (See Brown, Clifford S., assignor.)

Hamilton Watch Company. (See Drescher, Ernest W., assignor.)

Hammond, Elmer H., Fairfield, and A. J. Doser, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Indicating thermostat. 2,346,427; Apr. 11.

Hanley, Newton, Los Angeles, Calif. Bowling game. 2,346,428; Apr. 11.

Hanopol, Louis, Jamaica Plain, assignor to Tobe Deutschmann Corporation, Canton, Mass. Wave filter mounting. 2,346,162; Apr. 11.

Hans, Edmund E., Detroit, Mich. Cooling of closed bodies. 2,346,576; Apr. 11.

Hansson, Arthur D., Shrewsbury, N. J. Braking device for airplanes. 2,346,255; Apr. 11.

Hanwell, Cedric H. (See Steinle, L. C., and Hanwell.)

Hare, Donald G. C., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for measuring thickness. 2,346,486; Apr. 11.

Harris, Ford W., assignor to Patco, Inc., Los Angeles, Calif. Apparatus for expanding drill pipe protectors. 2,346,301; Apr. 11.

Harris, Roy E., San Jose, Calif. Filter press and control mechanism therefor. 2,346,375; Apr. 11.

Harrison, Frank, Braintree, England. Sound reproducing and receiving device. 2,346,429; Apr. 11.

Hart-Carter Company. (See Bosma, Alfred S., assignor.)

Hartford National Bank and Trust Company, trustee. (See Van Gessel, Karel, assignor.)

Hartman, Russell C., Upper Darby, assignor to The Atlantic Refining Company, Philadelphia, Pa. Manufacture of alkaline earth metal acid sulphides. 2,346,577; Apr. 11.

Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)

Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Insecticidal composition. 2,346,256; Apr. 11.

Haskins, Allen F., Cranston, R. I. Dial indicator. 2,346,578; Apr. 11.

Hatch, George B. (See Pevere, E. F., Clarke, Hatch, and Bruner.)

Hauser, Herbert J., Hamilton, Ontario, Canada. Druggist's cabinet. 2,346,430; Apr. 11.

Hayes, Frank J., assignor of twenty per cent to S. M. Slomsky, Brooklyn, N. Y. Inner tub washer. 2,346,133; Apr. 11.

Hays, Noble E., and G. R. Hoover, Middletown, and A. E. Taylor, West Middletown, assignors to The American Rolling Mill Company, Middletown, Ohio. Method and material for coating metal surfaces. 2,346,302; Apr. 11.

Head, Ralph H., Los Angeles, Calif. Fastener. 2,346,431; Apr. 11.

Head, Wrightson & Company, Limited. (See Lake, Norman C., assignor.)

Heavener, Harvey R., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Radiator tube end. 2,346,376; Apr. 11.

Heberlein Patent Corporation. (See Waltmann, E., and Wolf, assignors.)

Hedding, Linnie K., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating apparatus. 2,346,487; Apr. 11.

Hehn, Otto, assignor to The Sparks-Withington Company, Jackson, Mich. Projection screen. 2,346,257; Apr. 11.

Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Engine starting system. 2,346,303; Apr. 11.

Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Torsional vibration damper. 2,346,432; Apr. 11.

Henderson, Eulalia C., and G. Stallard, San Francisco, Calif. Aviation landing field. 2,346,304; Apr. 11.

Henderson, Frederick C., assignor to The Hall China Company, East Liverpool, Ohio. Ceramic process. 2,346,579; Apr. 11.

Henrikson, Bror W. (See Polhemus, J. K., and Henrikson.)

Henry, Beulah L., New York, N. Y. Duplex sound producer. 2,346,580; Apr. 11.

Herbener, Henry M., Thomasville, Ga. Folder for bills, coins, or the like. 2,346,433; Apr. 11.

Herbener, Henry M., Thomasville, Ga. Bill folder or the like. 2,346,434; Apr. 11.

Hercules Powder Company. (See Anderson, Gilbert R., assignor.)

Hercules Glue Company, Ltd. (See Dolman, Clarence D., assignor.)

Hercules Powder Company. (See Goodyear, Ellsworth S., assignor.)

Hercules Powder Company. (See Stuart, J., II, Jappe, and Smith, assignors.)

Heybourne, Victor C., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Light support for document photographing cameras. 2,346,217; Apr. 11.

Hickman, Clarence N., Jackson Heights, and R. F. Mallina, Hastings on Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preset call transmitter. 2,346,305; Apr. 11.

Hiles, Pearl M., assignor to The Standard Register Company, Dayton, Ohio. Combination roll and interchangeable wheel. 2,346,163; Apr. 11.

Hinkel, Lester H. (See Borgerd, W. F., Johnsen, and Hinkel.)

Hoagland, Frank O., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Rifling cutter. 2,346,581; Apr. 11.

Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)

Hoffmaster, Byron T., Menasha, and G. E. Wauda, Neenah, assignors to Marathon Paper Mills Company, Rothschild, Wis. Dispensing package. 2,346,488; Apr. 11.

Holmstrom, John G., and W. M. Brown, assignors to Kenworth Motor Truck Corporation, Seattle, Wash. Chain-driven tandem rear axle vehicle. 2,346,164; Apr. 11.

Hooper, Gilman S., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of cellulose acetate staple. 2,346,258; Apr. 11.

Hoover, George R. (See Hayes, N. E., Hoover, and Taylor.)

Horrer, Otto, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Making comb member for dry shavers. 2,346,489; Apr. 11.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,345,165; Apr. 11.

Hotstream Heater Company, The. (See Crew, Morris W., assignor.)

Houston, John V., Chicago, and B. R. Habel, Riverside, Ill., assignors to The American Brake Shoe Company, New York, N. Y. Railway crossing. 2,346,377; Apr. 11.

Huck, Joseph. (See Pitou, E., Huck, and Meng.)

Huebner, William C., New York, N. Y. Vertical projector camera. 2,346,490; Apr. 11.

Hughes, Everett C. (See Burk, R. E., and Hughes.)

Hultberg, Levi M. (See Jones, J. R., Hultberg, and Gronberg.)

Hunter, James, Machine Company, The. (See Morrill, Frank B., assignor.)

Hurleman, Walter, assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Contact and socket for the contact. 2,346,166; Apr. 11.

Hutchings, Walter B., Huron, S. Dak., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Water temperature control. 2,346,259; Apr. 11.

Hydraulic Development Corporation, Inc., The. (See Ernst, Walter, assignor.)

Hydraulic Development Corporation, Inc., The. (See Flowers, Paul E., assignor.)

Hyman, Benjamin M., Moline, Ill., and R. C. Fergason, La Porte, Ind., assignors to International Harvester Company. Coin harvester. 2,346,306; Apr. 11.

Imperial Chemical Industries Limited. (See Knight, A. H., and Stephen.)

Insler, Frank, Bronx, and J. Fakler, Richmond Hill, N. Y. Magnetic board. 2,346,582; Apr. 11.

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Lewis, W. L., and Gardinor, assignors.)

International Business Machines Corporation. (See Mills, Albert W., assignor.)

International Business Machines Corporation. (See Mills, A. W., and Rabenda, assignors.)

International Business Machines Corporation. (See Rast, Frederick Q., assignor.)

International Harvester Company. (See Borgerd, W. F., Johnsen, and Hinkel, assignors.)

International Harvester Company. (See Hyman, B. M., and Fergason, assignors.)

International Harvester Company. (See Lyle, James E., assignor.)

International Harvester Company. (See Mitchell, Melville J., assignor.)

International Harvester Company. (See Mott, Carl W., assignor.)

International Harvester Company. (See Ratcliff, Ralph A., assignor.)

International Harvester Company. (See Rosenthal, William C., assignor.)

Isserstedt, Siegfried G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,346,307; Apr. 11.

Isserstedt, Siegfried G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combustion control device. 2,346,308; Apr. 11.

Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)

Jackson, Albert S., Wood River, Ill., assignor to Owens-Illinois Glass Company. Article sorting apparatus. 2,346,583; Apr. 11.

Jackson, Corwill, Ludington, Mich. Concrete placing machine. 2,346,378; Apr. 11.

Jackson, Corwill, Ludington, Mich. Method of and apparatus for placing pavement slabs and the like. 2,346,379; Apr. 11.

Jacob, Frederick N., assignor to Johnson Laboratories, Inc., Chicago, Ill. Coupling device. 2,346,584; Apr. 11.

Jappe, Kurt W. (See Stuart, J., II, Jappe, and Smith.)

Jennings, William H., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for charging extrusion apparatus cylinders. 2,346,309; Apr. 11.

Jensen, Soren K., Wichitan, Kans. Hot air cleaner and sterilizer for cream containers. 2,346,310; Apr. 11.

Job, Arthur, Providence, R. I., assignor to Slis Corporation. Spinning flax and similar fibers. 2,346,585; Apr. 11.

Johnsen, John. (See Borgerd, W. F., Johnsen, and Hinkel.)

Johnson, Clifford A., La Crosse, Wis. Sign. 2,346,260; Apr. 11.

Johnson, Elmer E., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,346,311; Apr. 11.

Johnson, James P., Shaker Heights, Ohio. Separator. 2,346,435; Apr. 11.

Johnson Laboratories, Inc. (See Jacob, Frederick N., assignor.)

Johnson, Olaf S., Gloucester City, N. J. Rotary pump. 2,346,218; Apr. 11.

Johnson, Ralph E., Indianapolis, Ind. Adhesive tape sales ticket. 2,346,219; Apr. 11.

Jones, James R., Lakewood, L. M. Hultberg, and V. A. Gronberg, assignors to Art Metal Construction Company, Jamestown, N. Y. Progressive suspension for drawers and the like. 2,346,167; Apr. 11.

Jones, Raymond W., Bethesda, Md. Horsepower indicator. 2,346,168; Apr. 11.

Kalkusch, Rudolph, Chicago, Ill. Wall structure. 2,346,170; Apr. 11.

Kamlet, Jonas, Brooklyn, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind. Titration reaction vessel. 2,346,261; Apr. 11.

Kastilan, Fritz, assignor to B. Chadkin, New York, N. Y. Telephoto lens. 2,346,312; Apr. 11.

Kauffman, Robert T. (See Clein, H. H., and Kauffman.)

Kaumagraph Company. (See Martin, Vernon, assignor.)

Keith, Ben E., Company. (See Clark, John N., assignor.)

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Positive valve actuation in nonoverfill devices. 2,346,313; Apr. 11.

Kempthorn, David C., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Producing hollow rubber articles. 2,346,634; Apr. 11.

Kenworth Motor Truck Corporation. (See Holmstrom, J. G., and Brown, assignors.)

Keown, George C., assignor, by direct and mesne assignments, to Master Combustor Company, Albert Lea, Minn. Grate structure. 2,346,586; Apr. 11.

Kershaw, John G., Westmount, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada. Clearer roll for spinning frames. 2,346,381; Apr. 11.

Kienzle, Lester C., Syracuse, N. Y., and H. J. Wollner, Washington, D. C., assignors to The Prosperity Company, Inc., Syracuse, N. Y. Tool for sampling baled material. 2,346,220; Apr. 11.

Kiersted, Wynkoop, Jr., Scarsdale, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Solvent separation of liquid mixtures. 2,346,491; Apr. 11.

Kilchenmann, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Two-shaft opposed-piston internal combustion engine. 2,346,587; Apr. 11.

Kimmel, Harry J., Seattle, Wash. Mechanical amusement device. 2,346,221; Apr. 11.

King, Irving G., & Company. (See Peebles, Frank B., assignor.)

King, Walter E., Houston, Tex. Swivel. 2,346,380; Apr. 11.

Kirkland, Edward W., and H. E. Otto, assignors to Cooper Paper Box Corporation, Buffalo, N. Y. Dispensing container or carton. 2,346,134; Apr. 11.

Kirkpatrick, Edward C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic compounds. 2,346,425; Apr. 11.

Kleinmann, Max, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Container. 2,346,538; Apr. 11.

Knight, Arthur H., and W. E. Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited. Manufacture of primary amino-substituted aromatic amides. 2,346,492; Apr. 11.

Knourek, James C., Pasadena, Calif. Clothesline support. 2,346,222; Apr. 11.

Kostainsek, Victor M. (See Farrington, B. B., Kostainsek, and Denison.)

Krause, Karl H., assignor to Massey-Harris Company, Ltd., Toronto, Ontario, Canada. Bracing device for grain drill hoppers. 2,346,436; Apr. 11.

Kress, George, Green Bay, Wis. Making tubular casings for shipping containers. 2,346,135; Apr. 11.

Kriegsfeld, Elias B. (See Machlin, L. G., and Kriegsfeld.)

Krogh, Anker E., Mount Airy, assignor to The Brown Instrument Company, Philadelphia, Pa. Moisture control system. 2,346,437; Apr. 11.

Kury, Philip J. (See Brewer, Charles A., assignor.)

Kyle, Arthur B., Vancouver, British Columbia, Canada. Brake apparatus. 2,346,539; Apr. 11.

Laford, Herbert M., Bloomfield, assignor to Electro-Protective Corporation, Newark, N. J. Electrical protective alarm system. 2,346,171; Apr. 11.

Lake, Milton E. (See Lyon, W. L., and Lake.)

Lake, Norman C., Stockton-on-Tees, assignor to Head, Wrightson & Company, Limited, Thornaby-on-Tees, England. Apparatus for detwisting metal sections. 2,346,438; Apr. 11.

Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Multicolor printing machine. 2,346,588; Apr. 11.

Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relay circuit. 2,346,589; Apr. 11.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening-loading mechanism. 2,346,262; Apr. 11.

La Place, Desmond R., assignor to Bocjl Corporation, Pittsburgh, Pa. Packaging. 2,346,591; Apr. 11.

La Rocque, Joseph E., and J. Van Vulpen, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Inner-tube radiation with modulating trap. 2,346,590; Apr. 11.

Larrick, Lewis. (See Lessig, E. T., and Larrick.)

Lawson, F. H., Company, The. (See Lumley, Maurice, assignor.)

Le Brocq, Laurence F., Farnham, and H. G. Cole, Farnborough, England. Manufacture of calcium chromate. 2,346,493; Apr. 11.

Lee, Lloyd L. (See Welsand, J. Jr., and Lee.)

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building apparatus. 2,346,439; Apr. 11.

Lehane, Timothy J., and E. H. Burgess, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Automatic temperature control system. 2,346,592; Apr. 11.

Lehmann, Rudolf. (See Riggs, W. S., and Lehmann.)

Leland, George H., Dayton, Ohio. Bomb rack. 2,346,494; Apr. 11.

Lembitz, Joseph J., and S. M. Martin, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Insulation cutting apparatus. 2,346,314; Apr. 11.

Lennon, Robert J., East Moline, Ill., and S. G. Green, Gray, Ga. Gun elevating mechanism. 2,346,172; Apr. 11.

Lessig, Edward T., Cuyahoga Falls, and L. Larrick, Stow, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Production of improved cellulosic cords and yarns. 2,346,126; Apr. 11.

Lessig, Edward T., Silver Lake, and E. N. Cunningham, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Improving the adhesion of rubber to fibrous materials and product thereof. 2,346,440; Apr. 11.

Levy, Barnett, Brookline, assignor to A. L. Smith Iron Co., Chelsea, Mass. Fixture for fluorescent tubes. 2,346,315; Apr. 11.

Lewis, G. B., Company. (See Frater, Gordon G., assignor.)

Lewis, William L., Binghamton, and E. W. Gardinor, Conklin, assignors to International Business Machines Corporation, New York, N. Y. Card punching machine. 2,346,263; Apr. 11.

Light, George G., Kew Gardens, assignor to The Western Union Telegraph Company, New York, N. Y. Transmission system. 2,346,173; Apr. 11.

Lindblad, Axel R., Stockholm, and J. D. Malmqvist, Boliden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden. Damping device in gravimeters. 2,346,593; Apr. 11.

Linde Air Products Company, The. (See De Motte, Maurice P., assignor.)

Lingel, Frederick J., assignor to R. L. Triplett, Bluffton, Ohio. Electrical measuring instrument. 2,346,495; Apr. 11.

Linz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Producing tungsten alloys. 2,346,382; Apr. 11.

Lippincott, Samuel B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Separating gas mixtures. 2,346,441; Apr. 11.

Lipton, Sarah. (See Brill, R. L., and Lipton.)

Locke Insulator Corporation. (See Skipper, Edward M., assignor.)

Lorance, George T., West Los Angeles, Calif., assignor to Western Electric Company, Incorporated. Film sound recording system. 2,346,496; Apr. 11.

Lovell, Lawrence L., Wood River, A. E. Martin, East Alton, and F. W. Bell, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Solutizer process. 2,346,497; Apr. 11.

Lovell, Stanley P., Newtonville, and H. H. Straw, Boston, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H. Plastic composition and making the same. 2,346,136; Apr. 11.

Lumley, Maurice, assignor to The F. H. Lawson Company, Cincinnati, Ohio. Bathroom cabinet. 2,346,316; Apr. 11.

Lyle, James E., Canton, Ill., assignor to International Harvester Company. Stalk cutter. 2,346,317; Apr. 11.

Lyon, William L., and M. E. Lake, South Norwalk, Conn. Self-closing valve for single directional fluid flow. 2,346,223; Apr. 11.

Lyon, William L., and M. E. Lake, South Norwalk, Conn. Self-closing valve for dual directional fluid flow. 2,346,224; Apr. 11.

M. J. B. Company. (See Mignacco, Eugene A., assignor.)

Machlin, Leon G., New York, N. Y., and E. B. Kriegsfeld, assignors to Metal Tone Corporation, Jersey City, N. J. Musical device. 2,346,444; Apr. 11.

Mahoney Chair Company. (See Travers, Lewis C., assignor.)

Mallina, Rudolph F. (See Hickman, C. N., and Mallina.)

Malm, Carl J., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of cellulose esters. 2,346,498; Apr. 11.

Malmqvist, Johan D. (See Lindblad, A. R., and Malmqvist.)

Malnar, Francis J., Euclid, assignor to The Champion Rivet Company, Cleveland, Ohio. Apparatus for marking coated articles. 2,346,174; Apr. 11.

Manning, Maxwell & Moore, Incorporated. (See Hammond, E. H., and Doser, assignors.)

Manning, William, New York, N. Y. Propelling means. 2,346,595; Apr. 11.

Marak, Jack, New York, N. Y. Power display device. 2,346,225; Apr. 11.

Marathon Paper Mills Company. (See Hoffmaster, B. T., and Wauda, assignors.)

Marlow, Dennis H., assignor to British Rola Limited, London, England. Protective cover for apertures for loudspeaking instruments, microphones and other articles. 2,346,226; Apr. 11.

Marshall, Allen F., Dallas, Tex. Finish and mounting for room interiors. 2,346,264; Apr. 11.

Martin, Arthur E. (See Lovell, L. L., Martin, and Bell.)

Martin, Jim R. and J. T., La Porte, Tex. Cable insulation splitter. 2,346,227; Apr. 11.

Martin, Joe T. (See Martin, Jim R. and J. T.)

Martin Motors, Inc. (See Szekely, Otto E., assignor.)

Martin, Samuel M. (See Lembitz, J. J., and Martin.)

Martin, Vernon, Wilmington, Del., assignor to Kaumagraph Company. Fan mailing card folder. 2,346,596; Apr. 11.

Marx, Guilherme S., Rio de Janeiro, Brazil. Making hollow leather articles. 2,346,318; Apr. 11.

Massey-Harris Company, Ltd. (See Krause, Karl H., assignor.)

Matson, William U., Arlington, Va. Power transmission system. 2,346,175; Apr. 11.

McAleer, William S., Pittsburgh, Pa., assignor, by mesne assignments, to The McNally-Pittsburgh Manufacturing Corporation. Segregating heat drier and method. 2,346,176; Apr. 11.

McCann, Michael, Ozone Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling and severing mechanism for sewing machines. 2,346,594; Apr. 11.

McDonald, Eugene F., Jr., Chicago, Ill. Radio control system and multiple circuit switch. 2,346,177; Apr. 11.

McCloskey, Augustus, et al. (See Pulliam, James D., assignor.)

McCollum, Henry D., Chicago, Ill. Television apparatus. 2,346,499; Apr. 11.

McDonough, Mary A., Brooklyn, N. Y. Weather stripping. 2,346,137; Apr. 11.

McFeaters, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Works. Door operating mechanism for tilting furnaces. 2,346,442; Apr. 11.

McMillan, Wallace A., Forest Hills, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Fractionating apparatus. 2,346,443; Apr. 11.

McNally-Pittsburgh Manufacturing Corporation, The. (See McAleer, William S., assignor.)

McNail, Howard P., Detroit, Mich. Collapsible tube cap. 2,346,383; Apr. 11.

Master Combustor Company. (See Keown, George C., assignor.)

Meek, Beulah F. (See Owen, B. S., and Meek.)

Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Zero printing and column split mechanism. 2,346,265; Apr. 11.

Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluid. 2,346,384; Apr. 11.

Meng, Victor W. (See Pitou, E., Huck, and Meng.)

Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear crowning. 2,346,266; Apr. 11.

Mercier, Pierre E., Westport, Conn. Cooling system for airplanes and aerostats. 2,346,178; Apr. 11.

Merker, Herman, and H. L. Newton, assignors to Pressed Steel Tank Company, Milwaukee, Wis. Container. 2,346,445; Apr. 11.

Merrill, Leon K., Rocky River, and W. R. Wheeler, Lakewood, Ohio, assignors to Carbide and Carbon Chemicals Corporation. Method and composition for purging plastic fabricating machines. 2,346,228; Apr. 11.

Mertz, Fred A. (See Walker, R. S., Mertz, and Shafter.)

Messier, Homer J., New Bedford, Mass. Ice cream can container. 2,346,446; Apr. 11.

Metal Tone Corporation. (See Machlin, L. G., and Kriegsfeld, assignors.)

Metals & Controls Corporation. (See Gunn, Townsend M., assignor.)

Meyer, Henry C. E., Maplewood, N. J., and L. M. Rakestraw, Little Neck; said Rakestraw assignor to Foster Wheeler Corporation, New York, N. Y. Power plant. 2,346,179; Apr. 11.

Mignacco, Eugene A., assignor to M. J. B. Company, San Francisco, Calif. Tearing strip can. 2,346,385; Apr. 11.

Miles Laboratories, Inc. (See Kamlet, Jonas, assignor.)

Miller, Walter H., South Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record and making. 2,346,597; Apr. 11.

Mills, Albert W., Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Perforating apparatus. 2,346,267; Apr. 11.

Mills, Albert W., Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Record controlled perforating apparatus. 2,346,268; Apr. 11.

Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,346,269; Apr. 11.

Minnesota Mining & Manufacturing Company. (See Anderson, Arthur A., assignor.)

Minneapolis-Honeywell Regulator Company. (See Baak, Albert E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Isserstedt, Siegfried G., assignor.)

Mitchell, Melville J., Highland Park, Ill., assignor to International Harvester Company. Resilient wheel mounting. 2,346,319; Apr. 11.

Monroe Auto Equipment Company. (See Read, C. E., Nickelsen, and Boor, assignors.)

Mooney, Blaise B. (See Ashley, C. M., and Mooney.)

Moore, Richard C., assignor to The Coe Manufacturing Company, Painesville, Ohio. Drying method and apparatus. 2,346,500; Apr. 11.

Moran, Walter G., Woodbridge, and S. S. Cole, Metuchen, N. J., assignors to National Lead Company, New York, N. Y. Clarification and purification of industrial liquors. 2,346,320; Apr. 11.

Morgan Construction Company. (See Morgan, Weld, assignor.)

Morgan, Weld, assignor to Morgan Construction Company, Worcester, Mass. Wire drawing block. 2,346,447; Apr. 11.

Morrill, Frank B., assignor to The James Hunter Machine Company, North Adams, Mass. Apron drier. 2,346,138; Apr. 11.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,346,321; Apr. 11.

Mucher, George J., assignor to Clarostat Manufacturing Co. Inc., Brooklyn, N. Y. Variable resistor. 2,346,598; Apr. 11.

Murphy, Arthur R., deceased, by M. R. Eastlack, formerly M. R. Murphy, administratrix, Pennsgrove, N. J., S. S. Rossander, Wilmington, Del., C. W. Croco, Woodstown, and J. M. Tinker, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye intermediates. 2,346,599; Apr. 11.

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary hook mechanism for sewing machines. 2,346,139; Apr. 11.

Nagle, Richard E., New York, and D. K. Beavon, Fleetwood, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus for subjecting fluids to contact with solid pulverulent material. 2,346,501; Apr. 11.

Nalco Inc. (See Straus, Edwin G., assignor.)

Nankervis, George L., assignor to G. L. Nankervis Co., Detroit, Mich. Anodizing rack. 2,346,386; Apr. 11.

Nankervis, George L., Co. (See Nankervis, George L., assignor.)

National Broach & Machine Company. (See Mentley, Max B., assignor.)

National Cash Register Company, The. (See Saxby, Frank R., assignor.)

National Lead Company. (See Espenschied, Helmut, assignor.)

National Lead Company. (See Moran, W. G., and Cole, assignors.)

National Lead Company. (See Nelson, Walter K., assignor.)

National Lead Company. (See Robertson, Durant W., assignor.)

National Rubber Machinery Company. (See Tornberg, Henning T., assignor.)

National Technical Laboratories. (See Cary, H. H., and Baxter, assignors.)

Navikas, Victor A., Lancaster, Pa., assignor to Armstrong Cork Company. Thermoplastic lacquer. 2,346,600; Apr. 11.

Nelson, Walter K., Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Chalk-resistant titanium dioxide pigment and preparing the same. 2,346,322; Apr. 11.

Neuman, David L., U. S. Army, Columbus, Ohio. Increasing dredge output. 2,346,180; Apr. 11.

Newberry, Meigs W., South Windsor, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,346,323; Apr. 11.

Newport Industries, Inc. (See Palmer, R. C., and Edelstein, assignors.)

Newton, Howard L. (See Merker, H., and Newton.)

Nickelsen, John M. (See Read, C. E., Nickelsen, and Boor.)

Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 2,346,601; Apr. 11.

Niles-Bement-Pond Company. (See Anderson, Gustaf W., assignor.)

Niles-Bement-Pond Company. (See Hoagland, Frank O., assignor.)

Nisbet, Alexander R., Plainview, Tex. Insect collecting machine. 2,346,270; Apr. 11.

Noblitt, Quintin G., E. C. Booth, and B. F. Hamilton, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Metal furniture. 2,346,448; Apr. 11.

Noblitt, Quintin G., E. C. Booth, and B. F. Hamilton, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Metal furniture. 2,346,449; Apr. 11.

Noblitt-Sparks Industries, Inc. (See Noblitt, Q. G., Booth, and Hamilton, assignors.)

O'Bannon, Walter A., Tulsa, Okla. Separator for well pumps. 2,346,602; Apr. 11.

O'Donnell, Thomas E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Treatment of fibrous insulating materials. 2,346,324; Apr. 11.

Oliver, George F. N., assignor to Oliver Pell Control Limited, London, England. Light buoy. 2,346,325; Apr. 11.

Oliver Pell Control Limited. (See Oliver, George F. N., assignor.)

Olsen, John C. (See Eustis, I. N., Boyce, and Olsen.)

Ormerod, George A., and A. Smith, assignors of one-third to J. H. Robinson & Company (Liverpool) Limited, Liverpool, England. Gas meter. 2,346,229; Apr. 11.

Ormond, John J., assignor of two-thirds to J. D. Ramsey, Boston, Mass. Etching printing rolls. 2,346,230; Apr. 11.

Ormond, John J., assignor of two-thirds to J. D. Ramsey, Boston, Mass. Engraving textile printing rolls. 2,346,231; Apr. 11.

O'Shei, William E., London, England. Fluid pressure motor. 2,346,502; Apr. 11.

Osterheld, Albert C., Cleveland, Ohio. Dripless spout. 2,346,540; Apr. 11.

Otto, Herman E. (See Kirkland, E. W., and Otto.)

Overend, Henry, Liverpool, England. Cap closure for containers. 2,346,181; Apr. 11.

Owen, Bessie S., and B. F. Meek, Cleveland, Ohio. Weaving machine. 2,346,541; Apr. 11.

Owen, Herbert L., assignor to R. S. Berry, Los Angeles, Calif. Shingle package. 2,346,450; Apr. 11.

Owen Silent Spring Company, The. (See Carpenter, Homer C., assignor.)

Owens-Illinois Glass Company. (See Belada, John, assignor.)

Owens-Illinois Glass Company. (See Jackson, Albert S., assignor.)

Pabst, Arthur C., Douglaston, and J. H. Prall, Lynbrook, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Corrosion inhibitor. 2,346,635; Apr. 11.

Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Auxiliary typewriter bed. 2,346,271; Apr. 11.

Palmer, Robert C., and E. Edelstein, Pensacola, Fla., assignors to Newport Industries, Inc. Resin-like product and preparing same. 2,346,994; Apr. 11.

Palmieri, Mario, Evanston, and A. J. Beck, Riverside, assignors of one-half to The Sanitary District of Chicago, Chicago, Ill. Pozzolanic materials and making same. 2,346,451; Apr. 11.

Parker, Donald R., et al. (See Pulliam, James D., assignor.)

Parsons, John B., Toledo, Ohio. Hydraulic regulator system. 2,346,387; Apr. 11.

Patco, Inc. (See Harris, Ford W., assignor.)

Patent Scaffolding Co., The. (See Pitou, E., Huck, and Meng, assignors.)

Patey, William B. (See Bills, I. E., and Patey.)

Pattison, Herbert J., Grosse Pointe Park, assignor to Briggs Manufacturing Company, Detroit, Mich. Apparatus for extracting molds. 2,346,182; Apr. 11.

Paulus, Charles L., and R. K. Stout, Dayton, Ohio. Fire extinguisher. 2,346,183; Apr. 11.

Payne, John W. (See Simpson, T. P., Payne, and Valas.)

Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Printing apparatus. 2,346,603; Apr. 11.

Pecherer, Benjamin, Detroit, Mich. Preparation of esters. 2,346,272; Apr. 11.

Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Recovering stannic chloride. 2,346,604; Apr. 11.

Pedigo, Arthur J., Cookeville, Tenn. Refrigerating apparatus. 2,346,184; Apr. 11.

Peebles, Frank B., Los Angeles, Calif., assignor to Irving G. King & Company. Gate drive. 2,346,388; Apr. 11.

Peed, Garland P., Jr., Pacific Palisades, and T. K. Petersen, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc. Wing slot arrangement. 2,346,326; Apr. 11.

Pennsylvania Engineering Works. (See McFeaters, Harry L., assignor.)

Pennsylvania Manufacturing Company. (See Hallowell, Howard T., Jr., assignor.)

Pennsylvania Salt Manufacturing Company, The. (See Riggs, W. S., and Lehmann, assignors.)

Perry, Robert M., Coeur D'Alene, Idaho. Cartridge pouch. 2,346,185; Apr. 11.

Peters, Ambrose A. and H. W., Milwaukee, Wis.; H. Peters, administratrix of said A. A. Peters, deceased. Beverage production. 2,346,389; Apr. 11.

Peters, Helene, administratrix. (See Peters, Ambrose A. and H. W.)

Peters, Herbert W. (See Peters, Ambrose A. and H. W.)

Petersen, Thorvald K. (See Peed, G. P., Jr., and Petersen.)

Peterson, Walker F., and A. U. Walter, assignor to Quiet Flow Devices, Inc., Baltimore, Md. Water-flow silencer. 2,346,542; Apr. 11.

Peterson, Walker F., and A. U. Walter, assignor to Quiet Flow Devices, Inc., Baltimore, Md. Valve and actuator assembly. 2,346,543; Apr. 11.

Pevere, Ernest F., Beacon, L. A. Clarke, Fishkill, and G. B. Hatch and F. H. Bruner, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,346,452; Apr. 11.

Pfeiffer, Conrad L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrically heated soldering iron. 2,346,327; Apr. 11.

Pfeiffer, William C., assignor to The Egry Corporation, Dayton, Ohio. Means for handling continuous manifolding paper. 2,346,390; Apr. 11.

Pflasterer, George R., Greenville, assignor to The Union Switch and Signal Company, Swissvale, Pa. Light signal. 2,346,503; Apr. 11.

Phinney, William E., Cambridge, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for tempering soles. 2,346,328; Apr. 11.

Pierce, John B., Foundation. (See Stilwell, William E., Jr., assignor.)

Pike, Robert D., Pittsburgh, Pa. Production of pure salts from trona. 2,346,140; Apr. 11.

Piret, Edgar L., St. Paul, and E. C. Ritchell, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Meat process. 2,346,232; Apr. 11.

Pitou, Eugene, New York, N. Y., J. Huck, Cresskil, N. J., and V. W. Meng, Hollis, assignors to The Patent Scaffolding Co., Inc., Long Island City, N. Y. Structural member. 2,346,391; Apr. 11.

Pittsburgh-Des Moines Company. (See De Vose, Rodney W., assignor.)

Pittsburgh Plate Glass Company. (See Pechukas, Alphonse, assignor.)

Place, Willard P., Penn Township, Allegheny, County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for communication systems. 2,346,504; Apr. 11.

Poesl, Christian N., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heat treatment of textiles. 2,346,186; Apr. 11.

Polhemus, John K., Binghamton, and B. W. Henrikson, Port Dickinson, assignors to General Aniline & Film Corporation, Binghamton, N. Y. Photographic printing device. 2,346,329; Apr. 11.

Ponchaud, George C. (See Von Lauer, H., and Ponchaud.)

Porter, Edna, Los Angeles, Calif. Catheterization compact. 2,346,636; Apr. 11.

Power Research Corporation. (See Bowers, Thomas A., assignor.)

Powers, John M. (See Russell, Phillip W., assignor.)

Prall, John H. (See Pabst, A. C., and Prall.)

Pressed Steel Tank Company. (See Merker, H., and Newton, assignors.)

Preuss, John, Memphis, Tenn. Barge. 2,346,505; Apr. 11.

Prosperity Company, The. (See Hutchings, Walter B., assignor.)

Prosperity Company, The. (See Klenzle, L. C., and Wollner, assignors.)

Prosperity Company, The. (See Yanchenko, Basil J., assignor.)
Protin, Edward J., Charleroi, and J. E. Simonin, Roscoe, Pa. Well casing and making it. 2,346,392; Apr. 11.
Proudfoot, Helen. (See Proudfoot, William D., assignor.)
Proudfoot, William D., Webster Springs, assignor of one-half to H. Proudfoot, Cowen, W. Va. Apparatus for loading and unloading. 2,346,605; Apr. 11.
Pulliam, James D., San Antonio, Tex., assignor of five per cent to D. R. Parker, five per cent to R. W. Barnes, ten per cent to A. McCloskey and A. T. Stevens (jointly), and forty per cent to N. A. Saigh. Fuel heating apparatus. 2,346,506; Apr. 11.
Putt, Harlie O., Elkhart, Ind. Reversible hydromechanical transmission. 2,346,606; Apr. 11.
Quiet Flow Devices, Inc. (See Peterson, W. F., and Walter, assignors.)
Quinn, Aloysius J., North Bergen, N. J., assignor to Brooks Equipment Corporation. Gear construction. 2,346,507; Apr. 11.
Rabenda, Edward J. (See Mills, A. W., and Rabenda.)
Radio Corporation of America. (See Conklin, James W., assignor.)
Radio Corporation of America. (See Rettinger, Michael, assignor.)
Radio Corporation of America. (See Rider, John F., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Raiman, Edward W., Johnston, R. I. Finger ring. 2,346,607; Apr. 11.
Rakestraw, Linn M. (See Meyer, H. C. E., and Rakestraw.)
Ramsey, Joseph D. (See Ormond, John J., assignor.)
Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Machine for manufacturing molded pulp articles. 2,346,608; Apr. 11.
Rast, Frederick Q., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Corrective time controlled system. 2,346,273; Apr. 11.
Ratcliff, Ralph A., Canton, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,346,330; Apr. 11.
Raven, Albert L., Mount Vernon, N. Y. Projection screen stand. 2,346,274; Apr. 11.
Raymond, Edward F., Wilmington, Calif. Gun perforation in wells. 2,346,233; Apr. 11.
Read, Charles E., Monroe, J. M. Nickelsen, Ann Arbor, Mich., and A. Boor, Toledo, Ohio, assignors to Monroe Auto Equipment Company, Monroe, Mich. Piston structure for shock absorbers. 2,346,275; Apr. 11.
Reece Button Hole Machine Company, The. (See Thornton, David B., assignor.)
Reichel, Frank H., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Producing and treating tubing. 2,346,187; Apr. 11.
Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Compact. 2,346,453; Apr. 11.
Reittinger, Paul W., Phoenix, Ariz. Coat hanger. 2,346,276; Apr. 11.
Remington Rand Inc. (See Heybourne, Victor C., assignor.)
Render, Emmett A., New Philadelphia, Ohio. Adjustable die for forming curved bricks. 2,346,393; Apr. 11.
Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Sound pickup apparatus. 2,346,394; Apr. 11.
Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Sound pickup device. 2,346,395; Apr. 11.
Rex Manufacturing Company. (See Ford, Charles R., assignor.)
Reynolds, Lester A., Los Angeles, Calif. Manicuring device. 2,346,234; Apr. 11.
Reynolds Metals Company. (See Broderick, Frank W. assignor.)
Richardson Company, The. (See Keller, Charles L., assignor.)
Richardson, Graham McG., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrochlorides of amino-azo-toluenes. 2,346,508; Apr. 11.
Rider, John F., New York, N. Y., assignor to Radio Corporation of America. Oscillator for sine waves and square waves. 2,346,396; Apr. 11.
Riggs, Walter S., Haddon Heights, N. J., and R. Lehmann, Hollywood, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Storing and shipping hydrogen peroxide. 2,346,609; Apr. 11.
Ritchell, Edward C. (See Piret, E. L., and Ritchell.)
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Combined oscillator and reactance tube. 2,346,331; Apr. 11.
Robertson, Durant W., Montclair, N. J., assignor to National Lead Company, New York, N. Y. Pigment and preparing the same. 2,346,188; Apr. 11.
Robinette, Hillary, Jr., Arlington, Mass., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Surface active agents. 2,346,454; Apr. 11.
Robinson, J. H., & Company (Liverpool), Limited. (See Ormerod, G. A., and Smith, assignors.)
Rogers, George L., Inglewood, Calif., assignor to Ione Barian Rogers, Inglewood, Calif. Cigarette-wrapping device. 2,346,397; Apr. 11.
Rogers, Ione B. (See Rogers, George L., assignor.)
Rohr, Henry C., and P. R. Contant, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Oil burner. 2,346,398; Apr. 11.
Romao, August, San Francisco, Calif. Multidirectional electric dry shaver. 2,346,235; Apr. 11.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Conveyer mechanism. 2,346,610; Apr. 11.
Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
Rose, Samuel P., Flushing, and S. B. Somervell, assignors of seventy-five one-hundredths to said Rose, ten one-hundredths to said Somervell, ten one-hundredths to E. L. Alexander, New York, and five one-hundredths to J. L. Goldenberg, Brooklyn, N. Y. Rotary blower. 2,346,236; Apr. 11.
Rosenthal, William C., Chicago, Ill., assignor to International Harvester Company. Speed regulating mechanism. 2,346,332; Apr. 11.
Rossander, Swanie S. (See Murphy, A. R., Rossander, Croco, and Tinker.)
Rosser, Charles M. (See Cornwell, R. T. K., Rosser, and Yourtee.)
Rostock, Christian L., Toledo, Ohio. Check writer. 2,346,611; Apr. 11.
Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Allyl ether of dially malate. 2,346,612; Apr. 11.
Rudolph Wurlitzer Company, The. (See Schmidt, F. M., and Smith, assignors.)
Rumsey, Herbert, Jr., Nutley, N. J. Wrapping machine. 2,346,613; Apr. 11.
Russell, Phillip W., assignor to John M. Powers, Cleveland Heights, Ohio. Lighting and extinguishing means for candles. 2,346,455; Apr. 11.
Rutenber, Edwin A., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Electric range. 2,346,237; Apr. 11.
Rutherford, Robert E., Rutherford, and R. L. Campbell Maywood, assignors to Allen B. du Mont Laboratories, Inc., Passaic, N. J. Television signal control circuit. 2,346,509; Apr. 11.
Ruthven, William, Oak Park, Ill., assignor to Allied Control Company, Inc., New York, N. Y. Self-locking nut. 2,346,456; Apr. 11.
Rydin, Carl N., assignor to American Steel Foundries, Chicago, Ill. Railway truck. 2,346,614; Apr. 11.
Sackett, Edward B., Coulterville, Calif. Dispenser for bottled beverages. 2,346,457; Apr. 11.
Saigh, N. A., et al. (See Pulliam, James D., assignor.)
Sanders, Arthur F., assignor of one-half to John Fowler & Co. (Leeds) Limited, Leeds, England. Internal combustion engine combined with a compressor. 2,346,458; Apr. 11.
Sanitary District of Chicago, The. (See Palmieri, M., and Beck, assignors.)
Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Take-up for looms. 2,346,615; Apr. 11.
Saxby, Frank R., Eastcote, England, assignor to The National Cash Register Company, Dayton, Ohio. Multiplying machine. 2,346,616; Apr. 11.
Schaffer, Fred B., Kansas City, Mo. Golf club. 2,346,617;
Schaper, Harry C., Buffalo, N. Y. Power transmission belt. 2,346,510; Apr. 11.
Schaumann, Bruno A., Milwaukee, Wis. Hydrocarbon burner. 2,346,333; Apr. 11.
Schill, Bernard J., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Grain drill. 2,346,459; Apr. 11.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,346,618; Apr. 11.
Schmidt, Francis M., North Tonawanda, and G. G. Smith, deceased, by M. Shandrew, administratrix, Kenmore, N. Y., assignors to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Remote control apparatus. 2,346,238; Apr. 11.
Schmidt, Gottfried J., Pearl River, N. Y., assignor to Bowling Patents Management Corporation. Pin setting apparatus for bowling alleys. 2,346,189; Apr. 11.
Schmitt, Otto A., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Can body feeding means; 2,346,511; Apr. 11.
Schrader, Herbert, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal container. 2,346,619; Apr. 11.
Schreiner, George A., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Cloth shrinking machine. 2,346,190; Apr. 11.
Schultz, Charles F. and I. E., Oakland, Calif. Bag making machine. 2,346,191; Apr. 11.
Schultz, Ira E. See Schultz, Charles F. and I. E.)
Schwartz, Walter L., Dayton, Ohio. Spur center head and using the same. 2,346,192; Apr. 11.
Schwartzberg, Louis, Chicago, Ill. Cellular egg carton. 2,346,400; Apr. 11.
Schwarz, Bertram A., and L. J. Fichter, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Tuner. 2,346,399; Apr. 11.

Scribner, Bourdon F., Washington, D. C., and C. H. Corliss, Medford, Mass., assignors to the Government of the United States, as represented by the Secretary of the Department of Commerce. Electrode holder for spectrographic analysis. 2,346,512; Apr. 11.
Seiberling Latex Products Company. (See Sidnell, Albert E., assignor.)
Shackleton, Sampel P., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas pressure alarm system for cables. 2,346,461; Apr. 11.
Shafter, Ruland R. (See Walker, R. S., Mertz, and Shafter.)
Shandrew, Myrtle, administratrix. (See Schmidt, F. M., and Smith.)
Shanley, William B., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 2,346,401; Apr. 11.
Shaw, John E. B., Chicago, Ill. Parenteral administration unit. 2,346,334; Apr. 11.
Shaw-Walker Company, The. (See Page, John H. assignor.)
Shell Development Company. (See Border, L. E., and Gerhart, assignors.)
Shell Development Company. (See Lovell, L. L., Martin, and Bell, assignors.)
Shell Development Company. (See Steck, Leo V., assignor.)
Sherman, John J., Seattle, Wash. Load transfer device. 2,346,277; Apr. 11.
Sidelinker, Wilson S., Wilmington, Mass. Door lock. 2,346,513; Apr. 11.
Sidnell, Albert E., Akron, assignor to Seiberling Latex Products Company, Barberton, Ohio. Mold for making perforate articles. 2,346,335; Apr. 11.
Sifferd, Robert H., Hollywood, assignor to Armour and Company, Chicago, Ill. Preparation of cholic acid. 2,346,229; Apr. 11.
Sillers, Thomas G. A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Switchgear. 2,346,460; Apr. 11.
Sils Corporation. (See Job, Arthur, assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Clutch mechanism. 2,346,514; Apr. 11.
Simmons, Frank L., Woonsocket, R. I. Permanent magnet chuck. 2,346,193; Apr. 11.
Simonin, Joseph E. (See Protin, E. J., and Simonin.)
Simpson, Thomas P., J. W. Payne, and P. D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treatment of solvent refined oils with adsorbents. 2,346,127; Apr. 11.
Singer Manufacturing Company, The. (See McCann, Michael, assignor.)
Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
Singer Manufacturing Company, The. (See Wesson, George W., assignor.)
Sjostrom, Robert L., Lawrence, Mass. Sheet tearing device. 2,346,194; Apr. 11.
Skipper, Edward M., assignor to Locke Insulator Corporation, Baltimore, Md. Forming insulator bodies. 2,346,620; Apr. 11.
Slomsky, Saul M. (See Hayes, Frank J., assignor.)
Smith, A. L., Iron Co. (See Levy, Barnett, assignor.)
Smith, Alfred. (See Ormerod, G. A., and Smith.)
Smith, Gerald G. (See Schmidt, F. M., and Smith.)
Smith, Roscoe B. (See Stuart, J., II, Jappe, and Smith.)
Snyder, Elmer L., Spencer, Iowa. Box holder for electrical outlets. 2,346,402; Apr. 11.
Snyder, Willis J., assignor to Defiance Machine Works, Inc., Defiance, Ohio. Hydraulic press control. 2,346,141; Apr. 11.
Socony-Vacuum Oil Company. (See Pabst, A. C., and Prall, assignors.)
Socony-Vacuum Oil Company. (See Simpson, T. P., Payne, and Valas, assignors.)
Sola Electric Co. (See Sola, Joseph G., assignor.)
Sola, Joseph G., Western Springs, assignor to Sola Electric Co., Chicago, Ill. Alternating current supply system. 2,346,621; Apr. 11.
Somervell, Somervell B. (See Rose, S. P. and Somervell.)
Southwell, Raymond J., Nichols, and E. A. Conner, Stratford, Conn., assignors to American Chain & Cable Company, Inc., New York, N. Y. Making cores for projectiles. 2,346,462. Apr. 11.
Spalding, John, Stratford, Conn. Lace web and making lace strips therefrom. 2,346,195; Apr. 11.
Sparks-Withington Company, The. (See Helin, Otto, assignor.)
Spreckels, J. D. & A. B., Company. (See Thompson, J. H., and Winslow, assignors.)
Stallard, George. (See Henderson, E. C., and Stallard.)
Standard Oil Company, The. (See Burk, Robert E., assignor.)
Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)
Standard Oil Company, The. (See Burk, R. E., and Kropp, assignors.)
Standard Oil Company of California. (See Denison, G. H., Jr., and Condit, assignors.)
Standard Oil Company of California. (See Farrington, B. B., Kostainsek, and Denison, assignors.)
Standard Register Company, The. (See Hiles, Pearl M., assignor.)
Stanolind Oil and Gas Company. (See Eisler, Joseph D., assignor.)
Staples, Otis E., assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio. Turning machine. 2,346,515; Apr. 11.
Starret, Howard A., U. S. Army. Bombproof shelter. 2,346,196; Apr. 11.
Steck, Leo V., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Remover for paint, varnish, and the like. 2,346,622; Apr. 11.
Steinle, Leo C., Wimbledon, London, and C. H. Hanwell, Cogenhoe, England. Stop device for threading, rolling and other machines. 2,346,516; Apr. 11.
Stelzer, William, Detroit, Mich., assignor to Stoffel Seals Company, Incorporated, New York, N. Y. Seal. 2,346,197; Apr. 11.
Stephen, William E. (See Knight, A. H., and Stephen.)
Stevens, A. T., et al. (See Pulliam, James D., assignor.)
Stewart, George E., and C. L. Trier, Baltimore, Md., and H. S. Fielder, La Grange, Ill., assignors to Cherry-Burrell Corporation, Wilmington, Del. Liquid distributor. 2,346,278; Apr. 11.
Stewart, Ohmer E. (See Stewart, R. F., and (Elrod, assignor).)
Stewart, Robert F., and P. W. Elrod, Franklin; said Elrod assignor to O. E. Stewart, Middletown, Ohio. Automatic control for electric circuits. 2,346,623; Apr. 11.
Stickney, Ruth C., Los Angeles, Calif. Holder for tooth paste tubes. 2,346,403; Apr. 11.
Stilwell, William E., Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Toggle spring actuating means. 2,346,544; Apr. 11.
Stoffel Seals Company. (See Stelzer, William, assignor.)
Stout, Raymond K. (See Paulus, C. L., and Stout.)
Straus, Edwin G., assignor to Nalco Inc., New York, N. Y. Coating composition, coated article, and making same. 2,346,624; Apr. 11.
Straw, Harry H. (See Lovell, S. P., and Straw.)
Striar, Max B., et al. (See Ford, Frank J., assignor.)
Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of insoles. 2,346,279; Apr. 11.
Stuart, Joseph, II, K. W. Jappe, and R. B. Smith, assignors to Hercules Powder Company, Wilmington, Del. Folding machine. 2,346,336; Apr. 11.
Stub, John, East Weymouth, Mass. Ship stabilizing and controlling mechanism. 2,346,337; Apr. 11.
Stuber, Walter J., assignor to Carey McFall Company, Philadelphia, Pa. Venetian blind tilt bar coupling member. 2,346,625; Apr. 11.
Sulzer Frères, Société Anonyme. (See Kilchenmann, Walter, assignor.)
Sun Rubber Company, The. (See Kempthorn, David C., assignor.)
Sway, Henry, Cincinnati, Ohio. Scaffolding and apparatus therefor. 2,346,338; Apr. 11.
Sylvania Industrial Corporation. (See Cornwell, R. T. K., Rosser, and Yourtee, assignors.)
Sylvania Industrial Corporation. (See Reichel, Frank H., assignor.)
Szekely, Otto E., Philadelphia, Pa., assignor to Martin Motors, Inc., Dover, Del. Internal combustion engine. 2,346,463; Apr. 11.
Tampier, René, London, England. Aircraft. 2,346,280; Apr. 11.
Tampier, René, Cricklewood, London, England. Stabilizing device for aircraft. 2,346,464; Apr. 11.
Tautz, Herbert E., Englewood, Colo., assignor, by mesne assignments, to Delta Manufacturing Company, Milwaukee, Wis. Drilling machine. 2,346,198; Apr. 11.
Taylor, Alva E. (See Hays, N. E., Hoover, and Taylor.)
Taylor, William E., Riverside, Conn., assignor to American Can Company, New York, N. Y. Spool holder unit. 2,346,199; Apr. 11.
Teeple, John H. (See Bailey, E. D., Brubaker, and Teeple.)
Telling Belle Vernon Company, The. (See Edwards, Frank W., assignor.)
Templin, Richard L., New Kensington, Pa. Compression platen for materials testing machines. 2,346,281; Apr. 11.
Temprite Products Corporation. (See Wyllie, John, Jr., assignor.)
Texaco Development Corporation. (See Garrison, Allen D., assignor.)
Texas Company, The. (See Hare, Donald, G. C., assignor.)
Texas Company, The. (See Kiersted, Wynkoop, Jr., assignor.)
Texas Company, The. (See Nagle, R. E., and Beavon, assignors.)
Texas Company, The. (See McMillan, Wallace A., assignor.)
Texas Company, The. (See Pevere, E. F., Clarke, Hatch, and Bruner, assignors.)
Texas Company, The. (See Warrick, H. R., and Watson, assignors.)
Thomas, Allan C., Cumberland, Md., assignor to Celanese Corporation of America. Stop motion for knitting machines and the like. 2,346,240; Apr. 11.

Thompson, John H., Burlingame, and E. T. Winslow, Saratoga, assignors to J. D. & A. B. Spreckels Company, San Francisco, Calif. Crystallizing material. 2,346,517; Apr. 11.
Thompson, Joseph R., assignor to The Hall China Company, East Liverpool, Ohio. Ceramic mold. 2,346,626; Apr. 11.
Thornton, David B., West Newton, assignor to The Reece Button Hole Machine Company, Boston, Mass. Work clamping mechanism. 2,346,241; Apr. 11.
Thrune, Richard I., assignor to The Dow Chemical Company, Midland, Mich. Extinguishing light metal fires. 2,346,627; Apr. 11.
Thwaites, Leslie B., Cubbington, near Leamington Spa, England. Power-operated loading gear for vehicles. 2,346,404; Apr. 11.
Tinker, John M. (See Murphy, A. R., Rossander, Croco, and Tinker.)
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,346,200; Apr. 11.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tizzard, Thomas W., Jr., Downers Grove, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Highway crossing signal control system. 2,346,518; Apr. 11.
Todd Company, The. (See Payne, Walter B., assignor.)
Todd, Max F., Houston, Tex. Food forming and baking machine. 2,346,628; Apr. 11.
Tornberg, Henning T., Akron, Ohio, assignor to National Rubber Machinery Company. Platen press. 2,346,519; Apr. 11.
Townsend, George R., Schenectady, and C. I. Hall, Vischer's Ferry, N. Y., assignors to General Electric Company. Electric circuit controller. 2,346,520; Apr. 11.
Tramontini, Vernon N., Davis, Calif., assignor to United States Beet Sugar Association, Washington, D. C. Beet harvester. 2,346,405; Apr. 11.
Trapp, George J. (See Foottit, F. D., and Trapp.)
Travers, Lewis C., assignor to Mahoney Chair Company, Gardner, Mass. Reclining chair. 2,346,629; Apr. 11.
Traylor Engineering and Manufacturing Company. (See Walker, R. S., Mertz, and Shafter, assignors.)
Trier, Carl L. (See Stewart, G. E., Trier, and Fielder.)
Trimble & Fink Manufacturing Company, The. (See Fink, Charles F., assignor.)
Triplett, Ray L. (See Lingel, Frederick J., assignor.)
Triplett, Ray L., Bluffton, Ohio. Electrical measuring instrument. 2,346,521; Apr. 11.
Trott, Harvey B. (See Brickman, A. E., and Trott.)
Tudor Press, Inc., The. (See Wilbur, Ralph H., assignor.)
Turner, Charles G., Atlanta, Ga. Apparatus for cutting and panning biscuits. 2,346,242; Apr. 11.
Underwood Elliott Fisher Company. (See Newberry, Meigs W., assignor.)
Union Switch & Signal Company, The. (See Hedding, Linnie K., assignor.)
Union Switch and Signal Company, The. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
Union Switch and Signal Company, The. (See Tizzard, Thomas W., Jr.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Phinney, William E., assignor.)
United Shoe Machinery Corporation. (See Stritter, Karl A., assignor.)
United States Beet Sugar Association. (See Tramontini, Vernon N., assignor.)
United States Rubber Company. (See Desautels, Charles H., assignor.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Oil Products Company. (See Barnes, Marion W., assignor.)
Universal Oil Products Company. (See Danforth, Joseph D., assignor.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Shanley, William B., assignor.)
University of Minnesota, Regents of. (See Piret, E. L., and Ritchell, assignors.)
Valas, Peter D. (See Simpson, T. P., Payne, and Valas.)
Van Gessel, Karel, New York, N. Y., assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Fluorescent lamp. 2,346,522; Apr. 11.
Van Vulpen, John. (See La Rocque, J. E., and Van Vulpen.)
Vapor Car Heating Company. (See La Rocque, J. E., and Van Vulpen, assignors.)
Vapor Car Heating Company. (See Lehane, T. J., and Burgess, assignors.)
Vautier, Léon P. G., Saint Just Des Marais, France; vested in the Alien Property Custodian. Preparing artificial sponges. 2,346,201; Apr. 11.
Veeder-Root Incorporated. (See Bliss, Harvey N., assignor.)
Victor Adding Machine Co. (See Mehan, Thomas O., assignor.)
Vincent, Russell S., assignor to Callenders Cable and Construction Company Limited, London, England. Impregnating cables. 2,346,523; Apr. 11.
Voorhies, Harry E., Grosse Ponte Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Internal combustion engine. 2,346,525; Apr. 11.
Von Lauer, Heber, Gary, Ind., and G. C. Ponchaud, Joliet, Ill. Production of thiophene-free benzene. 2,346,524; Apr. 11.
Vose, Edwin W., Orange, N. J. Vacuum cleaner. 2,346,339; Apr. 11.
Wagner, Carl J., Detroit, Mich. Corner molding for trailer bodies and the like. 2,346,630; Apr. 11.
Walter, Albert U. (See Peterson, W. F., and Walter.)
Walker, Robert S., and F. A. Mertz, Allentown, Pa., and R. R. Shafter, Freeport, N. Y., assignors to Traylor Engineering and Manufacturing Company, Allentown, Pa. Water-cooled tube cooler. 2,346,526; Apr. 11.
Waltmann, Ernst, and E. Wolf, Krefeld, Germany, assignors to Heberlein Patent Corporation, New York, N. Y. Production of isocyanic acid esters. 2,346,202; Apr. 11.
Warren, S. D., Company. (See Wilson, Alfred D., assignor.)
Warren-Knight Company. (See Fatkin, Harry W., assignor.)
Warrick, Halsted R., Teaneck, N. J., and C. W. Watson, Tuckahoe, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Isomerization. 2,346,527; Apr. 11.
Watson, Claude W. (See Warrick, H. R., and Watson.)
Watts, George W., Indianapolis, Ind. Vegetable strip cutter. 2,346,282; Apr. 11.
Wauda, George E. (See Hoffmaster, B. T., and Wauda.)
Wauson, Horace C., and W. E. Bennett, Jr., assignors of three-fourths to Gulf Publishing Company and one-fourth to said Bennett, Jr., Houston, Tex. Duplex rail assembling elevator. 2,346,340; Apr. 11.
Weiss, Ben, Chicago, Ill. Screw anchor. 2,346,283; Apr. 11.
Welsand, John, Jr., and L. L. Lee, Detroit, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Dressing device for grinding wheels. 2,346,528; Apr. 11.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation. Detroit, Mich. Motor control switch. 2,346,341; Apr. 11.
Werts, Everett W. (See Crosthwait, D. N., Jr., and Werts.)
Wesson, George W., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,346,637; Apr. 11.
Western Electric Company. (See Beaulieu, E. J., and Bennett, assignors.)
Western Electric Company. (See Croy, Dalton C., assignor.)
Western Electric Company. (See Barbe, Rudolph H., assignor.)
Western Electric Company. (See Jennings, William H., assignor.)
Western Electric Company. (See Lembitz, J. J., and Martin, assignors.)
Western Electric Company. (See Lorance, George T., assignor.)
Western Electric Company. (See O'Donnell, Thomas E., assignor.)
Western Electric Company. (See Pfeiffer, Conrad L., assignor.)
Western Union Telegraph Company, The. (See Light, George G., assignor.)
Weston Electrical Instrument Corporation. (See Cobb, Philip G., assignor.)
Weston Electrical Instrument Corporation. (See Goodwin, William N., Jr., assignor.)
Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)
Wheeler, William R. (See Merrill, L. K., and Wheeler.)
Whittaker, Harry, et al. (See Ford, Frank J., assignor.)
Whittenton, James M., Swampscott, Mass., assignor to General Electric Company. Photometer. 2,346,529; Apr. 11.
Wilbur, Ralph H., Melrose, assignor to The Tudor Press, Inc., Boston, Mass. Perpetual calendar and memorandum. 2,346,342; Apr. 11.
Wilcox, Albert C., Chicago, Ill. Vibrator. 2,346,465; Apr. 11.
Wille, Emilie A., Mount Prospect, Ill. Container cover. 2,346,631; Apr. 11.
Wilson, Alfred D., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Treating pigment, and product. 2,346,243; Apr. 11.
Windfields, Limited. (See Duffield, William A., assignor.)
Winslow, Edward T. (See Thompson, J. H., and Winslow.)
Winthrop Chemical Company. (See Wolfert, E., and Daab, assignors.)
Wolf, Edgar. (See Waltmann, E., and Wolf.)

Wolfert, Eugen, Leverkusen-Wiesdorf, and H. Daab, Cologne, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Organic disinfecting agent in a special form. 2,346,632; Apr. 11.
Wollner, Herbert J. (See Kienzle, L. C., and Wollner.)
Wright, Manfred G., Kokomo, Ind., assignor to General Motor Corporation, Detroit, Mich. Gauge. 2,346,406; Apr. 11.
Wright, Paul, Birmingham, Ala. Arch and wall. 2,346,638; Apr. 11.
Wright, Thomas E., Chicago, Ill. Commodity package for cigarettes and the like. 2,346,407; Apr. 11.
Wyllie, John, Jr., assignor to Temprite Products Corporation, Detroit, Mich. Photographic developing apparatus. 2,346,530; Apr. 11.
Yanchenko, Basil J., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Textile press timer. 2,346,244; Apr. 11.
Yourtee, John A. (See Cornwell, R. T. K., Rosser, and Yourtee.)
Zaikowsky, Wladimir M., assignor, by mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif. Well logging method. 2,346,203; Apr. 11.
Zichlin, Samuel, Brooklyn, N. Y. Therapeutic device. 2,346,245; Apr. 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Insulator. C. J. Lemont. Re. 22,469; Apr. 11.

LIST OF PLANT INVENTIONS

Peach tree. E. W. Freeland. 623; Apr. 11.

LIST OF DESIGN INVENTIONS

Airplane. O. F. Maycen. 137,667; Apr. 11.
Airplane. E. V. Willis. 137,673; Apr. 11.
Airplane, Folding wing. W. F. Sheffield. 137,661; Apr. 11.
Applicator unit, Hair dye. F. H. Nelson and F. D. Potts. 137,637; Apr. 11.
Bar and guard partition therefor, Combined serving. J. Stark. 137,662; Apr. 11.
Bell. F. Brown. 137,664; Apr. 11.
Board, Game. W. V. Wendland. 137,652; Apr. 11.
Bracket for bicycles, Truss. F. W. Schwinn. 137,669; Apr. 11.
Brooch or the like. E. Steiner. 137,647–9; Apr. 11.
Brooch or the like. E. Steiner. 137,670; Apr. 11.
Brush, Dental plate. J. F. Brown. 137,641; Apr. 11.
Case, Compact. N. T. Baldanza. 137,640; Apr. 11.
Compound tool. J. J. Addin. 137,631; Apr. 11.
Dehydrator for fruits, vegetables, or the like. F. L. Monroe. 137,659; Apr. 11.
Door and push-grill, Combined. D. E. Walker. 137,663; Apr. 11.
Electrolytic water purifier. T. C. Jones. 137,634; Apr. 11.
Embroidered trimming or similar article. H. Tobler. 137,650–1; Apr. 11.
Engine starter. R. M. Heintz. 137,665; Apr. 11.
Exercising apparatus. O. Stamm. 137,646; Apr. 11.
Folder, Photograph. E. E. Koch. 137,656; Apr. 11.
Font of type. J. A. Herbst. 137,655; Apr. 11.
Hairbrush. F. H. Lotters. 137,635; Apr. 11.
Handbag. I. Jolles. 137,666; Apr. 11.
Holder, Toothbrush. E. A. Stein. 137,639; Apr. 11.
Housing for a combined motor and pump. D. C. Asbury. 137,632; Apr. 11.
Jar or similar article, Cookie. W. Oehrle. 137,636; Apr. 11.
Mattress cover and blanket retainer or similar article, Combination. E. H. Spiro, Jr. 137,638; Apr. 11.
Muff. T. L. Vine. 137,671; Apr. 11.
Necktie. D. Leneman. 137,658; Apr. 11.
Pen, Fountain. V. H. Severy. 137,660; Apr. 11.
Pin or similar article, Brooch. W. W. Hobé. 137,644; Apr. 11.
Pin or similar article. A. G. Leary. 137,645; Apr. 11.
Play suit ensemble. E. Wilkens. 137,672; Apr. 11.
Scissors whetting wheel. A. M. Jacobson. 137,633; Apr. 11.
Stand, Smoking. J. Goldberg. 137,654; Apr. 11.
Stroller, Baby's. L. Peltier. 137,668; Apr. 11.
Toy doll. F. R. Haedge. 137,657; Apr. 11.
Toy tractor. J. P. Donahue. 137,653; Apr. 11.
Trimming, Embroidered. J. Goldfrank. 137,642–3; Apr. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. J. W. Bryce. 2,346,250; Apr. 11.
Adhesive tape dispenser, Automatic pressure-sensitive. A. A. Anderson. 2,346,142; Apr. 11.
Adhesion of rubber to fibrous materials and product thereof, Improving the. E. T. Lessig and E. N. Cunningham. 2,346,440; Apr. 11.
Adjustable die for forming curved bricks. E. A. Render. 2,346,393; Apr. 11.
Aeration apparatus. A. C. Durdin, III. 2,346,367; Apr. 11.
Aerator, Mechanical. A. C. Durdin, III. 2,346,366; Apr. 11.
Aircraft. R. Tampier. 2,346,280; Apr. 11.
Alkylation of hydrocarbons. E. F. Pevere, L. A. Clark, G. B. Hatch, and F. H. Bruner. 2,346,452; Apr. 11.
Allyl ethers of diallyl malate. H. S. Rothrock. 2,346,612; Apr. 11.
Alpha-primary amino carboxylic acids. W. L. Alderson, Jr. 2,346,547; Apr. 11.
Alternating current supply system. J. G. Sola. 2,346,621; Apr. 11.
Amino-substituted aromatic amides, Manufacture of primary. A. H. Knight and W. E. Stephen. 2,346,492; Apr. 11.
Anodizing rack. G. L. Nankervis. 2,346,386; Apr. 11.
Antiskid device. L. A. Ederer. 2,346,477; Apr. 11.
Apparatus for charging extrusion apparatus cylinders. W. H. Jennings. 2,346,309; Apr. 11.
Apparatus for communication systems. W. P. Place. 2,346,504; Apr. 11.
Apparatus for cutting and panning biscuits. C. G. Turner. 2,346,242; Apr. 11.
Apparatus for expanding drill pipe protectors. F. W. Harris. 2,346,301; Apr. 11.
Apparatus for extracting molds. H. J. Pattison. 2,346,182; Apr. 11.
Apparatus for indicating departure from normal rate of strain of progressively stressed specimens. C. H. Gibbons. 2,346,132; Apr. 11.
Apparatus for landing airplanes. D. H. Bottrill. 2,346,633; Apr. 11.
Apparatus for loading and unloading. W. D. Proudfoot. 2,346,605; Apr. 11.
Apparatus for marking coated articles. F. J. Malnar. 2,346,174; Apr. 11.
Apparatus for subjecting fluids to contact with solid pulverulent material. R. E. Nagle and D. K. Beavou. 2,346,501; Apr. 11.
Apparatus for tempering soles. W. E. Phinney. 2,346,328; Apr. 11.
Applying beads to the margins of strips. G. T. Balfe. 2,346,347; Apr. 11.
Apron drier. F. B. Morrill. 2,346,138; Apr. 11.
Arch and wall. P. Wright. 2,346,638; Apr. 11.
Article sorting apparatus. A. S. Jackson. 2,346,583; Apr. 11.
Automatic control for electric circuits. R. F. Stewart and P. W. Elrod. 2,346,623; Apr. 11.
Automatic temperature control system. T. J. Lehane and E. H. Burgess. 2,346,592; Apr. 11.
Aviation landing field. E. C. Henderson and G. Stallard. 2,346,304; Apr. 11.
Azo dye intermediates. A. R. Murphy. 2,346,599; Apr. 11.
Azole disazo dye compounds and their manufacture. C. F. H. Allen and G. F. Frame. 2,346,531; Apr. 11.
Bag: *See*—
Valve bag.
Bag making machine. C. F. and I. E. Schultz. 2,346,191; 2,346,191; Apr. 11.
Barge. J. Preuss. 2,346,505; Apr. 11.
Bathroom cabinet. M. Lumley. 2,346,316; Apr. 11.
Batteryless telephone system. G. E. Atkins. 2,346,548; Apr. 11.
Bed. R. B. Bukolt. 2,346,289; Apr. 11.
Belt: *See*—
Power transmission belt.
Beverage production. A. A. and H. W. Peters. 2,346,389; Apr. 11.
Block: *See*—
Wire drawing block.
Blower, Rotary. S. P. Rose and S. B. Somervell. 2,346,236; Apr. 11.
Board: *See*—
Magnetic board.
Bomb rack. G. H. Leland. 2,346,494; Apr. 11.
Bottled beverages, Dispenser for. E. B. Sackett. 2,346,457; Apr. 11.
Bowling game. N. Hanley. 2,346,428; Apr. 11.
Box holder for electrical outlets. E. L. Snyder. 2,346,402; Apr. 11.
Bracing device for grain drill hoppers. K. H. Krause. 2,346,436; Apr. 11.
Brake. P. M. Freer. 2,346,480; Apr. 11.
Brake apparatus. A. B. Kyle. 2,346,539; Apr. 11.
Braking device for airplanes. A. D. Hansson. 2,346,255; Apr. 11.
Brassière. A. S. and V. I. Becker. 2,346,411; Apr. 11.
Brush or tool holder. L. Francis. 2,346,570; Apr. 11.
Burner: *See*—
Hydrocarbon burner. Oil burner.
Bushing, Resilient. F. M. Guy. 2,346,574; Apr. 11.
Button and fastening unit. W. E. De Wald. 2,346,209; Apr. 11.
Cabinet: *See*—
Bathroom cabinet. Druggist's cabinet.
Display cabinet.
Cables, Impregnating. R. S. Vincent. 2,346,523; Apr. 11.
Cable insulation splitter. J. R. and J. T. Martin. 2,346,227; Apr. 11.
Calcium chromate, Manufacture of. L. F. Le Brocq and H. G. Cole. 2,346,493; Apr. 11.
Calcium titanate, Preparation of. H. Espenschied. 2,346,296; Apr. 11.
Calculating machine. F. A. Niemann. 2,346,601; Apr. 11.
Calendar and memorandum, Perpetual. R. H. Wilbur. 2,346,342; Apr. 11.
Cam operated machine. G. L. Boxell. 2,346,352; Apr. 11.
Can: *See*—
Tearing strip can.
Can body feeding means. O. A. Schmitt. 2,346,511; Apr. 11.
Candles, Lighting and extinguishing means for. P. W. Russell. 2,346,455; Apr. 11.
Canopy and articulated frame. J. N. Clark. 2,346,554; Apr. 11.
Cap: *See*—
Collapsible tube cap.
Cap closure for containers. H. Overend. 2,346,181; Apr. 11.
Card punching machine. W. L. Lewis and E. W. Gardinor. 2,346,263; Apr. 11.
Carton, Divided. F. W. Broderick. 2,346,206; Apr. 11.
Catalysis, Method of. J. D. Danforth. 2,346,294; Apr. 11.
Catheterization compact. E. Porter. 2,346,636; Apr. 11.
Cellulose acetate, Highly substituted acetone-soluble. E. and W. G. Berl. 2,346,350; Apr. 11.
Cellulose acetate staple, Production of. G. S. Hooper. 2,346,258; Apr. 11.
Cellulosic cords and yarns, Production of improved. E. T. Lessig and L. Larrick. 2,346,226; Apr. 11.
Ceramic molds. J. R. Thompson. 2,346,626; Apr. 11.
Ceramic process. F. C. Henderson. 2,346,579; Apr. 11.
Chain: *See*—
Tire chain.
Chain tread vehicle. J. A. Bombardier. 2,346,351; Apr. 11.
Chair: *See*—
Reclining chair.
Chargeproof cover glass. J. H. Goss. 2,346,483; Apr. 11.
Check writer. C. L. Rostock. 2,346,611; Apr. 11.
Cholic acid, Preparation of. R. H. Sifferd. 2,346,239; Apr. 11.
Cigarette-wrapping device. G. L. Rogers. 2,346,397; Apr. 11.
Circuit: *See*—
Electric discharge device circuit. Television signal control circuit.
Relay circuit.
Cleaner and sterilizer for cream containers, Hot air. S. K. Jensen. 2,346,310; Apr. 11.
Cleaner with double wash water box. C. E. Fraser. 2,346,215; Apr. 11.
Clearer roll for spinning frames. J. G. Kershaw. 2,346,381; Apr. 11.
Cleaner: *See*—
Vacuum cleaner.
Cloth shrinking machine. G. A. Schreiner. 2,346,190; Apr. 11.
Clothesline support. J. C. Knourek. 2,346,222; Apr. 11.
Clutch control mechanism. C. A. Brewer. 2,346,535; Apr. 11.
Clutch mechanism. W. H. Silver. 2,346,514; Apr. 11.

Coal, Treating. R. E. Burk and E. Kropp. 2,346,151; Apr. 11.
Coat hanger. P. W. Reittinger. 2,346,276; Apr. 11.
Coating composition. G. R. Anderson. 2,346,409; Apr. 11.
Coating composition, coated article, and making same. E. G. Straus. 2,346,624; Apr. 11.
Coating metal surfaces, Method and material for. N. E. Hays, G. R. Hoover and A. E. Taylor. 2,346,302; Apr. 11.
Coating suspension and preparation. J. R. C. Brown, Jr. 2,346,553; Apr. 11.
Collapsible tube cap. H. P. McNail. 2,346,383; Apr. 11.
Comb member for dry shavers, Making. O. Horrer. 2,346,489; Apr. 11.
Combustion control device. S. G. Isserstedt. 2,346,308; Apr. 11.
Compact. A. F. Reilly. 2,346,453; Apr. 11.
Compound denominate number calculating machine. J. W. Bryce. 2,346,249; Apr. 11.
Concrete placing machine. C. Jackson. 2,346,378; Apr. 11.
Contact and socket for the contact. W. Hurleman. 2,346,166; Apr. 11.
Container: *See*—
Ice cream container. Shipping container.
Sheet metal container.
Container. C. Doppelt. 2,346,563; Apr. 11.
Container. F. Ginsberg. 2,346,571; Apr. 11.
Container. J. M. Hothersall. 2,346,165; Apr. 11.
Container. M. Kleinmann. 2,346,538; Apr. 11.
Container. H. Merker and H. L. Newton. 2,346,445; Apr. 11.
Container cover. E. A. Wille. 2,346,631; Apr. 11.
Container handling apparatus. H. E. Gantzer. 2,346,421; Apr. 11.
Control apparatus. S. G. Isserstedt. 2,346,307; Apr. 11.
Control system for motor vehicles. C. A. Brewer. 2,346,353–5; Apr. 11.
Control system for motor vehicles. C. A. Brewer. 2,346,533–4; Apr. 11.
Control system, Moisture. A. E. Krogh. 2,346,437; Apr. 11.
Conveyer mechanism. A. G. Rose. 2,346,610; Apr. 11.
Conveyer system. E. J. Beaulieu and L. E. Bennett. 2,346,285; Apr. 11.
Cooling of closed bodies. E. E. Hans. 2,346,576; Apr. 11.
Cooling system for airplanes and aerostats. P. E. Mercier. 2,346,178; Apr. 11.
Cores for projectiles. R. J. Southwell and E. A. Conner. 2,346,462; Apr. 11.
Corn harvester. B. M. Hyman and R. C. Fergason. 2,346,306; Apr. 11.
Corner moulding for trailer bodies and the like. C. J. Wagner. 2,346,630; Apr. 11.
Corrective time controlled system. F. Q. Rast. 2,346,273; Apr. 11.
Corrosion inhibiter. A. C. Pabst and J. H. Prall. 2,346,635; Apr. 11.
Corrosion inhibitions. H. C. Duus. 2,346,295; Apr. 11.
Coupling: *See*—
Flexible rotary drive coupling.
Coupling device. F. N. Jacob. 2,346,584; Apr. 11.
Cover: *See*—
Container cover.
Portable concrete cover.
Cover for shearing machines, Safety. V. A. Cabeza. 2,346,536; Apr. 11.
Crate. H. V. Bowman. 2,346,205; Apr. 11.
Crystallizing material. J. H. Thompson and E. T. Winslow. 2,346,517; Apr. 11.
Cutter: *See*—
Milling cutter. Stalk cutter.
Rifling cutter. Vegetable strip cutter.
Damper, Torsional vibration. R. M. Heintz. 2,346,432; Apr. 11.
Damping device in gravimeters. A. R. Lindblad and J. D. Malmqvist. 2,346,593; Apr. 11.
Deep hole drill. G. W. Anderson. 2,346,546; Apr. 11.
Device for rolling thin rubber articles. F. E. Hahne. 2,346,485; Apr. 11.
Device for use in sharpening screw drivers and the like. E. L. Guy. 2,346,300; Apr. 11.
Dial indicator. A. F. Haskins. 2,346,578; Apr. 11.
Diamond tool. J. R. Fortier. 2,346,373; Apr. 11.
Direct current restoring apparatus. J. W. Conklin. 2,346,557; Apr. 11.
Dispenser: *See*—
Adhesive tape dispenser.
Dispensing container or carton. E. W. Kirkland and H. E. Otto. 2,346,134; Apr. 11.
Dispensing package. B. T. Hoffmaster and G. E. Wauda. 2,346,488; Apr. 11.
Display apparatus. J. B. Contner. 2,346,472; Apr. 11.
Display cabinet. F. W. Edwards. 2,346,368; Apr. 11.
Distributor for bitumen and like materials. G. M. Etnyre. 2,346,478; Apr. 11.
Distributor, Liquid. G. E. Stewart, C. L. Trier and H. S. Fielder. 2,346,278; Apr. 11.
Domestic appliance. K. Clark. 2,346,152; Apr. 11.
Door lock. W. R. Schlage. 2,346,618; Apr. 11.
Door lock. W. S. Sidelinker. 2,346,513; Apr. 11.
Door operating mechanism for tilting furnaces. H. L. McFeaters. 2,346,442; Apr. 11.
Draft regulator. M. W. Crew. 2,346,559; Apr. 11.
Drawers and the like, Progressive suspension for. J. R. Jones, L. M. Hultberg and V. A. Gronberg. 2,346,167; Apr. 11.
Dredge output, Increasing. D. L. Neuman. 2,346,180; Apr. 11.
Dressing device for grinding wheels. J. Welsand, Jr., and L. L. Lee. 2,346,528; Apr. 11.
Drier: *See*—
Apron drier. Hair drier.
Drill: *See*—
Deep hole drill. Grain drill.
Drilling machine. H. E. Tautz. 2,346,198; Apr. 11.
Dripless spout. A. C. Osterheld. 2,346,540; Apr. 11.
Driving mechanism. J. B. Dyer. 2,346,158; Apr. 11.
Druggist's cabinet. H. J. Rauser. 2,346,430; Apr. 11.
Drying method and apparatus. R. C. Moore. 2,346,500; Apr. 11.
Duplex sound reproducer. B. L. Henry. 2,346,580; Apr. 11.
Egg carton, Cellular. L. Schwartzberg. 2,346,400; Apr. 11.
Eggs, Encasing. J. R. Grant. 2,346,161; Apr. 11.
Electric circuit controller. G. R. Townsend and C. I. Hall. 2,346,520; Apr. 11.
Electric dry shaver, Multidirectional. A. Romao. 2,346,235; Apr. 11.
Electric range. E. A. Rutenber. 2,346,237; Apr. 11.
Electric switch. E. E. Johnson. 2,346,311; Apr. 11.
Electrical instrument. W. N. Goodwin, Jr. 2,346,572; Apr. 11.
Electrical measuring instrument. F. J. Lingel. 2,346,495; Apr. 11.
Electrical measuring instrument. R. L. Triplett. 2,346,521; Apr. 11.
Electrical protective alarm system. H. M. Laford. 2,346,171; Apr. 11.
Electrically heated soldering iron. C. L. Pfeiffer. 2,346,327; Apr. 11.
Electrode holder. T. S. Donnelly, Jr. 2,346,363; Apr. 11.
Electrode holder for spectrographic analysis. B. F. Scribner and C. H. Corliss. 2,346,512; Apr. 11.
Electron discharge device circuit. F. B. Anderson. 2,346,545; Apr. 11.
Electroplating method. J. D. Baster. 2,346,349; Apr. 11.
Elevated tank. R. W. de Vore. 2,346,129; Apr. 11.
Elevator, Duplex rail assembling. H. C. Wauson and W. E. Bennett, Jr. 2,346,340; Apr. 11.
Engine: *See*—
Internal combustion engine. Two-cycle internal combustion engine.
Engine starting system. R. M. Heintz. 2,346,303; Apr. 11.
Engraving tool. M. de la Torre. 2,346,474; Apr. 11.
Equalizing the tension in a plurality of strands, Method and apparatus for. W. F. Busse. 2,346,358; Apr. 11.
Esters, Preparation of. B. Pecherer. 2,346,272; Apr. 11.
Etching printing rolls. J. J. Ormond. 2,346,230; Apr. 11.
Extinguishing light metal fires. R. I. Thrune. 2,346,627; Apr. 11.
Extractor: *See*—
Vacuum fruit juice extractor.
Fabric. F. J. Ford. 2,346,159; Apr. 11.
Fan mail card folder. V. Martin. 2,346,596; Apr. 11.
Fastener. R. H. Head. 2,346,431; Apr. 11.
Fastening device. G. A. Tinnerman. 2,346,200; Apr. 11.
Fastening-loading mechanism. J. T. Lancaster. 2,346,262; Apr. 11.
Fibrous insulating materials, Treatment of. T. E. O'Donnell. 2,346,324; Apr. 11.
Film sound recording system. G. T. Lorance. 2,346,496; Apr. 11.
Filter cleaner with bed settling chamber. C. E. Fraser. 2,346,216; Apr. 11.
Filter press and control mechanism therefor. R. E. Harris. 2,346,375; Apr. 11.
Finger ring. E. W. Raiman. 2,346,607; Apr. 11.
Finish and mounting for room interiors. A. F. Marshall. 2,346,264; Apr. 11.
Fire extinguisher. C. L. Paulus and R. K. Stout. 2,346,183; Apr. 11.
Fixture for fluorescent tubes. B. Levy. 2,346,315; Apr. 11.
Flax and similar fibers, Spinning. A. Job. 2,346,585; Apr. 11.
Flexible rotary drive coupling. J. M. Hait. 2,346,426; Apr. 11.
Fluid operated means for controlling apparatus at a distance. E. Dodson. 2,346,418; Apr. 11.
Fluid pressure motor. W. E. O'Shei. 2,346,502; Apr. 11.
Fluorescent lamp. K. Van Gessel. 2,346,522; Apr. 11.
Fluorescent tube, Fixture for. B. Levy. 2,346,315; Apr. 11.
Folder for bills, coins, or the like. H. M. Herbener. 2,346,433; Apr. 11.
Folder or the like, Bill. H. M. Herbener. 2,346,434; Apr. 11.

Folding machine. J. Stuart, II, K. W. Jappe, and R. B. Smith. 2,346,336; Apr. 11.
Food forming and baking machine. M. F. Todd. 2,346,628; Apr. 11.
Footwear. H. H. Clein and R. T. Kauffman. 2,346,415; Apr. 11.
Fractionating apparatus. W. A. McMillan. 2,346,443; Apr. 11.
Frame: *See*—
Canopy and articulated frame.
Frame, Handbag. J. L. Colegrove. 2,346,556; Apr. 11.
Front wheel drive mechanism. F. H. Asam. 2,346,143; Apr. 11.
Fuel burner control apparatus. A. E. Baak. 2,346,284; Apr. 11.
Fuel heating apparatus. J. D. Pulliam. 2,346,506; Apr. 11.
Fuel injection apparatus. L. O. French. 2,346,160; Apr. 11.
Furniture, Metal. Q. G. Noblitt, E. C. Booth, and B. F. Hamilton. 2,346,448–9; Apr. 11.
Gas meter. G. A. Ormerod and A. Smith. 2,346,229; Apr. 11.
Gas mixtures, Separating. S. B. Lippincott. 2,346,441; Apr. 11.
Gas pressure alarm system for cables. S. P. Shackleton. 2,346,461; Apr. 11.
Gate drive. F. B. Peebles. 2,346,388; Apr. 11.
Gauge: *See*—
Wheel alignment gauge.
Gauge. M. G. Wright. 2,346,406; Apr. 11.
Gear construction. A. J. Quinn. 2,346,507; Apr. 11.
Gear crowning. M. B. Mentley. 2,346,266; Apr. 11.
Gearing, Automatic speed change. W. A. Duffield. 2,346,365; Apr. 11.
Glass electrodes, Making. H. H. Cary and W. P. Baxter. 2,346,470; Apr. 11.
Golf club. F. B. Schaffer. 2,346,617; Apr. 11.
Grain drill. B. J. Schill. 2,346,459; Apr. 11.
Grate structure. G. C. Keown. 2,346,586; Apr. 11.
Gun elevating mechanism. R. J. Lennon and S. G. Green. 2,346,172; Apr. 11.
Gun perforation in wells. E. F. Raymond. 2,346,233; Apr. 11.
Hair drier. R. M. Coventry. 2,346,558; Apr. 11.
Handle: *See*—
Tool handle.
Hanger: *See*—
Coat hanger.
Harvester, Beet. V. N. Tramontini. 2,346,405; Apr. 11.
Hat adjusting means. R. L. Brill and S. Lipton. 2,346,288; Apr. 11.
Heat drier and method, Segregating. W. S. McAleer. 2,346,176; Apr. 11.
Heat treatment of textiles. C. N. Poesl. 2,346,186; Apr. 11.
Heater: *See*—
Unit heater.
Heater for fluids. C. H. Angell. 2,346,345; Apr. 11.
Heater for fluids. M. W. Barnes. 2,346,348; Apr. 11.
Heating of fluid. L. A. Mekler. 2,346,384; Apr. 11.
Highway crossing signal control system. T. W. Tizzard, Jr. 2,346,518; Apr. 11.
Holder: *See*—
Electrode holder.
Holder for tooth paste tubes. R. C. Stickney. 2,346,403; Apr. 11.
Holding end loops in cables. O. J. Bratz. 2,346,412; Apr. 11.
Horsepower indicator. R. W. Jones. 2,346,168; Apr. 11.
Hydraulic presses, Reducing the dwell in. P. E. Flowers. 2,346,212; Apr. 11.
Hydraulic regulator system. J. B. Parsons. 2,346,387; Apr. 11.
Hydrocarbon burner. B. A. Schaumann. 2,346,333; Apr. 11.
Hydrocarbon oil, Compounded. G. H. Denison, Jr., and P. C. Condit. 2,346,154; Apr. 11.
Hydrocarbons, Treating. W. B. Shanley. 2,346,401; Apr. 11.
Hydrochloride of amino-azo-toluenes. G. McG. Richardson. 2,346,508; Apr. 11.
Hydrogen peroxide, Storing and shipping. W. S. Riggs and R. Lehmann. 2,346,609; Apr. 11.
Hydromechanical transmission, Reversible. H. O. Putt. 2,346,606; Apr. 11.
Ice cream can container. H. J. Messier. 2,346,446; Apr. 11.
Indicating instrument. L. Gess. 2,346,422; Apr. 11.
Indicating thermostat. E. H. Hammond and A. J. Doser. 2,346,427; Apr. 11.
Indicator: *See*—
Dial indicator. Horsepower indicator.
Industrial liquors, Clarification and purification of. W. G. Moran and S. S. Cole. 2,346,320; Apr. 11.
Inner-tube radiation with modulating trap. J. E. La Rocque and J. Van Vulpen. 2,346,590; Apr. 11.
Insect collecting machine. A. R. Nisbet. 2,346,270; Apr. 11.
Insecticidal composition. M. T. Harvey. 2,346,256; Apr. 11.
Inserts for valve stems, Manufacturing. L. C. Broecker. 2,346,413; Apr. 11.
Insoles, Manufacture of. K. A. Stritter. 2,346,279; Apr. 11.
Insulation cutting apparatus. J. J. Lembitz and S. M. Martin. 2,346,314; Apr. 11.
Insulator bodies, Forming. E. M. Skipper. 2,346,620; Apr. 11.
Internal combustion engine. O. E. Szekely. 2,346,463; Apr. 11.
Internal combustion engine. H. E. Voorhies. 2,346,525; Apr. 11.
Internal combustion engine combined with a compressor. A. F. Sanders. 2,346,458; Apr. 11.
Internal combustion engine, Two-shaft opposed-piston. W. Kilchenmann. 2,346,587; Apr. 11.
Iron: *See*—
Electrically heated soldering iron.
Ironing machine. F. M. Freis. 2,346,374; Apr. 11.
Isocyanic acid esters, Production of. E. Waltmann and E. Wolf. 2,346,202; Apr. 11.
Isomerization. H. R. Warrick and C. W. Watson. 2,346,527; Apr. 11.
Lace web and making lace strips therefrom. J. Spalding. 2,346,195; Apr. 11.
Lacquer, Thermoplastic. V. A. Navikas. 2,346,600; Apr. 11.
Lamp: *See*—
Fluorescent lamp.
Leather articles, Making hollow. G. S. Marx. 2,346,318; Apr. 11.
Lens mounts, Focusing. I. Cisski. 2,346,291; Apr. 11.
Lens, Telephoto. F. Kastilan. 2,346,312; Apr. 11.
Leveling rod and range pole. H. W. Fatkin. 2,346,479; Apr. 11.
Library book stack or the like. C. S. Brown. 2,346,150; Apr. 11.
Lifting tool. B. Gold. 2,346,482; Apr. 11.
Light buoy. G. F. N. Oliver. 2,346,325; Apr. 11.
Light signal. G. R. Pflasterer. 2,346,503; Apr. 11.
Liquid from wells, Flowing. W. Brauer. 2,346,248; Apr. 11.
Loader. S. Colovich. 2,346,471; Apr. 11.
Loading gear for vehicles, Power-operated. L. B. Thwaites. 2,346,404; Apr. 11.
Load transfer device. J. J. Sherman. 2,346,277; Apr. 11.
Lock: *See*—
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Loom for weaving ladder webbing. T. Brindle. 2,346,551; Apr. 11.
Lubricant, Compounded. B. B. Farrington, V. M. Kostainsek, and G. H. Denison, Jr. 2,346,156; Apr. 11.
Lubricant, Heavy duty. R. E. Burk. 2,346,356; Apr. 11.
Lubricant, High temperature. R. E. Burk and E. C. Hughes. 2,346,357; Apr. 11.
Machine for forming resilient brackets. A. E. Brickman and H. B. Trott. 2,346,468; Apr. 11.
Machine for wrapping toroidal objects. C. H. Desautels. 2,346,475; Apr. 11.
Magnetic board. F. Insler and J. Fakler. 2,346,582; Apr. 11.
Magnetic structures, Producing. P. G. Cobb. 2,346,555; Apr. 11.
Mailing envelope. N. F. Dunlop. 2,346,419; Apr. 11.
Manicuring device. L. A. Reynolds. 2,346,234; Apr. 11.
Manifolding paper, Handling continuous. W. C. Pfeiffer. 2,346,390; Apr. 11.
Manufacture of alkaline earth metal acid sulphides. R. C. Hartman. 2,346,577; Apr. 11.
Material handling apparatus. D. C. Croy. 2,346,293; Apr. 11.
Measuring thickness, Method and apparatus for. D. G. C. Hare. 2,346,486; Apr. 11.
Meat process. E. L. Piret and E. C. Ritchell. 2,346,232; Apr. 11.
Mechanical amusement device. H. J. Kimmel. 2,346,221; Apr. 11.
Mechanism for handling closure blanks. J. Belada. 2,346,549; Apr. 11.
Metal sections, Apparatus for detwisting. N. C. Lake. 2,346,438; Apr. 11.
Meter: *See*—
Gas meter.
Milling cutter. E. F. Aber. 2,346,343; Apr. 11.
Mixing assembly, Selective. J. W. Carlson. 2,346,290; Apr. 11.
Mold for making perforate articles. A. E. Sidnell. 2,346,335; Apr. 11.
Molded pulp articles, Machine for manufacturing. W. H. Randall. 2,346,608; Apr. 11.
Motor: *See*—
Fluid pressure motor. Outboard motor.
Motor control switch. C. J. Werner. 2,346,341; Apr. 11.
Motor pump unit. F. D. Foottit and G. J. Trapp. 2,346,372; Apr. 11.
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Resilient wheel mounting. Wave filter mounting.
Multiplying machine. F. R. Saxby. 2,346,616; Apr. 11.
Musical device. L. G. Machlin and E. B. Kriegsfeld. 2,346,444; Apr. 11.
Nut gathering device. E. A. Fleming. 2,346,211; Apr. 11.
Nut, Self-locking. W. Ruthven. 2,346,456; Apr. 11.
Oil burner. H. C. Rohr and P. R. Contant. 2,346,398; Apr. 11.

Oil, Compounded. G. H. Denison, Jr., and P. C. Condit. 2,346,153; Apr. 11.
Oil, Compounded. G. H. Denison, Jr., and P. C. Condit. 2,346,155; Apr. 11.
Oil, Compounded. B. B. Farrington, V. M. Kostainsek, and G. H. Denison, Jr. 2,346,157; Apr. 11.
Oil residue from magnesium articles, Removing carbonized. H. K. De Long. 2,346,562; Apr. 11.
Optical apparatus. E. D. Bailey, M. M. Brubaker, and J. H. Teeple. 2,346,247; Apr. 11.
Organic compounds, Stabilization of. E. C. Kirkpatrick. 2,346,425; Apr. 11.
Organic derivatives of cellulose, Improving. B. S. Farquhar. 2,346,210; Apr. 11.
Organic disinfecting agent in a special form. E. Wolfert and H. Daab. 2,346,632; Apr. 11.
Oscillator and reactance tube, Combined. W. van B. Roberts. 2,346,331; Apr. 11.
Oscillator for sine waves and square waves. J. F. Rider. 2,346,396; Apr. 11.
Outboard motor. A. S. Bosma. 2,346,148; Apr. 11.
Package for cigarettes and the like, Commodity. T. E. Wright. 2,346,407; Apr. 11.
Package structure. A. B. Drullard. 2,346,564; Apr. 11.
Packaging. D. R. La Place. 2,346,591; Apr. 11.
Parenteral administration unit. J. E. B. Shaw. 2,346,334; Apr. 11.
Pavement slabs and the like, Method and apparatus for placing. C. Jackson. 2,346,379; Apr. 11.
Perforating apparatus. A. W. Mills and E. Rabenda. 2,346,267; Apr. 11.
Permanent magnet chuck. F. L. Simmons. 2,346,193; Apr. 11.
Phonograph record and making. W. H. Miller. 2,346,597; Apr. 11.
Photographic developing apparatus. J. Wyllie, Jr. 2,346,530; Apr. 11.
Photographic printing device. J. K. Polhemus and B. W. Henrikson. 2,346,329; Apr. 11.
Photometer. J. M. Whittenton. 2,346,529; Apr. 11.
Picker, Corn. H. H. Cook. 2,346,252; Apr. 11.
Pigment and preparing the same. D. W. Robertson. 2,346,188; Apr. 11.
Pigment and product, Treating. A. D. Wilson. 2,346,243; Apr. 11.
Pin setting apparatus for bowling alleys. G. J. Schmidt. 2,346,189; Apr. 11.
Piston structure for shock absorbers. C. E. Read, J. M. Nickelsen, and A. Boor. 2,346,275; Apr. 11.
Plastic composition and making the same. S. P. Lovell and H. H. Straw. 2,346,136; Apr. 11.
Plastic fabricating machines, Method and composition for purging. L. K. Merrill and W. R. Wheeler. 2,346,228; Apr. 11.
Platen control device. P. E. Flowers. 2,346,214; Apr. 11.
Platen for materials testing machines, Compression. R. L. Templin. 2,346,281; Apr. 11.
Platen press. H. T. Tornberg. 2,346,519; Apr. 11.
Pneumatic body and fender hammer. F. H. Born. 2,346,532; Apr. 11.
Portable concrete cover. N. Cupido. 2,346,361; Apr. 11.
Pouch, Cartridge. R. M. Perry. 2,346,185; Apr. 11.
Powder, Propellant. E. S. Goodyear. 2,346,125; Apr. 11.
Power control. F. B. Edgar. 2,346,565; Apr. 11.
Power display device. J. Marak. 2,346,225; Apr. 11.
Power plant. H. C. E. Meyer and L. M. Rakestraw. 2,346,179; Apr. 11.
Power transmission belt. H. C. Schaper. 2,346,520; Apr. 11.
Power transmission system. W. U. Matson. 2,346,175; Apr. 11.
Pozzolanic materials and making same. M. Palmieri and A. J. Beck. 2,346,451; Apr. 11.
Press: *See*—
Platen press.
Sheet metal stretching press.
Press control, Hydraulic. W. J. Snyder. 2,346,141; Apr. 11.
Pressure actuated tool. R. H. Garbe. 2,346,297; Apr. 11.
Printing apparatus. W. B. Payne. 2,346,603; Apr. 11.
Printing machine, Multicolor. F. Lamatsch. 2,346,588; Apr. 11.
Projection screen. O. Hehn. 2,346,257; Apr. 11.
Projection screen stand. A. L. Raven. 2,346,274; Apr. 11.
Propeller. R. C. Brotz. 2,346,552; Apr. 11.
Propelling means. W. Manning. 2,346,595; Apr. 11.
Protective cover for apertures for loud-speaking instruments, microphones and other articles. D. H. Marlow. 2,346,226; Apr. 11.
Protective device. E. W. Drescher. 2,346,476; Apr. 11.
Pump: *See*—
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CLASSIFICATION OF PATENTS

ISSUED APRIL 11, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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THE
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Plant Patents	1	No. 624		
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Designs	51	No. 137,674 to No.	137,724,	inclusive.
Total	743			

Disclaimers

2,206,483.—*Ellis R. Meaker*, Auburn, N. Y. MANUFACTURE OF PASTEURIZED POTATO SALAD. Patent dated July 2, 1940. Disclaimer filed March 17, 1944, by the inventor; the assignee, *Ivanhoe Foods Inc.*, consenting.

Hereby enters this disclaimer to claims 1, 2, 3, and 4 of said patent.

2,273,139.—*Seth E. Peterson*, Chicago, Ill., and *Irvin Geitgey*, Elyria, Ohio. TELEPHONE SYSTEM. Patent dated February 17, 1942. Disclaimer filed March 1, 1944, by the assignee, *Automatic Electric Laboratories, Inc.*

Hereby enters this disclaimer to claims 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 18, 19, 20, 21, 22, 23, 24, 27, 47, 48, 49, 50, 51, 82, 83, and 84 of said Letters Patent.

2,326,441.—*Marion Morgan Cunningham*, South Bend, Ind. MATTRESS COVERING. Patent dated August 10, 1943. Disclaimer filed March 16, 1944, by the assignee, *Mishawaka Rubber & Woolen Manufacturing Company*.

Hereby enters this disclaimer to claims 3, 4, 5, and 6 of said patent.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., March 17, 1944.*

Dixie Baking Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Grocers' Biscuit Company, Incorporated, 654 South Seventh Street, Louisville, Ky., for registration of a trade-mark and trade-mark registered April 16, 1929, No. 255,174, to Dixie Baking Company, 2301 South Irvay Street, Wilmington, Del., and notice of such declaration sent by registered mail to said Dixie Baking Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dixie Baking Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice

In accordance with the provisions of rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Wednesday, June 28, 1944.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than June 5, 1944.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

HENRY VAN ARSDALE,
Chairman of the Committee on Enrollment and Disbarment.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Mar. 31, 1944.*

Estate of Abraham Shalit, the assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Max Ams, Inc., Greenwich and N. Moore Sts., New York, N. Y., to effect the cancellation of trade-mark registration of the Estate of Abraham Shalit, 524 E. 134th St., Bronx, New York, N. Y., No. 330,341, dated November 26, 1935, and the notice of such proceeding sent by registered mail to said Estate of Abraham Shalit at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Estate of Abraham Shalit, the assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business April 1, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,766; Trade-Mark Division, 1,233. Oldest new case, May 7, 1943; oldest amended, May 8, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 20	Nov. 20	400
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 11	Sept. 16	498
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 7	Aug. 3	932
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 15	Sept. 28	460
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Aug. 30	Aug. 25	938
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 12	Sept. 1	1207
7. JARBOE, C. G., Optics, Photography	Nov. 27	Oct. 29	684
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 16	Oct. 21	441
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 8	Oct. 4	682
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Nov. 10	Oct. 20	283
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	July 29	July 26	932
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Oct. 7	Oct. 21	507
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Nov. 27	Sept. 1	586
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Sept. 21	Sept. 3	747
16. SPENCER, C. J., Telegraphy; Telephony	Oct. 29	Oct. 25	549
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 7	July 28	531
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 13	May 8	814
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 13	Sept. 13	497
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Nov. 1	Nov. 2	407
21. THOMPSON, T. J., Textiles	Oct. 27	Sept. 18	367
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 9	Aug. 12	1138
23. BARROWS, B., Cash Registers; Calculators (part)	July 10	June 24	183
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Oct. 18	Oct. 20	558
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 2	Oct. 1	716
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 3	July 5	904
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 4	July 27	535
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	July 17	July 19	720
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 27	Oct. 1	635
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 5	July 5	1038
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Oct. 19	Oct. 20	1104
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 30	Oct. 4	594
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 9	Oct. 29	629
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders: Signals and Indicators.	Nov. 1	Aug. 13	511
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 5	Nov. 12	425
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Dec. 1	Nov. 9	345
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 18	Aug. 10	669
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	July 26	July 29	477
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 19	Nov. 5	586
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 19	Nov. 24	590
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines: Check-Controlled Apparatus.	July 17	Aug. 5	413
42. MARANS, H., Electric Signaling	Nov. 18	Nov. 8	366
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 1	Sept. 1	766
44. HARVEY, L. P., Refrigeration; Preserving	Sept. 6	Aug. 12	392
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Oct. 8	Sept. 30	896
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 9	Sept. 25	491
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Nov. 13	Oct. 26	642
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Aug. 28	Aug. 31	836
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 16	Oct. 4	609
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Sept. 21	Sept. 21	1293
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	Aug. 24	Aug. 25	1357
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 29	Sept. 2	758
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 12	Aug. 7	380
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 13	May 31	733
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Aug. 4	Aug. 6	643
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 1	Oct. 1	742
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	May 7	Aug. 23	661
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 6	Oct. 15	620
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Aug. 20	Aug. 25	1303
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	July 30	July 30	709
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Aug. 11	Sept. 24	451
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Nov. 17	Nov. 25	652
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	July 22	July 16	898
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Nov. 15	Nov. 11	1011
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 25	June 16	849
Trade-Marks: RICHMOND, F. A.	†Feb. 7	†Feb. 5	1233
Designs: KALUPY, H. H.	†Feb. 25	†Mar. 9	476

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

THE MERCOID CORPORATION

v.

MID-CONTINENT INVESTMENT COMPANY AND MINNEAPOLIS-HONEYWELL REGULATOR COMPANY

Nos. 54 and 55. Decided January 3, 1944

1. PATENTS—CERTIORARI.

Petition for a writ of certiorari granted because of the public importance of the questions presented.

2. SAME—EXPANSION OF PATENT MONOPOLY.

The principle of *Carbice Corp.* v. *American Patents Corp.*, 283 U. S. 27, 406 O. G. 3, *Leitch Mfg. Co.* v. *Barber Co.*, 302 U. S. 458, 488 O. G. 657, *Morton Salt Co.* v. *G. S. Suppiger Co.*, 314 U. S. 488, 536 O. G. 3, and *B. B. Chemical Co.* v. *Ellis*, 314 U. S. 495, 535 O. G. 683, that the owner of a patent may not employ it to secure a limited monopoly of an unpatented material used in applying the invention *Held* to govern a situation where the respondents, Mid-Continent Investment Company and Minneapolis-Honeywell Regulator Company, entered into a license agreement by which Minneapolis-Honeywell received an exclusive license to make, use, sell, and to sub-license others to make, use, and sell the domestic heating system covered by Cross combination Patent No. 1,758,146, with royalty payments under the license to be based only upon sales of the combustion stoker switch which was an element of the combination patent embodied in the patented article but which was itself unpatented, and the respondents endeavored to use the license agreement so as to prevent the sale or use of combustion stoker switches in such heating systems unless they were the switches made by Minneapolis-Honeywell and purchased from it or its sub-licensees.

3. SAME—SAME.

"In those cases both direct and contributory infringement suits were disallowed on a showing that the owner of the patent was using it 'as the effective means of restraining competition with its sale of an unpatented article.' * * * The Court has repeatedly held that to allow such suits would be to extend the aid of a court of equity in expanding the patent beyond the legitimate scope of its monopoly. It is true that those cases involved the use of the patent for a machine or process to secure a partial monopoly in supplies consumed in its operation or unpatented materials employed in it. But we can see no difference in principle where the unpatented material or device is itself an integral part of the structure embodying the patent."

4. SAME—NATURE AND SCOPE OF GRANT.

"The grant of a patent is the grant of a special privilege 'to promote the Progress and Science and Useful Arts.' Const., Art. I, § 8. It carries, of course, a right to be free from competition in the practice of the invention. But the limits of the patent are narrowly and strictly confined to the precise terms of the grant."

5. SAME—SAME—PUBLIC INTEREST.

"It is the public interest which is dominant in the patent system. * * * It is the protection of the public in a system of free enterprise which alike nullifies a patent where any part of it is invalid * * * and denies to the patentee after issuance the power to use it in such a way as to acquire a monopoly which is not plainly within the terms of the grant."

6. SAME—EXPANSION OF PATENT MONOPOLY.

"The necessities or convenience of the patentee do not justify any use of the monopoly of the patent to create another monopoly. The fact that the patentee has the power to refuse a license does not enable him to enlarge the monopoly of the patent by the expedient of attaching conditions to its use. * * * The method by which the monopoly is sought to be extended is material."

7. SAME—NATURE AND SCOPE OF GRANT—PUBLIC INTEREST.

"The patent is a privilege. But it is a privilege which is conditioned by a public purpose. It results from invention and is limited to the invention which it defines. When the patentee ties something else to his invention, he acts only by virtue of his right as the owner of property to make contracts concerning it and not otherwise. He then is subject to all the limitations upon that right which the general law imposes upon such contracts. The contract is not saved by anything in the patent laws because it relates to the invention. If it were, the mere act of the patentee could make the distinctive claim of the patent attach to something which does not possess the quality of invention. Then the patent would be diverted from its statutory purpose and become a ready instrument for economic control in domains where the anti-trust acts or other laws not the patent statutes define the public policy."

8. SAME—EXPANSION OF PATENT MONOPOLY.

"The patent is employed to protect the market for a device on which no patent has been granted. But for the patent such restraint on trade would plainly run afoul of the anti-trust laws. If the restraint is lawful because of the patent, the patent will have been expanded by contract. That on which no patent could be obtained would be as effectively protected as if a patent had been issued. Private business would function as its own patent office and impose its own law upon its licensees. It would obtain by contract what Letters Patent alone may grant."

9. SAME—SAME.

"Mr. Justice Brandeis, speaking for the Court, stated in the Carbice case that 'Control over the supply of such unpatented material is beyond the scope of the patentee's monopoly; and this limitation, inherent in the patent grant, is not dependent upon the peculiar function or character of the unpatented material or on the way in which it is used.' * * * We now add that it makes no difference that the unpatented device is part of the patented whole."

10. SAME—COMBINATION.

"The patent is for a combination only. Since none of the separate elements of the combination is claimed as the invention, none of them when dealt with separately is protected by the patent monopoly. * * * Whether the parts are new or old, the combination is the invention and it is distinct from any of them."

11. SAME—CONTRIBUTORY INFRINGEMENT—DEFENSES.

Held that the rule of *Leeds & Catlin* v. *Victor Talking Machine Co.* (No. 2), 213 U. S. 325, 144 O. G. 1095, that he who sells an unpatented part of a combination patent for use in the assembled machine may be guilty of contributory infringement "must no longer prevail against the defense that a combination patent is being used to protect an unpatented part from competition."

12. SAME—SAME—SAME.

Respondents' misuse of the patent in suit for the purpose of monopolizing unpatented material would have precluded them from enjoining a direct infringement and *Held* that they cannot stand in any better position with respect to a contributory infringer.

13. SAME—INFRINGEMENT—DEFENSES.

"Where there is a collision between the principle of the Carbice case and the conventional rules governing either direct or contributory infringement, the former prevails."

14. SAME—CONTRIBUTORY INFRINGEMENT.

"The result of this decision, together with those which have preceded it, is to limit substantially the doctrine of contributory infringement. What residuum may be left we need not stop to consider. It is sufficient to say that in whatever posture the issue may be tendered courts of equity will withhold relief where the patentee and those claiming under him are using the patent privilege contrary to the public interest."

15. ESTOPPLE—RES JUDICATAS

The doctrine of res judicata *Held* not to foreclose the defense tendered by petitioner, Mercoid Corporation, relating to misuse of the patent in suit by respondents.

16. SAME—SAME.

"'Where an important public interest would be prejudiced,' the reasons for denying injunctive relief 'may be compelling.' • • • That is the principle which has led this Court in the past to withhold aid from a patentee in suits for either direct or indirect infringement where the patent was being misused. • • • That principle is controlling here. The parties cannot foreclose the courts from the exercise of that discretion by the failure to interpose the same defense in an earlier litigation."

17. SAME—SAME—COUNTERCLAIM.

Held that, though Mercoid were barred from asserting any defense which might have been interposed in the earlier litigation, it would not follow that its counterclaim for damages based on § 4 of the Clayton Act would likewise be barred.

18. SAME—SAME—SAME.

"That claim for damages is more than a defense; it is a separate statutory cause of action. The fact that it might have been asserted as a counterclaim in the prior suit by reason of Rule 13(*b*) of the Rules of Civil Procedure does not mean that the failure to do so renders the prior judgment res judicata as respects it."

19. SAME—SAME.

"The case is then governed by the principle that where the second cause of action between the parties is upon a different claim the prior judgment is res judicata not as to issues which might have been tendered but 'only as to those matters in issue or points controverted, upon the determination of which the finding or verdict was rendered.'"

20. LIABILITY UNDER § 4 OF THE CLAYTON ACT—ENFORCEMENT UNDER COUNTERCLAIM.

"It was held in *Fleitmann* v. *Welsbach Street Lighting Co.*, 240 U. S. 27, that the statutory liability in question may be enforced only through the verdict of a jury in a court of common law. But there is no reason under the Rules of Civil Procedure why that may not be done under this counterclaim. Rules 12(*h*), 13, 38, 42(b)."

ON WRITS of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit. Reversed.

Mr. George L. Wilkinson for The Mercoid Corporation.

Mr. Casper W. Ooms (*Mr. Richard Spencer*, *Mr. Richard L. Johnston*, and *Mr. Lloyd C. Root* with him on the brief) for Mid-Continent Investment Company.

Mr. W. P. Bair (*Mr. Will Freeman*, *Mr. George H. Fisher*, and *Messrs. Bair & Freeman* with him on the brief) for Minneapolis-Honeywell Regulator Company.

Mr. Charles Fahy, Solicitor General, *Mr. Wendell Berge*, Assistant Attorney General, *Mr. Walton Hamilton*, *Mr. Elliott H. Moyer*, *Mr. Robert C. Barnard*, and *Mr. Edwin Pewett*, filed brief on behalf of United States as amicus curiae.

Mr. Justice DOUGLAS delivered the opinion of the Court.

[1] This suit was brought by respondent, Mid-Continent Investment Co., against petitioner, Mercoid Corporation, for contributory infringement of the Cross combination patent, No. 1,758,146, issued May 13, 1930, for a domestic heating system. Mercoid in its answer denied contributory infringement and alleged that Mid-Continent should be barred from relief because it was seeking to extend the grant of the patent to unpatented devices. The alleged improper use of the patent was also the basis of a counterclaim filed by Mercoid in which it was averred that Mid-Continent and its exclusive licensee under the patent, respondent Minneapolis-Honeywell Regulator Co., who was brought in as a party plaintiff, had conspired to expand the monopoly of the patent in violation of the anti-trust laws. Mercoid asked not only for declaratory relief but for an accounting and treble damages as well. The district court found that Mercoid did not contribute to the infringement of the Cross patent; that respondents had conspired to establish a monopoly in an unpatented appliance beyond the scope of the patent and in violation of the anti-trust laws; and that respondents were in no position to maintain the suit because of that conspiracy. Mercoid was granted an injunction but its prayer for damages was denied. The circuit court of appeals affirmed the judgment of the district court in disallowing damages under the counterclaim. In all other respects it reversed that judgment, holding that Mercoid was guilty of contributory infringement under the rule of *Leeds & Catlin Co.* v. *Victor Talking Machine Co.*, No. 2, 213 U. S. 325, 144 O. G. 1095, and that *Carbice Corp.* v. *American Patents Corp.*, 283 U. S. 27, 406 O. G. 3, and *Leitch Mfg. Co.* v. *Barber Co.*, 302 U. S. 458, 488 O. G. 657, did not bar recovery as the district court had thought. 133 F.(2d) 803. The case is here on a petition for a writ of certiorari which we granted because of the public importance of the questions presented.

[2][3] The controversy centers around the license agreement between Mid-Continent and Minneapolis-Honeywell. By that agreement Minneapolis-Honeywell received an exclusive license to make, use, sell, and to sub-license others to make, use, and sell the Cross combination patent, No. 1,758,146. The royalty payments under the license, however, were to be based only upon sales of the combustion stoker switch which was an element of the combination patent embodied in the patented article but which was itself unpatented. The license agreement was construed by the circuit court of appeals to mean that the royalty payments were to be made only on switches used for fire maintenance purposes under the Cross patent. And Minneapolis-Honeywell in advertising its stoker switches stated that the "right to use" the Cross system patent was "only granted to the user" when the stoker switches of Minneapolis-Honeywell were purchased from it and used in the system. Neither Mid-Continent nor Minneapolis-Honeywell manufactures or installs heating systems under the Cross combination patent. There was ample evidence to sustain the findings of the district court that respondents endeavored to use the license agreement so as to prevent the sale or use of combustion stoker switches in these heating systems unless they were the switches made by Minneapolis-Honeywell and purchased from it or its sub-licensees.

The patent is a combination or system patent, covering a domestic heating system which comprises three main elements—a motor driven stoker for feeding fuel to the combustion chamber of a furnace, a room thermostat for controlling the feeding of fuel, and a combustion stoker switch to prevent extinguishment of the fire. The room thermostat functions to supply, or discontinue the supply of, heat by closing or then opening the circuit to the stoker motor at the required temperatures. The combustion stoker switch, or holdfire control, is responsive to a low temperature in the furnace causing the stoker to feed fuel so as to prevent the furnace fire from going out. The control of the combustion stoker switch is said to be effective in mild weather when the room thermostat may not call for heat for a considerable period.

Mercoid, like Mid-Continent and Minneapolis-Honeywell, does not sell or install the Cross heating system. But the circuit court of appeals found that Mercoid manufactured and sold combustion stoker switches for use in the Cross combination patent. And we may assume that Mercoid did not act innocently. Indeed the circuit court of appeals said that it could find no use for the accused devices other than in the Cross combination patent. And it assumed, as was held in *Smith* v. *Mid-Continent Inv. Co.*, 106 F.(2d) 622, that the Cross patent was valid. But though we assume the validity of the patent and accept fully the findings of the circuit court of appeals, we think the judgment below should be reversed.

Ever since *Henry* v. *A. B. Dick Co.*, 224 U. S. 1, 176 O. G. 751, was overruled by *Motion Picture Co.* v. *Universal Film Co.*, 243 U. S. 502, 238 O. G. 311, this Court has consistently held that the owner of a patent may not employ it to secure a limited monopoly of an unpatented material used in applying the invention. *Carbice Corp.* v. *American Patents Corp.*, supra; *Leitch Mfg. Co.* v. *Barber Co.*, supra; *Morton Salt Co.* v. *G. S. Suppiger Co.*, 314 U. S. 488, 536 O. G. 3; *B. B. Chemical Co.* v. *Ellis*, 314 U. S. 495, 535 O. G. 683. In those cases both direct and contributory infringement suits were disallowed on a showing that the owner of the patent was using it "as the effective means of restraining competition with its sale of an unpatented article." *Morton Salt Co.* v. *G. S. Suppiger Co.*, supra, p. 490. The Court has repeatedly held that to allow such suits would be to extend the aid of a court of equity in expanding the patent beyond the legitimate scope of its monopoly. It is true that those cases involved the use of the patent for a machine or process to secure a partial monopoly in supplies consumed in its operation or unpatented materials employed in it. But we can see no difference in principle where the unpatented material or device is itself an integral part of the structure embodying the patent.

[4][5][6][7] The grant of a patent is the grant of a special privilege "to promote the Progress of Science and useful Arts." Const. Art. I, § 8. It carries, of course, a right to be free from competition in the practice of the invention. But the limits of the patent are narrowly and strictly confined to the precise terms of the grant. *Ethyl Gasoline Corp.* v. *United States*, 309 U. S. 436, 456, 515 O. G. 827; *United States* v. *Univis Lens Co.*, 316 U. S. 241, 251, 540 O. G. 481. It is the public interest which is dominant in the patent system. *Pennock* v. *Dialogue*, 2 Pet. 1; *Kendall* v. *Winsor*, 21 How. 322, 329; *Adams* v. *Burke*, 17 Wall. 453, 33 O. G. 114; *Motion Picture Co.* v. *Universal Film Co.*, supra, pp. 510–511; *Morton Salt Co.* v. *G. S. Suppiger Co.*, supra; *United States* v. *Masonite Corp.*, 316 U. S. 265, 278, 540 O. G. 3. It is the protection of the public in a system of free enterprise which alike nullifies a patent where any part of it is invalid (*Marconi Wireless Co.* v. *United States*, 320 U. S. 1, 58, 556 O. G. 339; and see *General Electric Co.* v. *Wabash Corp.*, 304 U. S. 364, 372, 491 O. G. 463) and denies to the patentee after issuance the power to use it in such a way as to acquire a monopoly which is not plainly within the terms of the grant. The necessities or convenience of the patentee do not justify any use of the monopoly of the patent to create another monopoly. The fact that the patentee has the power to refuse a license does not enable him to enlarge the monopoly of the patent by the expedient of attaching conditions to its use. *United States* v. *Masonite Corp.*, supra, p. 277. The method by which the monopoly is sought to be extended is immaterial. *United States* v. *Univis Lens Co.*, supra, pp. 251–252. The patent is a privilege. But it is a privilege which is conditioned by a public purpose. It results from invention and is limited to the invention which it defines. When the patentee ties something else to his invention, he acts only by virtue of his right as the owner of property to make contracts concerning it and not otherwise. He then is subject to all the limitations upon that right which the general law imposes upon such contracts. The contract is not saved by anything in the patent laws because it relates to the invention. If it were, the mere act of the patentee could make the distinctive claim of the patent attach to something which does not possess the quality of invention. Then the patent would be diverted from its statutory purpose and become a ready instrument for economic control in domains where the anti-trust acts or other laws not the patent statutes define the public policy.

[8][9] The instant case is a graphic illustration of the evils of an expansion of the patent monopoly by private engagements. The patent in question embraces furnace assemblies which neither the patentee nor the licensee makes or vends. The struggle is not over a combination patent and the

right to make or vend it. The contest is solely over unpatented wares which go into the patented product. Respondents point out that the royalties under the license are measured by the number of unpatented controls which are sold and that no royalty is paid unless a furnace covered by the patent has been installed. But the fact remains that the competition which is sought to be controlled is not competition in the sale of the patented assembly but merely competition in the sale of the unpatented thermostatic controls. The patent is employed to protect the market for a device on which no patent has been granted. But for the patent such restraint on trade would plainly run afoul of the anti-trust laws. If the restraint is lawful because of the patent, the patent will have been expanded by contract. That on which no patent could be obtained would be as effectively protected as if a patent had been issued. Private business would function as its own patent office and impose its own law upon its licensees. It would obtain by contract what Letters Patent alone may grant. Such a vast power "to multiply monopolies" at the will of the patentee (Chief Justice White dissenting in *Henry* v. *A. B. Dick Co.*, supra, p. 53) would carve out exceptions to the anti-trust laws which Congress has not sanctioned. Mr. Justice Brandeis, speaking for the Court, stated in the Carbice case that

"Control over the supply of such unpatented material is beyond the scope of the patentee's monopoly; and this limitation, inherent in the patent grant, is not dependent upon the peculiar function or character of the unpatented material or on the way in which it is used." 283 U. S. p. 33.

We now add that it makes no difference that the unpatented device is part of the patented whole.

[10] That result may not be obviated in the present case by calling the combustion stoker switch the "heart of the invention" or the "advance in the art". The patent is for a combination only. Since none of the separate elements of the combination is claimed as the invention, none of them when dealt with separately is protected by the patent monopoly. *Leeds & Catlin* v. *Victor Talking Machine Co.* (No. 1), 213 U. S. 301, 318, 144 O. G. 1089. Whether the parts are new or old, the combination is the invention and it is distinct from any of them. See *Schumacher* v. *Cornell*, 96 U. S. 549, 554; *Rowell* v. *Lindsay*, 113 U. S. 97, 101, 31 O. G. 120. If a limited monopoly over the combustion stoker switch were allowed, it would not be a monopoly accorded inventive genius by the patent laws but a monopoly born of a commercial desire to avoid the rigors of competition fostered by the anti-trust laws. If such an expansion of the patent monopoly could be effected by contract, the integrity of the patent system would be seriously compromised.

[11][12][13] *Leeds & Catlin* v. *Victor Talking Machine Co.* (No. 2), supra, is authority for the conclusion that he who sells an unpatented part of a combination patent for use in the assembled machine may be guilty of contributory infringement. The protection which the Court in that case extended to the phonograph record, which was an unpatented part of the patented phonograph, is in substance inconsistent with the view which we have expressed in this case. The rule of the Leeds & Catlin case (No. 2) accordingly must no longer prevail against the defense[1] that a combination patent is being used to protect an unpatented part from competition. That result obtains here though we assume for the purposes of this case that Mercoid was a contributory infringer and that respondents could have enjoined the infringement had they not misused the patent for the purpose of monopolizing unpatented material. Inasmuch as their misuse of the patent would have precluded them from enjoining a direct infringement (*Morton Salt Co.* v. *G. S. Suppiger Co.*, supra) they cannot stand in any better position with respect to a contributory infringer. Where there is a collision between the principle of the Carbice case and the conventional rules governing either direct or contributory infringement, the former prevails.

[14] The result of this decision, together with those which have preceded it, is to limit substantially the doctrine of contributory infringement. What residuum may be left we need not stop to consider. It is sufficient to say that in whatever posture the issue may be tendered courts of equity will withhold relief where the patentee and those claiming under him are using the patent privilege contrary to the public interest. *Morton Salt Co.* v. *G. S. Suppiger Co.*, supra, p. 492.

There remain the questions of res judicata and Mercoid's right to relief under the counterclaim.

[15] Respondents point out that Mercoid knew of Mid-Continent's actions and the license agreement prior to 1935 when the earlier suit involving the validity of the Cross patent (*Smith* v. *Mid-Continental Inv. Co.*, supra) was instituted. They state, and the district court found, that although Mercoid was not made a party to the earlier suit it provided the defense. The contention therefore is that the doctrine of res judicata binds Mercoid as respects issues which were actually litigated and all issues which might have been raised in that earlier suit. And it is pointed out that among the defenses which might have been interposed were those relating to the misuse of the patent and the violations of the anti-trust laws. It is argued, moreover, that although Minneapolis-Honeywell was not a party to the earlier litigation, it is entitled to the benefit of the judgment since its title or claim derives from the patentee. We do not stop to examine the premises on which the argument is based; for though we assume that they are correct, it does not follow that the doctrine of

[1] The Court in that case did not refer to the doctrine of misuse of a patent. That doctrine indeed was developed in this Court some years later as shown by the Motion Picture case. The record in the Leeds & Catlin case indicates that the point which we deem crucial in the instant case was adverted to only obliquely in the briefs. The Court was chiefly concerned with the proposition that a substitution or renewal of an unpatented element of a combination patent, as distinguished from its repair, is a "reconstruction" of the combination. 213 U. S., pp. 333, 336.

res judicata forecloses the defense which is tendered.

[16] Respondents ask the equity court for an injunction against infringement by petitioner of the patent in question and for an accounting. Should such a decree be entered, the Court would be placing its imprimatur on a scheme which involves a misuse of the patent privilege and a violation of the anti-trust laws. It would aid in the consummation of a conspiracy to expand a patent beyond its legitimate scope. But patentees and licensees cannot secure aid from the court to bring such an event to pass, "unless it is in accordance with policy to grant that help." *Beasley* v. *Texas & Pacific Ry. Co.*, 191 U. S. 492, 497. And the determination of that policy is not "at the mercy" of the parties (id., p. 498) nor dependent on the usual rules governing the settlement of private litigation.

"Courts of equity may, and frequently do, go much farther both to give and withhold relief in furtherance of the public interest than they are accustomed to go when only private interests are involved." *Virginian Ry. Co.* v. *System Federation No. 40*, 300 U. S. 515, 552.

"Where an important public interest would be prejudiced," the reasons for denying injunctive relief "may be compelling." *Harrisonville* v. *Dickey Clay Co.*, 289 U. S. 334, 338. And see *United States* v. *Morgan*, 307 U. S. 183, 194. That is the principle which has led this Court in the past to withhold aid from a patentee in suits for either direct or indirect infringement where the patent was being misused. *Morton Salt Co.* v. *G. S. Suppiger Co.*, supra, p. 492. That principle is controlling here. The parties cannot foreclose the courts from the exercise of that discretion by the failure to interpose the same defense in an earlier litigation. Cf. *Sola Electric Co.* v. *Jefferson Electric Co.*, 317 U. S. 173. 547 O. G. 3.

[17][18][19][20] What we have just said does not, of course, dispose of Mercoid's counterclaim for damages. That was based on § 4 of the Clayton Act which provides:

"Any person who shall be injured in his business or property by reason of anything forbidden in the anti-trust laws may sue therefor in any district court of the United States in the district in which the defendant resides or is found or has an agent, without respect to the amount in controversy, and shall recover threefold the damages by him sustained, and the cost of suit, including a reasonable attorney's fee." 38 Stat. 731, 15 U. S. C. § 15.

Though Mercoid were barred in the present case from asserting any defense which might have been interposed in the earlier litigation, it would not follow that its counterclaim for damages would likewise be barred. That claim for damages is more than a defense; it is a separate statutory cause of action. The fact that it might have been asserted as a counterclaim in the prior suit by reason of rule 13(*b*) of the Rules of Civil Procedure does not mean that the failure to do so renders the prior judgment res judicata as respects it. *Virginia-Carolina Chemical Co.* v. *Kirven*, 215 U. S. 252; *Larsen* v. *Northland Transportation Co.*, 292 U. S. 20. And see Scott, Collateral Estoppel by Judgment, 56 Harv. L. Rev. 1, 26–28; Restatement of the Law of Judgments, § 58. The case is then governed by the principle that where the second cause of action between the parties is upon a different claim the prior judgment is res judicata not as to issues which might have been tendered but "only as to those matters in issue or points controverted, upon the determination of which the finding or verdict was rendered." *Cromwell* v. *County of Sac*, 94 U. S. 351, 353.

And see *Russell* v. *Place*, 94 U. S. 606, 12 O. G. 53. It was held in *Fleitmann* v. *Welsbach Street Lighting Co.*, 240 U. S. 27, that the statutory liability in question may be enforced only through the verdict of a jury in a court of common law. But there is no reason under the Rules of Civil Procedure why that may not be done under this counterclaim. Rules 12(*h*), 13, 38, 42(*b*). Whether the evidence will show damages within the rule of *Story Parchment Co.* v. *Paterson Co.*, 282 U. S. 555, is of course a distinct question on which we intimate no opinion.

We have mentioned the statutory claim for damages because both the district court and the circuit court of appeals denied that relief. But since the cause must be remanded to the district court, we think the question whether res judicata bars any other part of the relief sought by the counterclaim may appropriately be reserved for it.

Reversed.

Opinion of Mr. Justice BLACK:

Although I entirely agree with the Court's judgments and the grounds on which they rest, I find it necessary to add a few remarks in order that silence may not be understood as acquiescence in the views expressed in the dissenting opinion of Mr. Justice FRANKFURTER. There is no inclination on my part to challenge the wisdom of the established practice whereby we do not discuss issues in the abstract. As I see it, that salutary practice has no application to the Court's discussion of contributory infringement in the present case. The court below rested its decision on what it considered to be a doctrine of contributory infringement, and counsel for respondent have discussed and relied upon it here. The Court's opinion demonstrates that the subject cannot be ignored since at least one element of the "complicated idea" which is "compressed" in the judicially created "formula" of contributory infringement clashes head-on with elements of the Carbice doctrine.

But my disagreement with this dissenting opinion runs much deeper than the mere question of whether the Court has here discussed the so-called formula of contributory infringement at an improper or inopportune time. It seems to me that the judicial error of discussing abstract questions is slight compared to the error of interpreting legislative enactments on the basis of a court's preconceived views on "morals" and "ethics."

If there is such a wrong as contributory infringement, it must have been created by the federal patent statutes. Since they make no direct mention of such a wrong, its existence could only be rested on inferences as to Congressional intent. In searching for Congressional intent we ordinarily look

to such sources as statutory language and legislative history. The dissent in question mentions neither of these guides; in fact, it mentions no statute at all. Instead, the chief reliance appears to be upon the law of torts, a quotation from a decision of a lower federal court which held that no infringement was shown, and the writer's personal views on "morals" and "ethics." Not one of these references, unless it be the latter, throws enough light on the patent statutes to justify its use in construing these statutes as creating, in addition to a right of recovery for infringement, a more expansive right judicially characterized as a "formula" of "contributory infringement." And for judges to rest their interpretation of statutes on nothing but their own conceptions of "morals" and "ethics" is, to say the least, dangerous business.

If the present case compelled consideration of the morals and ethics of contributory infringement, I should be most reluctant to conclude that the scales of moral value are weighted against the right of producers to sell their unpatented goods in a free market. At least since Adam Smith wrote, unhampered competition has not generally been considered immoral. While there have been objections to the Sherman Anti-Trust Act, few if any of the objectors have questioned its morality.

It has long been recognized that a socially undesirable practice may seek acceptance under the guise of conventional moral symbols. And repeated judicial assertion that a bad practice is hallowed by morals may, if unchallenged, help it to receive the acceptance which it seeks. With this in mind, I wish to make explicit my protest against talking about the judicial doctrine of "contributory infringement" as though it were entitled to the same respect as a universally recognized moral truth.

Mr. Justice MURPHY concurs in this opinion.

Mr. Justice ROBERTS:

First. I agree that the patentee may not extend his exclusive statutory right to make, use, and vend by forbidding one practicing the invention from using in such practice an unpatented article susceptible to such use. He may not obtain an injunction against such user for infringement. This is a pure question of the extent of the right of exclusion conferred by the patent statute.[1] It nowise involves the antitrust acts. A patent is property and it may, like other property, be so used as to violate those acts,[2] but that is not this case.

Second. I think the opinion may create confusion respecting contributory infringement. The court below, thinking the doctrine of the Carbice and Leitch cases inapplicable, necessarily concluded that the user of the system infringed the patent if he used any thermostat other than that manufactured by respondent's exclusive licensee. But those cases show that so to do would not constitute infringement of the patent. And if the purchaser and user could not be amerced as an infringer certainly one who sold to him with the purpose that he should use the thermostat cannot be amerced for contributing to a non-existent infringement. One may disagree with the decision of this court in *Leeds & Catlin Co.* v. *Victor Talking Machine Co.*, 213 U. S. 325, 144 O. G. 1095, that the substitution by the user of the talking machine of a record not made by the licensor constituted an infringement of the patent, but, accepting the premise that such conduct was infringement, one who participated in it by knowingly and intentionally selling records to the user became an aider and participant in the infringement and, as such, liable to the owner of the patent. I cannot believe that the court's opinion is intended to lay down a different principle.

Third. I disagree with the application of the rule res judicata to one phase of the litigation. Mercoid defended an earlier suit brought by the respondent against a user of the patented combination who bought and installed as part of the system a Mercoid thermostat. Confessedly the defense now asserted under the Carbice doctrine was available, was not made, and judgment of validity and infringement was entered.

I fail to see what great question of public interest or public policy is violated by holding that one to whom a defense was available, in rebuttal of a claim broader than was warranted by the statute on which the plaintiff's right was founded, is bound by the judgment rendered. That judgment stands unreversed. The defense, if made, as it could have been, would have benefited the defendant in its pocketbook. We are now told that a misconstruction of the patent law by a licensor is so violent and flagrant a flouting of the public interest that a court of equity must hold its hand for the benefit of a defendant whenever he chooses to invoke that interest for his private benefit, though he has failed to make the defense in an earlier litigation and stands of record an infringer. If a wrong against the public has been perpetrated it may be redressed at the instance of the representatives of government.

I can only speculate as to the results of such a holding. If applicable here, I cannot see why the principle should not apply to every suit or action based upon, or arising out of, statutory provisions, and to every defense bottomed on public policy, whether expressed in statute or not. Surely the defendant in the earlier suit, after the decree against him became final, could not have defended a charge of contempt for disobeying the decree on the ground now asserted. And if the judgment concluded him thus directly, I cannot agree that he may now disregard it or collaterally attack it. And confessedly Mercoid stands in his shoes.[3]

I should affirm the judgment.

Mr. Justice REED joins in this opinion.

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[1] *Carbice Corp.* v. *American Patents Corp.*, 283 U. S. 27, 406 O. G. 3; *Leitch Mfg. Co.* v. *Barber Co.*, 302 U. S. 458, 488 O. G. 657.

[2] *Standard Sanitary Mfg. Co.* v. *United States*, 226 U. S. 20, 184 O. G. 1074; *United States* v. *Masonite Corp.*, 316 U. S. 265, 540 O. G. 3.

[3] *Bryant Electric Co.* v. *Marshall*, 169 Fed. 426; affirmed 185 Fed. 499. Compare *Souffront* v. *La Compagnie*, 217 U. S. 475. And see cases collected 139 A. L. R. 41.

Mr. Justice FRANKFURTER (dissenting):

The Court holds in effect that the owner of a patent who exacts, as the condition of a license, that unpatented materials used in connection with the invention shall be purchased only from the licensor cannot obtain relief from equity against one who supplies such unpatented materials even though the unpatented appliance was not for common use but was designedly adapted for the practice of the invention, but when so used did not involve an infringement of the patent. The decision is thus merely an appropriate application of what has come to be known as the doctrine in the Carbice case, 283 U. S. 27, 406 O. G. 3. In this view I concur.

But in the series of cases in which that doctrine has heretofore been applied (*Motion Picture Co.* v. *Universal Film Co.*, 243 U. S. 502, 238 O. G. 311; *Carbice Corp.* v. *Am. Patents Corp.*, supra; *Morton Salt Co.* v. *Suppiger Co.*, 314 U. S. 488, 536 O. G. 3; *B. B. Chemical Co.* v. *Ellis*, 314 U. S. 495, 535 O. G. 683), not once has this Court found it relevant to reject either explicitly or by indirection, another doctrine of the law, that of contributory infringement, nor has it seen fit to make animadversions upon it. This is so doubtless for the simple reason that appropriate occasions for relief against contributory infringement are unrelated to the circumstances which bring the Carbice doctrine into play. In a word, if there is no infringement of a patent there can be no contributory infringer.

Within its true limits the idea of contributory infringement was woven into the fabric of our law and has been part of it for now more than seventy years. See Roberts, Contributory Infringement of Patent Rights, 12 Harv. L. Rev. 35, and e. g. *Thomson-Houston Electric Co.* v. *Ohio Brass Co.*, 80 F. 712. The doctrine has been put perhaps most simply by Judge Shepley:

> "Different parties may all infringe, by respectively making or selling, each of them, one of the elements of a patented combination, provided those separate elements are made for the purpose, and with the intent, of their being combined by a party having no right to combine them. But the mere manufacture of a separate element of a patented combination, unless such manufacture be proved to have been conducted for the purpose, and with the intent of aiding infringement, is not, in and of itself, infringement." *Saxe* v. *Hammond*, 1 Ban. & A 629, 632.

So understood, the doctrine of contributory infringement is an expression both of law and morals. It is but on phase of a more comprehending doctrine of legal liability enforced by this Court both in civil and criminal cases. See, for instance, *Amer. Bank & Trust Co.* v. *Federal Bank*, 256 U. S. 350, and *Direct Sales Co.* v. *United States*, 319 U. S. 703. Indeed, the opinion in the Carbice case explicitly recognizes a proper scope for the doctrine of contributory infringement as a phase of the law of torts:

> "Infringement, whether direct or contributory, is essentially a tort, and implies invasion of some right of the patentee." *Carbice Corp.* v. *Am. Patents Corp.*, 283 U. S. 27, 33, 406 O. G. 3.

To be sure, the doctrine of contributory infringement may be misconceived and has been misapplied. That is the fate of all shorthand statements of complicated ideas, whether in law or in the natural sciences. But the misapplication of a formula into which a complicated idea is compressed and thereby mutilated is a poor excuse for rejecting the idea. It will be time enough to define the appropriate limits of the doctrine of contributory infringement when we are required to deal with the problem. Until then litigants and lower courts ought not to be embarrassed by gratuitous innuendoes against a principle of the law which, within its proper bounds, is accredited by legal history as well as ethics. The long and on the whole not unworthy history of our judicial administration admonishes us against expressing views on matters not before us. The history of this Court especially admonishes us against the evils of giving opinions not called for. See e. g. Hughes, The Supreme Court of the United States, p. 50, and 49 Harv. L. Rev. 68, 98. The duty of not going beyond the necessities of a case is not a lifeless technicality. The experience of centuries is behind the wisdom of not deciding, whether explicitly or by atmospheric pressure, matters that do not come to the Court with the impact of necessity.

For the reasons set forth by my brother ROBERTS, res judicata calls for affirmance.

Mr. Justice JACKSON (in dissent):

"A patent," said Mr. Justice Holmes,

> "is property carried to the highest degree of abstraction—a right *in rem* to exclude, without a physical object or content."[1]

Here the patent covers a combination—a system—a sequence—which is said to be new, although every element and factor in it is old and unpatentable. Thus we have an abstract right in an abstruse relationship between things in which individually there is no right—a legal concept which either is very profound or almost unintelligible, I cannot be quite sure which.

Undoubtedly the man who first devised a thermostat to control the flow of electric energy gave something to the world. But one who merely carried it to a new location, or used two instead of one, or three instead of two, or used it to control current for a stoker motor rather than for a damper, did not do much that I would not expect of a good mechanic familiar with the instrument. But that question of validity is not here. I assume that this patent confers some rights and ask what they are.

Of course the abstract right to the "sequence" has little economic importance unless its monopoly comprehends not only the arrangement but some, at least, of its components. If the patentee may not exclude competitors from making and vending strategic unpatented elements such as the thermostat, adapted to use in the combination, the patented system is so vulnerable to competition as to be almost worthless. On the other hand, if he may prohibit such competition, his system patent gathers up into its monopoly devices long known to the art and hence not themselves subject to any patent.

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[1] I Holmes-Pollock Letters, p. 53.

It is suggested that such a patent should protect the patentee at least against one who knowingly and intentionally builds a device for use in the combination and vends it for that purpose. That is what appears to have been done here. As to ethics, the parties seem to me as much on a parity as the pot and the kettle. But want of knowledge or innocent intent is not ordinarily available to diminish patent protection. I do not see how intent can make infringement of what otherwise is not. The less legal rights depend on someone's state of mind, the better.

The practical issue is whether we will leave such a combination patent with little value indeed or whether we will give it value by projecting its economic effects to elements not by themselves a part of its legal monopoly. In these circumstances I think we should protect the patent owner in the enjoyment of just what he has been granted—an abstract right in an abstruse combination—worth whatever such a totality may be worth. I see no constitutional or statutory authority for giving it additional value by bringing into its monopoly all or any of the unpatentable parts.

For these reasons I agree with the Court that no case of infringement could have been made out had the issue been raised when it was timely. But I agree with the views of the doctrine of res adjudicata expressed by Mr. Justice ROBERTS and for that reason join the dissent.

Adjudicated Patents

(C. C. A. Oreg.) Lanninger patent, No. 1,747,942, for pipe line, claim 3 *Held* not infringed. *Schnitzer* v. *California Corrugated Culvert Co.*, 140 F.(2d) 275, reversing *California Corrugated Culvert Co.* v. *Schnitzer*, 46 F. Supp. 967.

(C. C. A. N. Y.) Teamer patent, No. 2,221,851, for a gown, *Held* invalid. *Custom Undergarment Corporation* v. *R. H. Macy & Co.*, 140 F.(2d) 197.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 18, 1944

[VOL. 561. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 462,429. WERNER SCHWARZ and JOVAN MUNIZABA, Buenos Aires, Argentina. Filed July 31, 1943.

NEUTRO

FOR CRUDE, RAW OR PARTLY PREPARED ANIMAL HIDES AND SKINS.
Claims use since Feb. 28, 1942.

CLASS 2

RECEPTACLES

Ser. No. 463,945. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943.

HOLDALL

FOR PAPER BAGS.
Claims use since 1915.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 466,823. BERNARD BAHR, doing business as Rodeo Leather Goods Co., Los Angeles, Calif. Filed Jan. 24, 1944.

RODEO

FOR LEATHER GOODS—NAMELY, BILLFOLDS, POCKETBOOKS, KEYCASES, PORTFOLIOS, BRIEF CASES, AND PICTURE FOLDERS.
Claims use since June 1940.

Ser. No. 467,465. PHELPS ASSOCIATES, New York, N. Y. Filed Feb. 16, 1944.



FOR HANDBAGS AND HAVERSACKS.
Claims use since Sept. 1, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 467,436. SANI-TOIL LABORATORIES, Joplin, Mo. Filed Feb. 15, 1944.

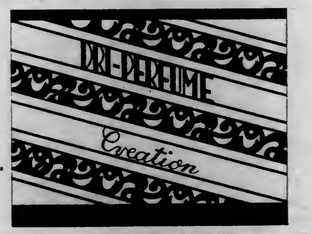
STERITOIL

FOR CLEANER FOR TOILET BOWLS, DRAINS, BATH TUBS, WASHSTANDS, AND THE LIKE, HAVING INCIDENTAL DEODORIZING AND DISINFECTING PROPERTIES.
Claims use since Jan. 27, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,582. JOHN L. PRIESS, doing business as J. Priess, Chicago, Ill. Filed Sept. 22, 1943.



Applicant disclaims "Dri-Perfume" apart from the mark.

FOR POWDER FOR THE FACE, HANDS, AND BODY, AND PERFUME.
Claims use since Mar. 10, 1939.

Ser. No. 464,298. ANSBACHER-SIEGLE CORPORATION, Brooklyn, N. Y. Filed Oct. 21, 1943.

RESINIDE

FOR RESINOUS MATERIALS FOR USE IN FILLERS AND SIZES FOR PROCESSING TEXTILES.
Claims use since Apr. 30, 1943.

Ser. No. 464,458. WILLIAM R. WARNER & CO. INC., Wilmington, Del., and New York, N. Y. Filed Oct. 27, 1943.

ORAMINE

FOR AMINO ACID PREPARATIONS INTENDED FOR USE IN THE TREATMENT OF NUTRITIONAL DISORDERS.
Claims use since Oct. 14, 1943.

Ser. No. 464,888. LEONARD JAMES COMPANY, San Saba, Tex. Filed Nov. 10, 1943.

VI-BETA

"Beta" is disclaimed apart from its association with the word "VI."
FOR VITAMIN PREPARATION.
Claims use since Jan. 17, 1940.

Ser. No. 465,783. HERBERT W. PATTON, doing business as The Sal-Oda Sales Co., Boston, Mass. Filed Dec. 15, 1943.

SAL-ODA

Applicant disclaims "Sal" apart from the mark.
FOR PREPARATION FOR THE TREATMENT OR RELIEF OF RHEUMATISM, NEURITIS, NEURALGIA, AND ARTHRITIS.
Claims use since July 3, 1917.

Ser. No. 465,866. ALFRED A. FLASTER, New York, N. Y. Filed Dec. 18, 1943.

Russian Sable

The word "Russian" is disclaimed apart from the mark.
FOR PERFUMES AND TOILET WATER.
Claims use since Mar. 17, 1942.

Ser. No. 465,916. GIMBEL BROTHERS, INC., New York, N. Y. Filed Dec. 20, 1943.

"INVITING"

FOR PERFUMES, COLOGNES, TOILET WATERS, SACHETS, FACE, BODY, TALCUM, AND SACHET POWDERS, LIPSTICKS, CREAM AND DRY ROUGE, EYEBROW PENCIL, EYE SHADOW, FOUNDATION CREAM AND LOTION, CAKE FINISH MAKE-UP, SKIN FRESHENER, HAND AND TONING LOTIONS, FACE CREAMS, LEG MAKE-UP, TOOTH PASTE, TOOTH POWDER, AND MOUTH WASH.
Claims use since Oct. 29, 1943.

Ser. No. 466,129. G. D. SEARLE & Co., Chicago, Ill. Filed Dec. 28, 1943.

Galacdin

FOR RADIOPAQUE SOLUTION FOR INTRAVENOUS PYELOGRAPHY.
Claims use since Dec. 10, 1943.

Ser. No. 466,337. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Jan. 5, 1944.

SANILOPE

FOR CHEMOTHERAPEUTIC PREPARATIONS IN SPECIAL PACKAGED FORM FOR PREVENTION AND TREATMENT OF STREPTOCOCCUS, STAPHYLOCOCCUS, AND OTHER PYOGENIC INFECTIONS.
Claims use since Nov. 19, 1943.

Ser. No. 466,924. ALFRED MOUNTFORD, Philadelphia, Pa. Filed Jan. 27, 1944.

A Mountford

The mark consists of applicant's signature.
FOR PREPARATION FOR USE IN THE TREATMENT OF RHEUMATISM.
Claims use since Jan. 1. 1914.

Ser. No. 467,063. SAMUEL BONAT & BRO., New York, N. Y. Filed Feb. 1, 1944.

Autumn Glow

The term "Glow" is disclaimed apart from the mark.
FOR HAIR AND PERMANENT WAVE LOTIONS.
Claims use since Jan. 12, 1944.

Ser. No. 467,064. SAMUEL BONAT & BRO., New York, N. Y. Filed Feb. 1, 1944.

Spring Glory

FOR HAIR AND PERMANENT WAVE LOTIONS.
Claims use since Jan. 12, 1944.

Ser. No. 467,065. CARTER PRODUCTS, INC., New York, N. Y. Filed Feb. 1, 1944.

CHITON

FOR COSMETIC DEODORANT AND ANTI-PERSPIRANT.
Claims use since Jan. 24, 1944.

Ser. No. 467,118. WILLIAM R. WARNER & Co. INC., Wilmington, Del., and New York, N. Y. Filed Feb. 2, 1944.

DURAGEL

FOR MEDICINAL PREPARATIONS FOR THE RATIONAL CONTROL OF GASTRO-INTESTINAL HYPERACIDITY.
Claims use since Jan. 11, 1944.

Ser. No. 467,194. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Feb. 5, 1944.

LAROCAL

FOR MEDICINAL PREPARATION RECOMMENDED FOR USE IN PROPHYLAXIS AND TREATMENT OF CONDITIONS WHERE CALCIUM AND VITAMINS ARE INDICATED.
Claims use since Jan. 10. 1944.

Ser. No. 467,241. HOUSEHOLD PRODUCTS INCORPORATED, Stamford, Conn. Filed Feb. 7, 1944.

Aer-Nu

FOR ODOR NEUTRALIZER.
Claims use since Jan. 21, 1944.

Ser. No. 467,288. F. B. CHAMBERLAIN COMPANY, East St. Louis, Ill. Filed Feb. 9, 1944.

CHAREM

FOR MEDICINAL PREPARATION FOR POULTRY.
Claims use since Jan. 4, 1944.

Ser. No. 467,818. ROCHE-ORGANON, INC., Nutley, N. J. Filed Feb. 28, 1944.

OSMENIN

FOR ESTROGENIC PREPARATIONS.
Claims use since Feb. 14, 1944.

CLASS 7

CORDAGE

Ser. No. 462,180. EMPIRE TWINE AND YARN CO. INC., New York, N. Y. Filed July 20, 1943.



The words "Seine Twine" and "New York" are disclaimed apart from the mark.
FOR SEINE TWINE.
Claims use since January 1929.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 467,390. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Cleveland, Ohio. Filed Feb. 14, 1944.

DupliMAT

FOR TYPEWRITER RIBBON.
Claims use since October 1937.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 459,960. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Apr. 17, 1943.

TP-2

ZEROCEL

FOR ROCKWOOL.
Claims use since 1939.

Ser. No. 459,961. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Apr. 17, 1943.

TP

ZEROCEL

FOR ROCKWOOL.
Claims use since 1939.

Ser. No. 459,962. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Apr. 17, 1943.

ZEROCEL

FOR ROCKWOOL.
Claims use since February 1932.

Ser. No. 466,414. PAGE & HILL CO., Minneapolis, Minn. Filed Jan. 8, 1944.

PENTA

FOR TREATED WOOD POLES FOR THE SUPPORT OF POWER LINES AND COMMUNICATION LINES.
Claims use since Sept. 5, 1941.

Ser. No. 466,428. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md. Filed Jan. 10, 1944.

FARM-RITE

FOR LIQUID ASPHALT AND ASBESTOS ROOF COATING.
Claims use since Nov. 23, 1943.

Ser. No. 466,532. INLAND STEEL COMPANY, Chicago, Ill. Filed Jan. 13, 1944.

INLAND HI-BOND

FOR RE-INFORCING STEEL BARS FOR USE IN CONCRETE CONSTRUCTION.
Claims use since Nov. 4, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 466,074. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y. Filed Dec. 27, 1943.

D★M

DURKEE ★ MARINE

Applicant disclaims the word "Marine" apart from the mark. Applicant is owner of Trade-Mark Certificate No. 377,322, granted Apr. 30, 1940, under the 10-year proviso.
FOR CORD PULLEYS, AWNING BLOCKS, ANCHOR TRIP HOOKS, OVERHAULING WEIGHTS, FLAGPOLE SOCKETS, SHAFT TAIL NUTS, MANHOLE PLATES, BUNKER PLATES, DECK PLATES, DECK IRONS, PIPE RAIL FITTINGS, PIPE FLANGES, RAIL CROSSES, HANDRAIL ENDS, STANCHIONS, LADDER CLIPS, RAIL HOOKS, METAL COUPLINGS FOR WOOD RAILS, LADDER HOOKS, RAIL BRACKETS, STANCHION SOCKETS, AWNING CLEATS, FLAGPOLE HOLDERS, AWNING SOCKETS, DEADEYES, LIZARDS, GENERAL PURPOSE RINGS, SCREW HOOKS, DECK HOOKS, CROTCH HOOKS, TURNBUCKLES, TOGGLES, SHACKLES, LINKS, SLING LINKS, TRIANGLE RINGS, SLING CHAIN AND SWITCH ROPE FORGINGS, LAP LINKS, S-HOOKS, SWIVELS, ANCHOR FISHHOOKS, MOORING HOOKS, RIDING EYES, CARGO HOOKS, SHANK HOOKS, ROPE THIMBLES, MATCH HOOKS, SWIVEL HOOKS, SNAP HOOKS, NAILS, SCREW EYES, LAMP HOOKS, LINE HOOKS, PLATE HOOKS, PLATE RINGS, HAMMOCK LINKS, DOOR HOOKS AND EYES, DOOR HOOKS AND PLATES, WINDOW SASH HOOKS, SLIDING DOOR HOOKS, EYEBOLTS, HALYARD GUIDES, LACING EYES, FLANGE EYES, DECK STRAPS, RING BOLTS, HITCHING RINGS, FERRULES, POLE BANDS, ROPE CLIPS, CLAMPS AND FASTENERS FOR LAUNCH TILLER ROPE, ROPE SOCKETS, SOCKET BOLTS, HOOK SOCKETS, SWIVEL SOCKETS, HINGES, EYE AND SIDE STUBS, ROD ENDS, AWNING ENDS, JAW TIPS AND STUBS, JAW ENDS AND SLIDES, SLIDE RODS, STUBS WITH BOLTS, FLAG TOGGLES, TENT SLIDES, PLATE BRACKETS, GROMMETS, DESK SLIDES, JACK CHAIN, TIE STAKES, BUOY RODS, CORD LINKS, DREDGE RINGS, BLIND STAPLES, CLINCH STAPLES, FENCE STAPLES, HASP STAPLES, NETTING STAPLES, SHELF BRACKETS, CORNER BRACES, METAL LETTERS AND FIGURES, KNOBS, DOOR HANDLES, PUSH PLATES, DOOR STOPS, CHECKS AND HOLDERS, SASH PINS, SASH PULLEYS AND ROLLERS, DOOR SHEAVES, SKYLIGHT QUADRANTS AND RAISERS, SASH LIFTS, DRAWER PULLS AND HANDLES, DOOR PULLS, TRAY HANDLES, LOCKER RINGS, FLUSH RINGS AND PULLS, HASPS AND STAPLES, COAT HOOKS, CEILING HOOKS, BINNACLE BELLS, JINGLE BELLS, BELL PULLS, FUNNELS, WALL SOAP DISHES, COMBINATION SOAP DISH AND GLASS HOLDERS, TOOTHBRUSH HOLDERS, TOWEL RACKS, MATCH HOLDERS AND TOILET PAPER HOLDERS, RAFTING DOGS, ICE CREEPERS, THREADED BOLTS, SCREWS, METAL WASHERS, NUTS, GLAZIERS' POINTS, TACKS, RIVETS, DOOR SPRINGS, LADLES, TOILET CLOSETS, LAVATORIES, BATH TUBS, SINKS, AIR AND PRIMING COCKS, CHECK VALVES, AIR VALVES, FLUSH VALVES, METERING VALVES, METAL PIPE AND METAL PIPE COUPLINGS, UNIONS, L'S AND T'S.
Claims use since Oct. 22, 1943; and since 1870 as to "Durkee."

Ser. No. 466,741. PHILADELPHIA STEEL AND WIRE CORPORATION, Philadelphia, Pa. Filed Jan. 20, 1944.

PHIL-ALLOY POWER PLUS SPRING WASHERS

No claim is made to the words "Alloy Spring Washers" apart from the mark.
FOR SPRING WASHERS.
Claims use since 1937.

Ser. No. 466,742. PHILADELPHIA STEEL AND WIRE CORPORATION, Philadelphia, Pa. Filed Jan. 20, 1944.

PHIL-ALLOY SPRING WASHERS

No claim is made to the words "Alloy Spring Washers" apart from the mark.
FOR SPRING WASHERS.
Claims use since 1937.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 464,214. BROOKS BROTHERS, New York, N. Y. Filed Oct. 18, 1943.



The picture is fanciful.
FOR SMOKING TOBACCO.
Claims use since Nov. 4, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 460,056. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio. Filed Apr. 21, 1943.

CAMTACTOR

FOR ELECTRIC CONTROLLERS OF ELECTRIC MOTORS FOR DRIVING PROPELLING APPARATUS IN MINE LOCOMOTIVES.
Claims use since July 31, 1941.

Ser. No. 460,951. CLEVELAND TUNGSTEN, INC., Cleveland, Ohio. Filed May 27, 1943.

Cleve-Tung

FOR PRODUCTS IN WHICH TUNGSTEN IS A PRINCIPAL INGREDIENT—NAMELY, TUNGSTEN ELECTRICAL CONTACTS, TUNGSTEN SEAL RODS FOR VACUUM AND GAS-FILLED TUBES, ELECTRICAL WIRES OF TUNGSTEN, AND PERMANENT ELECTRODES FOR WELDING.
Claims use since May 13, 1943.

Ser. No. 465,993. STAR ELECTRIC MOTOR COMPANY, Bloomfield, N. J. Filed Dec. 22, 1943.

STAR

FOR ELECTRIC MOTORS.
Claims use since Nov. 30, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 461,629. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed June 24, 1943.

TICK TOCK

The word "Toys" is disclaimed apart from the mark.
FOR ACTION TOYS MADE OF WOOD AND REPRESENTING VARIOUS ANIMALS, BIRDS, FISH, AND INSECTS AND DESIGNED FOR THE AMUSEMENT OF CHILDREN.
Claims use since Feb. 27, 1943.

Ser. No. 465,765. LEON A. SPIELMAN, Philadelphia, Pa. Filed Dec. 14, 1943.

JAP-BLASTER

FOR TOY MACHINE GUNS.
Claims use since Dec. 6, 1943.

Ser. No. 466,007. ISADORE DASHEVSKY, doing business as Beverly Novelty Co., Philadelphia, Pa. Filed Dec. 23, 1943.

E-Z-TONE

Applicant disclaims the word "Tone" apart from the mark.
FOR TOY KAZOOS.
Claims use since Dec. 13, 1943.

Ser. No. 466,792. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Jan. 22, 1944.

MAXIMUS

FOR FOOTBALLS, BASKET BALLS, STRIKING BAGS, BOXING GLOVES AND BASEBALL GLOVES.
Claims use since Dec. 29, 1943.

Ser. No. 466,875. EDGAR W. CLUTE, doing business as West-Craft Manufacturing Company, Chicago, Ill. Filed Jan. 26, 1944.

WEST-CRAFT

FOR TOY MINIATURE U. S. ARMY "JEEP" CONSTRUCTION KITS.
Claims use since October 1942.

Ser. No. 467,329. THE WEEZEL BAIT CO., Cincinnati, Ohio. Filed Feb. 10, 1944.

Rex Spoon

No claim is made to the word "Spoon" apart from the mark.

FOR FISHING LURES.

Claims use since June 13, 1940.

Ser. No. 467,342. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Feb. 11, 1944.

Lazy Bones

FOR STUFFED DOLLS AND TOY ANIMALS.

Claims use since Feb. 1, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 461,663. THE MAJESTIC COMPANY, Huntington, Ind. Filed June 25, 1943.



FOR MACHINISTS' CLAMPS, C CLAMPS, PARALLEL CLAMPS, VISES, AND LATHE DOGS.

Claims use since Jan. 15, 1915.

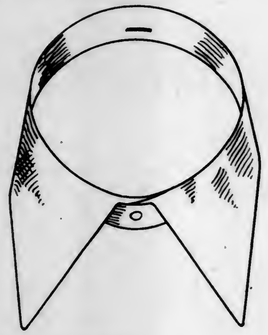
Ser. No. 465,955. PILKINGTONS LIMITED, Heywood, Lancashire, England. Filed Dec. 21, 1943.

DURWOOD

FOR LOOM SHUTTLES.

Claims use since 1925.

Ser. No. 466,609. EMPRÊSA DE LIMAS UNIÃO TOMÉ FÉTEIRA, LIMITADA, Vieira de Leiria, Marinha Grande, Portugal. Filed Jan. 15, 1944.



FOR FILES AND RASPS.

Claims use since December 1939.

Ser. No. 466,803. PICKWICK CORPORATION, Cedar Rapids, Iowa. Filed Jan. 22, 1944.



The terms "Cedar Rapids, Ia.", "Mod.," and "Ser." and the outline of the name plate are disclaimed apart from the mark.

FOR POULTRY PICKING MACHINES AND PARTS THEREOF.

Claims use since Feb. 10, 1941.

Ser. No. 467,006. RITE-WAY PRODUCTS CO., Chicago, Ill. Filed Jan. 29, 1944.

RITE WAY

FOR MILKER OUTFITS CONSISTING OF MILKING UNITS, VACUUM PUMP WITH TANK AND STERILIZING RACK.

Claims use since January 1926.

Ser. No. 467,187. FLEX BLADE WORKS, New York, N. Y. Filed Feb. 5, 1944.

RAYFLEX

FOR LAWN MOWER BLADES.

Claims use since Jan. 21, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 458,404. RAND MCNALLY & COMPANY, Chicago, Ill. Filed Feb. 8, 1943.

VICTORY

FOR TERRESTRIAL GLOBES, TERRESTRIAL GLOBE SUPPORTS OR BASES, AND PARTS THEREOF.

Claims use since Nov. 20, 1942.

Ser. No. 458,405. RAND MCNALLY & COMPANY, Chicago, Ill. Filed Feb. 8, 1943.



FOR TERRESTRIAL GLOBES, TERRESTRIAL GLOBE SUPPORTS OR BASES, AND PARTS THEREOF.

Claims use since Nov. 20, 1942.

Ser. No. 464,462. AMERICAN INSTRUMENT COMPANY, Silver Spring, Md. Filed Oct. 28, 1943.



The word "Superpressure" is disclaimed apart from the mark.

FOR SPECIALLY DESIGNED AUTOCLAVES, VALVES, FITTINGS, TUBING, CHAMBERS, PUMPS, COMPRESSORS, HEAT EXCHANGERS, RECEIVERS, AND PRESSURE TEMPERATURE, AND FLOW INSTRUMENTS AND CONTROLLERS, COMPRISING A SYSTEM AND SOLD AS SUCH, FOR HIGH PRESSURE TESTING AND RESEARCH IN DETERMINING PHYSICAL AND CHEMICAL PROPERTIES OF SUBSTANCES.

Claims use since Aug. 30, 1943.

Ser. No. 464,523. SUBMARINE SIGNAL COMPANY, Boston, Mass. Filed Oct. 29, 1943.



FOR ELECTRICAL APPARATUS FOR MEASURING DISTANCE AND DETERMINING DIRECTION BY ELECTROMAGNETIC WAVES.

Claims use since May 8, 1941.

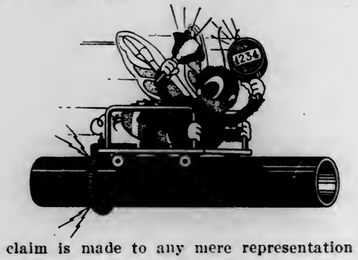
Ser. No. 464,950. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y. Filed Nov. 12, 1943.

Norelco

FOR TESTING APPARATUS FOR TESTING HERMETIC SEALS, AND X-RAY APPARATUS FOR INDUSTRIAL INSPECTION AND TESTING AND LABORATORY EXPERIMENTATION.

Claims use since Oct. 13, 1943.

Ser. No. 464,982. DICK E. STEARNS, Shreveport, La. Filed Nov. 13, 1943.



No claim is made to any mere representation of the goods or the manner of use thereof.

FOR APPARATUS FOR TESTING INSULATING COATINGS.

Claims use since Feb. 15, 1943.

Ser. No. 465,740. ALLEN B. DU MONT LABORATORIES, INC., Passaic, N. J. Filed Dec. 13, 1943.

Cyclograph

FOR INSTRUMENTS FOR EXAMINING METALS BY ELECTRICAL IMPULSES.

Claims use since Sept. 1, 1943.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 467,462. WILLIAM B. OGUSH, INC., New York, N. Y. Filed Feb. 16, 1944.

WOBO

FOR WATCH CASES, WATCHES, WATCH MOVEMENTS AND WATCH PARTS.

Claims use since Feb. 1, 1944.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 467,220. AIR COMFORT CORPORATION, Chicago, Ill. Filed Feb. 7, 1944.

FOODMASTER

FOR FREEZER STORAGE CABINETS, AND PARTS THEREOF.
Claims use since Jan. 17, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 454,509. JOSEPH H. MEYER BROS., Brooklyn, N. Y., assignor to Duranol Products, Inc., Brooklyn, N. Y., a corporation of New York. Filed July 25, 1942.

Duranol

FOR DISPLAY BINS, DISPLAY CABINETS, DISPLAY CASES, DISPLAY COUNTERS, DISPLAY SHELVES, DISPLAY STANDS AND DISPLAY TRAYS, HAT STANDS, AND SHOE RACKS OF WOOD, METAL, OR COMPOSITION.
Claims use since Jan. 1, 1935.

Ser. No. 464,904. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn. Filed Nov. 10, 1943.

Texfoam

FOR MATERIAL USED AS CUSHIONING SUPPORTS AND FILLERS IN UPHOLSTERED FURNITURE.
Claims use since Oct. 26, 1943.

Ser. No. 467,218. ADMIRAL CORPORATION, Chicago, Ill. Filed Feb. 7, 1944.

Admiral

FOR CABINETS FOR RADIOS, CABINETS FOR COMBINATION RADIOS AND PHONOGRAPHS, CABINETS FOR RECORD PLAYERS, AND CABINETS FOR PHONOGRAPH RECORDS.
Claims use since 1938.

CLASS 37

PAPER AND STATIONERY

Ser. No. 458,755. EQUITABLE PAPER BAG COMPANY, INC., Long Island City, N. Y. Filed Feb. 25, 1943.



The word "Dresspak" is disclaimed apart from the mark.
FOR PAPER WRAPPING SHEETS FOR PACKAGING DRESSES AND THE LIKE.
Claims use since December 1942.

Ser. No. 459,021. BYRON WESTON COMPANY, Dalton, Mass. Filed Mar. 11, 1943. Under section 5b of the act of 1905 as amended in 1920 as to "Weston."



Applicant is the owner of Reg. No. 114,310, effected under the 10-year proviso. No claim is made to the word "Paper" apart from the mark.
FOR LEDGER AND BOND PAPER.
Claims use since Feb. 27, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 465,463. MODERN PLASTICS INC., New York, N. Y. Filed Dec. 2, 1943.



FOR SECTION OF A PERIODICAL PUBLICATION.
Claims use since Sept. 11, 1942.

Ser. No. 465,808. DAVID HOFFMAN, New York, N. Y. Filed Dec. 16, 1943.

"DOG-ON"

FOR PICTURES.
Claims use since Jan. 18, 1943.

Ser. No. 466,419. THE AMERICAN GOLF FOUNDATION, Chicago, Ill. Filed Jan. 10, 1944.



FOR PUBLICATIONS ISSUED FROM TIME TO TIME BY THE AMERICAN GOLF FOUNDATION, OF EDUCATIONAL AND INSTRUCTIVE INFORMATION FOR GOLF EXECUTIVES RELATIVE TO GOLF CLUB PROMOTION, MANAGEMENT, AND OPERATION.
Claims use since Dec. 4, 1943.

Ser. No. 466,728. PRISCILLA H. DUNN, Columbia, S. C. Filed Jan. 20, 1944.

"THE ARMY WIFE"

FOR RADIO SCRIPTS PUBLISHED IN A CONTINUOUS SERIES AND SOLD AS A PUBLICATION IN TRADE.
Claims use since Oct. 20, 1943.

Ser. No. 466,784. DAVID C. COOK PUBLISHING COMPANY, Elgin, Ill. Filed Jan. 22, 1944.

Bibli-O-Graph

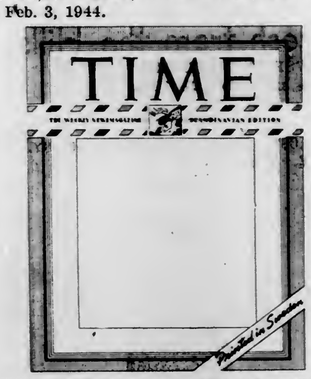
FOR PICTURE FORMING CUT-OUT SETS OF BIBLICAL SCENES ADAPTED FOR USE AS A VISUAL TEACHING PLAN.
Claims use since Dec. 22, 1943.

Ser. No. 466,850. SOLAR AIRCRAFT COMPANY, San Diego, Calif. Filed Jan. 24, 1944.

The SOLAR BLAST

FOR PERIODICALLY PUBLISHED HOUSE ORGAN.
Claims use since Jan. 31, 1940.

Ser. No. 467,140. TIME, INCORPORATED, New York, N. Y. Filed Feb. 3, 1944.



The words "The Weekly Newsmagazine—Scandinavian Edition—Printed in Sweden" and the map of Norway and Sweden are disclaimed apart from the mark. The drawing is lined for red. The color black is shown in solid color.
FOR WEEKLY MAGAZINE.
Claims use since Dec. 30, 1943.

Ser. No. 467,300. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Feb. 9, 1944.

COMICS SAMPLER

Applicant disclaims the word "Comics" apart from the mark.
FOR QUARTERLY PUBLICATION CONTAINING HISTORICAL CARTOONS.
Claims use since Jan. 13, 1944.

Ser. No. 467,314. THE CROSLEY CORPORATION, Cincinnati, Ohio. Filed Feb. 10, 1944.

TIME-CLOCKED NEWS

No claim is made to the word "News" except as shown.
FOR NEWSPAPER COLUMN, THE SUBJECT MATTER OF WHICH COMPRISES THE RADIO PROGRAMS OF A PARTICULAR STATION TOGETHER WITH THE TIME OF THEIR BROADCAST.
Claims use since Apr. 4, 1943.

Ser. No. 467,350. MODERN PLASTICS, INC., New York, N. Y. Filed Feb. 11, 1944.

PRODUCT DEVELOPMENT

FOR SECTION OF A PERIODICAL PUBLICATION.
Claims use since 1939.

Ser. No. 467,368. GRISWOLD NEWS SERVICE, New York, N. Y. Filed Feb. 12, 1944.

PLANNING

FOR PERIODICAL.
Claims use since Sept. 30, 1943.

Ser. No. 467,414. TRIBUNE COMPANY, Chicago, Ill. Filed Feb. 14, 1944.

Fresh from the Hills

FOR NEWSPAPER COLUMN.
Claims use since Nov. 21, 1943.

Ser. No. 467,687. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 23, 1944.



FOR SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME.
Claims use since Jan. 21, 1943.

CLASS 39

CLOTHING

Ser. No. 464,098. UNITED HOSIERY MILLS CORPORATION, Chattanooga, Tenn. Filed Oct. 12, 1943.

BUSTER BROWN

"Buster Brown" is the name of a fictional juvenile character, created by R. F. Outcault, which ran serially in a popular newspaper comic section during the early part of the twentieth century.

FOR BLOUSES, SUNSUITS, OVERALLS, CREEPERS, UTILITY OUTERWEAR SHIRTS MADE OF KNITTED FABRIC WITH A ROUND OR CREW NECK HAVING NO OPENING UP THE FRONT OR BACK, AND CARDIGANS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Sept. 21, 1943.

Ser. No. 465,217. WALDORF KNITTING COMPANY, New York, N. Y. Filed Nov. 22, 1943.



Applicant disclaims per se the border line of the hangtag.

FOR GLOVES MADE FROM FABRIC, KNITTED GLOVES, AND GLOVES MADE FROM FABRIC AND COMBINATIONS OF FABRIC AND LEATHER.
Claims use since August 1943.

Ser. No. 465,508. S. M. LEVY & SONS, New York, N. Y. Filed Dec. 4, 1943.



The word "Mademoiselle" is disclaimed apart from the mark.

FOR HANDKERCHIEFS.
Claims use since Jan. 2, 1939.

Ser. No. 465,611. MARCUS BREIER'S SONS, New York, N. Y. Filed Dec. 8, 1943.

UMBRELLA 

FOR MEN'S, WOMEN'S, AND BOYS' WEARING APPAREL—NAMELY, RAIN COATS, GOLF JACKETS, SKI JACKETS, SPORTS JACKETS, LEATHER AND SHEEPSKIN COATS, OVERCOATS, SWEATERS, MACKINAWS, SKI PANTS, SPORTS PANTS, SWIMMING TRUNKS, HATS, AND OUTER SHIRTS.
Claims use since Dec. 13, 1938.

Ser. No. 465,987. MORRIS LUFTIG, doing business as Superior Belt Company, Chicago, Ill. Filed Dec. 22, 1943.

PIC · POC · PRUF

The word "Pruf" is disclaimed except as shown.

FOR TROUSER BELTS EQUIPPED WITH AN INSIDE POCKET FOR MONEY.
Claims use since November 1932.

Ser. No. 466,403. RALPH A. BURKE, Oakland, Calif. Filed Jan. 8, 1944.

TRYLE WALK

FOR SHOES MADE OF LEATHER, FABRIC OR RUBBER AND COMBINATIONS OF SAID MATERIALS.
Claims use since Oct. 6, 1943.

Ser. No. 466,552. A. SAGNER'S SONS, Frederick, Md. Filed Jan. 13, 1944.



FOR MEN'S AND WOMEN'S COATS AND SUITS; MEN'S TROUSERS, DRESS AND WORK SHIRTS, AND NECKTIES.
Claims use since Nov 8, 1943.

Ser. No. 466,610. JOSEPH P. FAMOLARE, INC., Boston, Mass. Filed Jan. 15, 1944.

Bar-None

FOR SHOES MADE OF FABRIC AND LEATHER.
Claims use since Dec. 24, 1943.

Ser. No. 466,766. L. NACHMAN & SONS, Philadelphia, Pa. Filed Jan. 21, 1944.

SWIRL

FOR WOMEN'S AND MISSES' TEXTILE APRONS.
Claims use since Jan. 14, 1944.

Ser. No. 466,895. KAYS-NEWPORT, INC., Providence, R. I. Filed Jan. 26, 1944.

JOHNNY ZERO

FOR BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since August 1943.

Ser. No. 467,544. SPATZ BROS., INC., New York, N. Y. Filed Feb. 18, 1944.

THE GRASS HOPPER

FOR LADIES' RAINCOATS.
Claims use since Sept. 28, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 458,206. THE DUPLAN CORPORATION, New York, N. Y., assignor to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware. Filed Jan. 28, 1943.

GLASBESTEX

FOR PIECE TEXTILE FABRICS CONTAINING ASBESTOS AND FIBROUS GLASS.
Claims use since Jan. 18, 1943.

Ser. No. 463,331. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Sept. 10, 1943.

COTTON TOTS

"Cotton" is disclaimed apart from the mark.

FOR COTTON PIECE GOODS.
Claims use since July 14, 1943.

Ser. No. 464,248. N. ERLANGER, BLUMGART & CO. INC., New York, N. Y. Filed Oct. 19, 1943.

EARL-LURE

FOR FABRICS IN THE PIECE MADE OF RAYON AND ARTIFICIAL SILK.
Claims use since Oct. 8, 1943.

Ser. No. 464,249. N. ERLANGER, BLUMGART & CO. INC., New York, N. Y. Filed Oct. 19, 1943.

EARLON

FOR FABRICS IN THE PIECE MADE OF RAYON AND ARTIFICIAL SILK.
Claims use since Oct 8, 1943.

Ser. No. 466,748. ISIDORE SMITH, New York, N. Y. Filed Jan. 20, 1944.

Doveglow

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since June 15, 1935.

Ser. No. 467,086. CLARENCE S. BROWN & CO., INC., New York, N. Y. Filed Feb. 2, 1944.

TEXTILONICS

FOR COTTON PIECE GOODS, RAYON PIECE GOODS, AND PIECE GOODS MADE OF COTTON, RAYON, AND WOOL.
Claims use since Jan. 18, 1944.

Ser. No. 467,171. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Feb. 4, 1944. Under section 5b of the act of 1905 as amended in 1920.

DAN RIVER

Applicant is the owner of the registered trade-mark "Dan River," registration No. 73,905, dated June 1, 1909, and renewed, effected under the 10-year proviso.

FOR COTTON PLAIDS AND CHECKS IN THE PIECE OR IN CUT LENGTHS; COTTON SHEETINGS, SHEETS, PILLOW CASES, AND BOLSTER CASES; PIECE GOODS OF COTTON, AND MIXTURES OF RAYON AND COTTON USED AS SUITING OR TROUSERING MATERIALS.

Claims use to cotton plaids and checks since the year 1892; to sheeting and sheets since the year 1908; and to pillow and bolster cases and piece goods of cotton, and mixtures of rayon and cotton since at least 1940.

Ser. No. 467,172. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Feb. 4, 1944. Under section 5b of the act of 1905 as amended in 1920.

Dan River's

Warren

Applicant is the owner of Reg. No. 73,905, dated June 1, 1909, and renewed, showing the mark "Dan River," effected under the 10-year proviso. The name "Warren" is disclaimed apart from the mark.

FOR SHEETING, SHEETS, AND PILLOW CASES.

Claims use since Jan. 13, 1944; and since 1908 for "Dan River."

CLASS 43

THREAD AND YARN

Ser. No. 467,181. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Feb. 5, 1944.

ANGEL-LAINE

No claim is made to the word "Laine" per se.

FOR WOOL YARNS FOR ART NEEDLEWORK.

Claims use since Oct. 22, 1943.

Ser. No. 467,426. MARGO A. BUCKLEY, New York, N. Y. Filed Feb. 15, 1944.

Loyaltex

FOR YARNS.

Claims use since Jan. 21, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 459,540. FOREST CITY PRODUCTS, INC., Cleveland, Ohio. Filed Mar. 31, 1943.



No claim is made to the words "A Forest City Product" apart from the mark.

FOR CORN PADS, CALLOUS AND BUNION PADS, CORN FILES, BUNION PROTECTORS AND SHIELDS, MOLESKIN COATED WITH ADHESIVE FOR APPLICATION TO THE FEET TO PREVENT ABRASION, LAMB'S WOOL FOR INSERTION BETWEEN THE TOES TO KEEP THEM FROM RUBBING TOGETHER, TOE STRAIGHTENERS, TOE PROTECTORS, METATARSAL SUPPORTS, METATARSAL CUSHIONS, METATARSAL INSOLES, ARCH BANDS, ARCH SUPPORTS, ANKLE SUPPORTS, HEEL CUSHIONS, HEEL BALANCERS, HEEL CUPS, HEEL LINERS, ELBOW AND KNEE PADS TO PREVENT INJURY TO ELBOWS AND KNEES OF CHILDREN, ABSORBENT COTTON, ADHESIVE TAPE FOR THERAPEUTIC PURPOSES, GAUZE BANDAGES, GAUZE PADS, DENTAL FLOSS, COTTON APPLICATORS, AND FIRST AID KITS.

Claims use since Nov. 15, 1941.

Ser. No. 463,515. GAWMAL INCORPORATED, New York, N. Y. Filed Sept. 20, 1943.



FOR DENTAL ALLOYS.

Claims use since May 1, 1943.

Ser. No. 465,369. MARY M. QUERING, Chicago, Ill. Filed Nov. 29, 1943.

SINIX

FOR EYE SHIELDS AND SINUS COMPRESSORS.

Claims use since Nov. 24, 1943.

Ser. No. 466,915. H. D. JUSTI & SON, INC., Philadelphia, Pa. Filed Jan. 27, 1944.

Acrypélum

FOR ACRYLIC MATERIALS FOR FORMING DENTURE LINERS.

Claims use since Dec. 11, 1943.

Ser. No. 467,289. CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 9, 1944.



FOR DENTAL MATERIALS OF METHACRYLATE COMPOSITION USED IN MAKING PROSTHETIC RESTORATIONS, ARTIFICIAL TEETH, INLAYS, JACKET CROWNS, FACINGS AND VENEERS, AND TUBE TEETH.

Claims use since Nov. 9, 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 463,061. BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed Aug. 28, 1943.

Texlite

FOR POWDERED VEGETABLE SHORTENING CONTAINING SKIM MILK SOLIDS, VEGETABLE STABILIZER, AND CEREAL CONCENTRATE.

Claims use since July 29, 1943.

Ser. No. 463,121. FALK PRODUCTS CO., INC., Cadillac, Mich. Filed Aug. 31, 1943.

WHEATEX

FOR FLOUR SCIENTIFICALLY PROCESSED FROM A SPECIAL BLENDED WHEAT FLOUR FROM SELECTED GRAIN.

Claims use since 1925.

Ser. No. 465,599. GENERAL MILLS, INC., Minneapolis, Minn. Filed Dec. 7, 1943.



Applicant is the owner of trade-mark registration Nos. 208,869, 209,254, 272,446, and 373,119.

FOR FEED FOR ANIMALS—NAMELY, FEED FOR DOGS, FEED FOR CATTLE, FEED FOR SWINE, FEED FOR TURKEYS, FEED FOR POULTRY, FEED FOR RABBITS, FEED FOR FOXES, FEED FOR GOATS, AND FEED FOR SHEEP.

Claims use to feed for dogs since Sept. 4, 1942; to feed for cattle since Sept. 8, 1942; to feed for swine since Sept. 8, 1942; to feed for turkeys since Sept. 10, 1942; to feed for poultry since Sept. 24, 1942; to feed for rabbits since Feb. 2, 1943; to feed for foxes since Feb. 24, 1943; to feed for goats since Nov. 28, 1943; and to feed for sheep since Nov. 28, 1943.

Ser. No. 466,315. GEORGE YONEO TADANO, doing business as Showa Shoyu Brewing Co., Glendale, Ariz. Filed Jan. 4, 1944.

MARUSHO

FOR SOYA BEAN SAUCE FOR SEASONING FOOD.

Claims use since Dec. 2, 1941.

Ser. No. 466,473. ALLIED MILLS, INC., Chicago, Ill. Filed Jan. 11, 1944.

SUGARINE

FOR HORSE AND MULE FEED.

Claims use since Jan. 1, 1922.

Ser. No. 466,635. BAKER IMPORTING COMPANY, Minneapolis, Minn. Filed Jan. 17, 1944.

Bakoffee

FOR COFFEE EXTRACT.

Claims use since Sept. 23, 1943.

Ser. No. 466,872. ACME OLIVE COMPANY, INC., Los Angeles, Calif. Filed Jan. 26, 1944.

SAN LUCAR

FOR OLIVES PACKED IN TIN OR GLASS.

Claims use since Jan. 8, 1944.

Ser. No. 466,877. FACKLER, LANGFORD & TAYLOR, Meansville, Ga. Filed Jan. 26, 1944.

ALIMOSA

FOR CANNED FRUITS AND VEGETABLES.

Claims use since 1939.

Ser. No. 467,202. MEFFERD & NICKELL PRODUCE CO., Phoenix, Ariz. Filed Feb. 5, 1944.

TOP MARK

FOR FRESH VEGETABLES.

Claims use since Jan. 24, 1944.

Ser. No. 467,407. SELF & JANCIK, Pharr, Tex. Filed Feb. 14, 1944.

OVER 'N OVER

FOR FRESH VEGETABLES.

Claims use since Dec. 12, 1943.

Ser. No. 467,626. J. L. THOMPSON, doing business as J. L. Thompson Company, Somerton and Yuma, Ariz. Filed Feb. 21, 1944.

HUMDINGER

FOR FRESH VEGETABLES—NAMELY, LETTUCE.
Claims use since Feb. 2, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 467,076. SCHENLEY DISTRIBUTORS, INC., New York, N. Y. Filed Feb. 1, 1944.

CONVOY

FOR BRANDY.
Claims use since Jan. 5, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 462,699. GEORGE E. BELCHER COMPANY, Stoughton, Mass. Filed Aug. 13, 1943.

NOBBY

FOR SHOE TREES.
Claims use since September 1942.

Ser. No. 466,793. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 22, 1944.

KAVTEX

FOR COMPOSITION SOLING MATERIAL IN SHEET FORM.
Claims use since Dec. 20, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 18, 1944

406,654. CHEMICALS FOR DEVELOPING LINE AND HALF-TONE NEGATIVES. PHILIP A. HUNT COMPANY, Brooklyn, N. Y.
Filed January 13, 1940. Serial No. 427,433. PUBLISHED MARCH 19, 1940. Class 6.

406,655. CHEMICALS FOR DEVELOPING LINE AND HALF-TONE NEGATIVES. PHILIP A. HUNT COMPANY, Brooklyn, N. Y.
Filed October 8, 1940. Serial No. 436,726. PUBLISHED DECEMBER 17, 1940. Class 6.

406,656. AIR CONTROL VALVES FOR INCORPORATION IN VARIOUS CONTROL CIRCUITS OPERATING MACHINERY AND HANDLING EQUIPMENT. ROSS OPERATING VALVE COMPANY, Detroit, Mich.
Filed October 20, 1941. Serial No. 447,953. PUBLISHED JANUARY 18, 1944. Class 23.

406,657. AIR CONTROL VALVES FOR CONTROL OF VARIOUS CIRCUITS IN OPERATION OF MACHINERY AND HANDLING EQUIPMENT. ROSS OPERATING VALVE COMPANY, Detroit, Mich.
Filed October 20, 1941. Serial No. 447,954. PUBLISHED JANUARY 18, 1944. Class 23.

406,658. LADIES' AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. WOLFF-TOBER SHOE MANUFACTURING COMPANY, St. Louis, Mo.
Filed December 12, 1941. Serial No. 449,441. PUBLISHED JANUARY 4, 1944. Class 39.

406,659. PLUMBING AND STEAM-FITTING VALVES, METAL PIPE AND PIPE FITTINGS, RIVETS, NAILS, SCREWS, AND SCREW MACHINE PRODUCTS—NAMELY, NUTS AND BOLTS. METALS SUPPLY COMPANY, INC., Salt Lake City, Utah.
Filed January 12, 1942. Serial No. 450,166. PUBLISHED FEBRUARY 8, 1944. Class 13.

406,660. ALARM DEVICES, SPECIFICALLY, ELECTRICALLY OPERATED ALARM DEVICES USED ON AUTOMOBILES. THE AUTOMATIC ELECTRICAL DEVICES CO., Cincinnati, Ohio.
Filed February 16, 1942. Serial No. 450,997. PUBLISHED FEBRUARY 8, 1944. Class 21.

406,661. FLAMEPROOF, WEATHERPROOF STRUCTURAL INSULATING BOARD. THE SONOTHERM CORPORATION, Berkeley, Calif.
Filed May 11, 1942. Serial No. 452,942. PUBLISHED AUGUST 18, 1942. Class 12.

406,662. DAIRY, BAKERY, AND CONFECTIONER'S PRODUCTS—NAMELY, ALMOND PASTE; POWDERS—NAMELY, BAKING, FOOD BEVERAGE, COCOA, GELATIN DESSERT, ICE CREAM, MERINGUE, MILK, MALTED MILK, SKIMMED MILK, WHOLE MILK, BUTTERMILK, ETC. BESSIRE & COMPANY, INC., Indianapolis, Ind.; Louisville, Ky.; Columbus, Ohio; Atlanta, Ga.; Memphis, Tenn.; and Richmond, Va.
Filed July 22, 1942. Serial No. 454,394. PUBLISHED FEBRUARY 8, 1944. Class 46.

406,663. DOG AND CAT FOOD. MELVIN H. JACOBS, doing business as Fireplug Products, Chicago, Ill.
Filed September 11, 1942. Serial No. 455,481. PUBLISHED FEBRUARY 8, 1944. Class 46.

406,664. PLASTIC COMPOUND OR COMPOSITION FOR SOUND INSULATION; SAID COMPOUND TO BE SPRAYED, BRUSHED OR TROWELED UPON THE PANELS OR OTHER SURFACES TO BE INSULATED. SAM MOORE & COMPANY, Cleveland, Ohio.
Filed September 16, 1942. Serial No. 455,569. PUBLISHED FEBRUARY 8, 1944. Class 12.

406,665. DIAMOND-SET CUTTING, DRILLING, ABRADING, DRESSING, AND TRUING TOOLS, AND PARTS THEREOF AND DIAMOND-SET SLUGS THEREFOR. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed November 5, 1942. Serial No. 456,655. PUBLISHED JANUARY 18, 1944. Class 23.

406,666. CLEANING COMPOUNDS, IN GRANULAR, FLAKE, POWDER, PASTE AND LIQUID FORM, FOR CLEANING PURPOSES GENERALLY, AND IN PARTICULAR FOR LAUNDRY WORK, AND FOR REMOVING OIL AND GREASE FROM METAL, GLASS, WOOD, CONCRETE AND OTHER SOLID SUBSTANCES. RALPH D. MOYER, doing business as Alkem Products Company, Jersey City, N. J.
Filed November 28, 1942. Serial No. 457,102. PUBLISHED FEBRUARY 8, 1944. Class 4.

406,667. CLEANING COMPOUND HAVING INCIDENTAL POLISHING PROPERTIES FOR USE ON FURNITURE, AUTOMOBILES, WOODWORK, PAINTED WALLS, FLOORS, GLASS, AND PORCELAIN. JULIUS E. JOHNSON, doing business as J. E. Johnson & Co., Chicago, Ill.
Filed December 8, 1942. Serial No. 457,276. PUBLISHED MARCH 9, 1943. Class 4.

406,668. COMBINATION SOFT SOAP AND DETERGENT PASTE USED FOR REMOVING TARNISH FROM SILVER AND OTHER METALS. EDWARD H. HUFNAGEL, doing business as Norma Chemical Company, Mount Vernon, N. Y.
Filed January 1, 1943. Serial No. 457,706. PUBLISHED FEBRUARY 8, 1944. Class 4.

406,669. GAS BURNING COOKING AND HEATING STOVES AND RANGES. CALORIC GAS STOVE WORKS, Philadelphia, Pa.
Filed January 7, 1943. Serial No. 457,789. PUBLISHED FEBRUARY 8, 1944. Class 34.

406,670. INSULATED WIRES AND CABLES OF THE TYPE USED IN COMMUNICATIONS, INSTRUMENT WIRING AND OTHER INSTALLATIONS EXCEPT WIRING FOR ELECTRICAL LIGHT FIXTURES. THE WHITNEY BLAKE COMPANY, New Haven, Conn.
Filed February 5, 1943. Serial No. 458,363. PUBLISHED FEBRUARY 8, 1944. Class 21.

406,671. EXHAUST VALVES, INTAKE VALVES, BUSHINGS, SUPERCHARGER IMPELLER SHAFTS, ROCKER ROLLER HUBS, VALVE SPRING WASHERS, ETC. THOMPSON AIRCRAFT PRODUCTS CO., Euclid, Ohio.
Filed March 1, 1943. Serial No. 458,854. PUBLISHED JANUARY 25, 1944. Class 23.

406,672. FLEXIBLE SHAFTS, COMPONENTS THEREOF, PORTABLE POWER TOOLS DRIVEN BY FLEXIBLE SHAFTING AND ATTACHMENTS THEREFOR. STOW MANUFACTURING COMPANY, Binghamton, N. Y.
Filed March 8, 1943. Serial No. 458,973. PUBLISHED JANUARY 18, 1944. Class 23.

406,673. MULTIWAY VALVES, FUEL PUMPS, MANUALLY OPERABLE LEVER TYPE BOMB RELEASE MECHANISMS, ETC. AERO SUPPLY MFG. CO. INC., Corry, Pa.
Filed March 18, 1943. Serial No. 459,188. PUBLISHED JANUARY 18, 1944. Class 23.

406,674. MANUALLY OPERABLE LEVER TYPE CONTROL MECHANISMS FOR REGULATING THE FUEL FLOW, FUEL MIXTURE, AND SPARK TO ENGINES OF VARIOUS TYPES. AERO SUPPLY MFG. CO. INC., Corry, Pa.
Filed March 18, 1943. Serial No. 459,189. PUBLISHED JANUARY 18, 1944. Class 23.

406,675. GENTLEMEN'S TOILETRIES CONSISTING OF EAU DE COLOGNE, AFTER SHAVING LOTION, TALCUM POWDER, FACE POWDER, TOILET POWDER, HAIR LOTION, HAIR POMADE AND DEODORANT. PARFUMS CHARBERT, INC., New York, N. Y.
Filed April 26, 1943. Serial No. 460,195. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,676. DRILLS, REAMERS, AND CUTTERS. JAMES H. RICHARDS, doing business as Fray Tool & Reamer Co., Glendale, Calif.
Filed May 5, 1943. Serial No. 460,434. PUBLISHED JANUARY 18, 1944. Class 23.

406,677. WELL SUPPLIES—NAMELY, DEEP WELL CYLINDERS AND PLUNGERS. CLAYTON MARK & COMPANY, Evanston, Ill.
Filed May 10, 1943. Serial No. 460,529. PUBLISHED JANUARY 25, 1944. Class 23.

406,678. CABINETS FOR HOLDING FIRE EXTINGUISHERS OR THE LIKE. WILLIAM D. ROSSITER, doing business as Erie Supply & Equipment Company, Sandusky, Ohio.
Filed May 12, 1943. Serial No. 460,582. PUBLISHED FEBRUARY 8, 1944. Class 32.

406,679. SOLUTION COMPOSED LARGELY OF PECTIN FOR INTRAVENOUS ADMINISTRATION IN CASE OF SHOCK OR HEMORRHAGE. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed November 26, 1943. Serial No. 465,328. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,680. SHAMPOO. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio
Filed November 30, 1943. Serial No. 465,404. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,681. INSECTICIDES. GEIGY COMPANY, INC., New York, N. Y.
Filed December 1, 1943. Serial No. 465,426. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,682. CHEMICALS ADAPTED FOR THE REMOVAL OF SIZING MATERIALS FROM TEXTILE FABRICS. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J.
Filed December 1, 1943. Serial No. 465,433. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,683. TOOL STEEL AND TOOL STEEL ALLOYS. ZIV STEEL & WIRE CO., Chicago, Ill.
Filed December 1, 1943. Serial No. 465,443. PUBLISHED FEBRUARY 8, 1944. Class 14.

406,684. PERFUMES AND TOILET WATERS. LYNETTE COSMETICS, INC., New York, N. Y.
Filed December 7, 1943. Serial No. 465,606. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,685. NUMBER GAME PLAYED WITH PIECES OF CARDBOARD. RHOVA ROGGE, Sterling, Nebr.
Filed December 10, 1943. Serial No. 465,697. PUBLISHED FEBRUARY 8, 1944. Class 22.

406,686. FRESH VEGETABLES—NAMELY, CARROTS, SPINACH, TOMATOES, BEETS, SQUASH, EGG PLANT, POTATOES, CABBAGE, AND CORN. ERNEST D. WOFFORD, Pharr, Tex.
Filed December 9, 1943. Serial No. 465,675. PUBLISHED FEBRUARY 8, 1944. Class 46.

406,687. CLEANING AND SCOURING POWDER. HERVE BARIBEAU, doing business under the name of Baribeau & Fils, Levis, Quebec, Canada.
Filed May 20, 1943. Serial No. 460,750. PUBLISHED SEPTEMBER 28, 1943. Class 4.

406,688. CATTLE SIDE AND CALF UPPER LEATHER. ALBERT TROSTEL & SONS COMPANY, Milwaukee, Wis.
Filed June 24, 1943. Serial No. 461,642. PUBLISHED FEBRUARY 8, 1944. Class 1.

406,689. CANNED VEGETABLES. IOWA CANNING COMPANY, Vinton, Iowa.
Filed July 2, 1943. Serial No. 461,819. PUBLISHED SEPTEMBER 28, 1943. Class 46.

406,690. WRITING FLUID, TYPEWRITER RIBBONS, AND PRINTING INK. WALTER M. FUCHS, Detroit, Mich.
Filed July 3, 1943. Serial No. 461,846. PUBLISHED JANUARY 25, 1944. Class 11.

406,691. FRUITS, FRUIT COCKTAIL, AND FRUIT SALAD IN GLASS, CANNED FRUITS AND CANNED FRUITS FOR SALAD. BARRON-GRAY PACKING COMPANY, San Jose, Calif.
Filed July 5, 1943. Serial No. 461,862. PUBLISHED FEBRUARY 8, 1944. Class 46.

406,692. CLEANING FLUID. JOSEPH HANDLER, doing business as Mercer Oil and Chemical Company, Philadelphia, Pa.
Filed August 21, 1943. Serial No. 462,914. PUBLISHED FEBRUARY 8, 1944. Class 4.

406,693. PHARMACEUTICAL PREPARATION—NAMELY, A PREPARATION CONTAINING A MERCURATED PHENOL HAVING GERMICIDAL, ANTISEPTIC, AND DISINFECTANT PROPERTIES. SCHIEFFELIN & Co., New York, N. Y.
Filed September 16, 1943. Serial No. 463,444. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,694. METAL CLEANING COMPOUNDS. WILLIAM D. MACDERMID, doing business as W. D. MacDermid Chemical Co., Bristol, Conn.
Filed September 18, 1943. Serial No. 463,487. PUBLISHED FEBRUARY 8, 1944. Class 4.

406,695. LAUNDRY WASHING MACHINES. CONTINENTAL RADIO AND TELEVISION CORPORATION, Chicago, Ill., now by change of name Admiral Corporation.
Filed October 6, 1943. Serial No. 463,930. PUBLISHED FEBRUARY 8, 1944. Class 24.

406,696. AUSTRALIAN OPOSSUM, DRESSED AND/OR DYED, AND/OR BLENDED. ET-BANNER FURS, New York, N. Y.
Filed September 27, 1943. Serial No. 463,667. PUBLISHED FEBRUARY 8, 1944. Class 1.

406,697. WOMEN'S DRESSES, COATS, SUITS, HOSTESS GOWN, NEGLIGEES, PAJAMAS, BLOUSES, SCARFS, BEACH SHORTS, BATHING SUITS, SHORTS, AND BATHROBES AND BEACH ROBES. HATTIE CARNEGIE, INC., New York, N. Y.
Filed October 19, 1943. Serial No. 464,241. PUBLISHED JANUARY 4, 1944. Class 39.

406,698. SUGAR. THE SOUTH COAST CORPORATION, New Orleans, La.
Filed October 26, 1943. Serial No. 464,423. PUBLISHED FEBRUARY 8, 1944. Class 46.

406,699. SHOES MADE OF RUBBER, LEATHER, AND/OR FABRIC. THE FASHION BOOTERY, Seattle, Wash.
Filed October 28, 1943. Serial No. 464,480. PUBLISHED JANUARY 4, 1944. Class 39.

406,700. APPLE JUICE. JOHN C. MORGAN COMPANY, Traverse City, Mich.
Filed October 29, 1943. Serial No. 464,515. PUBLISHED FEBRUARY 1, 1944. Class 45.

406,701. VEHICLE MOUNTED BULK MATERIAL HANDLING AND LOADING APPARATUS. MIXERMOBILE MANUFACTURERS, Portland, Oreg.
Filed October 30, 1943. Serial No. 464,544. PUBLISHED JANUARY 25, 1944. Class 23.

406,702. HYDRAULIC DISHWASHING MACHINES. NUTONE, INCORPORATED, Cincinnati, Ohio.
Filed November 4, 1943. Serial No. 464,714. PUBLISHED FEBRUARY 1, 1944. Class 23.

406,703. BROOCHES, BAR PINS, SPRAY PINS, PENDANTS, LAVALIERES, LOCKETS, EARRINGS, BRACELETS, ANKLETS, RINGS, CUFF LINKS, TIE PINS, SCARF PINS, NECK CHAINS, WATCH CHAINS, NOT INCLUDING WATCHES, AND WRIST BANDS. LOUIS SICKLES, Philadelphia, Pa.
Filed November 4, 1943. Serial No. 464,727. PUBLISHED FEBRUARY 8, 1944. Class 28.

406,704. BROOCHES, BAR PINS, SPRAY PINS, PENDANTS, LAVALIERES, LOCKETS, EARRINGS, BRACELETS, ANKLETS, RINGS, CUFF LINKS, TIE PINS, SCARF PINS, NECK CHAINS, WATCH CHAINS, NOT INCLUDING WATCHES, AND WRIST BANDS. LOUIS SICKLES, Philadelphia, Pa.
Filed November 4, 1943. Serial No. 464,729. PUBLISHED FEBRUARY 8, 1944. Class 28.

406,705. POCKET WATCHES, WRIST WATCHES, BRACELET WATCHES, LAPEL WATCHES, DOCTORS' AND NURSES' WATCHES, ETC. LOUIS SICKLES, Philadelphia, Pa.
Filed November 4, 1943. Serial No. 464,730. PUBLISHED FEBRUARY 8, 1944. Class 27.

406,706. BROOCHES, BAR PINS, SPRAY PINS, PENDANTS, LAVALIERES, LOCKETS, EARRINGS, BRACELETS, ANKLETS, RINGS, CUFF LINKS, TIE PINS, SCARF PINS, NECK CHAINS, WATCH CHAINS, NOT INCLUDING WATCHES, AND WRIST BANDS. LOUIS SICKLES, Philadelphia, Pa.
Filed November 4, 1943. Serial No. 464,731. PUBLISHED FEBRUARY 8, 1944. Class 28.

406,707. PRINTING PRESS ROLLERS. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill.
Filed November 6, 1943. Serial No. 464,784. PUBLISHED JANUARY 18, 1944. Class 23.

406,708. VITAMIN AND MINERAL PRODUCT. EDWARD M. B. OWNEN, doing business as Hi-Lo Products, St. Louis, Mo.
Filed November 6, 1943. Serial No. 464,791. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,709. PERFUME. PARFUMERIE DE RAYMOND, New York, N. Y.
Filed November 6, 1943. Serial No. 464,792. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,710. DYNAMITE. ATLAS POWDER COMPANY, Wilmington, Del.
Filed November 9, 1943. Serial No. 464,847. PUBLISHED FEBRUARY 8, 1944. Class 9.

406,711. CULTIVATOR SHANKS AND SWEEPS. THOMAS H. MAYFIELD, Roby, Tex.
Filed November 9, 1943. Serial No. 464,859. PUBLISHED JANUARY 18, 1944. Class 23.

406,712. HIGH SPEED STEEL. THE MIDVALE COMPANY, Philadelphia, Pa.
Filed November 11, 1943. Serial No. 464,923. PUBLISHED FEBRUARY 8, 1944. Class 14.

406,713. FACIAL TISSUE, TOILET TISSUE, AND PAPER TISSUE HANDKERCHIEFS. A. E. MACADAM & Co., INC., Brooklyn, N. Y.
Filed November 13, 1943. Serial No. 464,976. PUBLISHED FEBRUARY 8, 1944. Class 37.

406,714. SCABICIDES. IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, Slough, Buckinghamshire, England.
Filed November 17, 1943. Serial No. 465,060. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,715. CANDY. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed November 20, 1943. Serial No. 465,184. PUBLISHED FEBRUARY 8, 1944. Class 46.

406,716. SOAPS. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed November 20, 1943. Serial No. 465,191. PUBLISHED FEBRUARY 8, 1944. Class 4.

406,717. GAME APPARATUS—NAMELY, DOMINOES; A DICE AND COUNTER GAME; GAME BOARDS WITH HOLES AND PEGS TO FIT IN THE HOLES, ETC. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed November 24, 1943. Serial No. 465,261. PUBLISHED FEBRUARY 8, 1944. Class 22.

406,718. OINTMENT USED IN THE TREATMENT OF BURNS AND SKIN LESIONS. THE E. L. PATCH COMPANY, Stoneham, Mass.
Filed November 24, 1943. Serial No. 465,268. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,719. BEER, ALE, AND PORTER. AMERICAN BREWING COMPANY OF ROCHESTER, NEW YORK, INC., Rochester, N. Y.
Filed November 26, 1943. Serial No. 465,307. PUBLISHED FEBRUARY 1, 1944. Class 48.

406,720. PREPARATION USED AS A VASOCONSTRICTOR HAVING LOCAL AND SYSTEMIC ACTION, FOR PROLONGING LOCAL ANESTHESIA AND FOR HEMOSTASIS, AS A DIURETIC AND/OR ANTIDIURETIC, TO LESSEN ASTHENIA, AND AS AN ANTISPASMODIC. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed November 26, 1943. Serial No. 465,327. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,721. PREPARATION USED FOR THE PREVENTION OF COMMON COLDS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed November 26, 1943. Serial No. 465,322. PUBLISHED FEBRUARY 1, 1944. Class 6.

406,722. OPHTHALMIC LENSES, EYE PROTECTION LENSES, BLANKS FOR SUCH LENSES, AND SUN GLASSES. AMERICAN LENS MFG. CO., Kansas City, Mo.
Filed December 3, 1943. Serial No. 465,471. PUBLISHED FEBRUARY 8, 1944. Class 26.

406,723. HOUSEHOLD REFRIGERATORS. THE JEWETT REFRIGERATOR CO., INC., Buffalo, N. Y.
Filed December 18, 1943. Serial No. 465,870. PUBLISHED FEBRUARY 8, 1944. Class 31.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,724. (CLASS 32. FURNITURE AND UPHOLSTERY.) S. KARPEN & BROS., Chicago, Ill. Filed Feb. 10, 1941. Serial No. 440,512.

Form Fit

FOR MATTRESSES, BOX SPRINGS, CUSHIONS, AND UPHOLSTERED FURNITURE.
Claims use since Jan. 2, 1941.

406,725. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE COMFY MANUFACTURING COMPANY, Baltimore, Md. Filed June 18, 1941. Serial No. 444,632.

E-Z-FIT

FOR FURNITURE SLIP COVERS.
Claims use since February 1941.

406,726. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE AMERICAN DISPLAY COMPANY, Dayton, Ohio. Filed Dec. 12, 1941. Serial No. 449,403.

Dunk's Swim-a-lure

FOR FISHING TACKLE—NAMELY, BAITS AND LURES.
Claims use since Apr. 4, 1941.

406,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH PACIFIC NUT GROWERS COOPERATIVE, Dundee, Oreg. Filed Aug. 24, 1942. Serial No. 455,081.

Tendermeat

FOR WALNUTS, SHELLED AND UNSHELLED.
Claims use since Oct. 1, 1940.

406,728. (CLASS 2. RECEPTACLES.) THE COLORADO MILLING & ELEVATOR CO., doing business as The Monte Vista Flour Mills, Denver and Monte Vista, Colo. Filed Dec. 31, 1942. Serial No. 457,676.

COLORADO

FOR BURLAP AND FABRIC BAGS SOLD IN TRADE EMPTY.
Claims use since August 1931.

406,729. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Feb. 15, 1943. Serial No. 458,521.

PERMA-SET

FOR PIECE GOODS OF COTTON, LINEN, SILK, RAYON, WOOL, AND MIXTURES THEREOF.
Claims use since Jan. 29, 1943.

406,730. (CLASS 39. CLOTHING.) MURRAY GOLDSTEIN, Los Angeles, Calif. Filed Feb. 24, 1943. Serial No. 458,731.

Vickie Joyce CALIFORNIA

FOR WOMEN'S SPORT DRESSES.
Claims use since Jan. 8, 1943.

406,731. (CLASS 32. FURNITURE AND UPHOLSTERY.) SAMUEL L. GROSSMAN, doing business as Reel Kumfurt Co., Los Angeles, Calif. Filed Apr. 28, 1943. Serial No. 460,243.

REEL KUMFURT

FOR FURNITURE—NAMELY, DIVANS.
Claims use since Oct. 15, 1942.

406,732. (CLASS 38. PRINTS AND PUBLICATIONS.) ROCHESTER ROPES, INC., Culpeper, Va. Filed Apr. 23, 1943. Serial No. 460,125.

THE ROPE MAKER

FOR A HOUSE ORGAN MAGAZINE PUBLISHED PERIODICALLY.
Claims use since September 1942.

406,733. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed June 21, 1943. Serial No. 461,539.

alden house

FOR WOMEN'S DRESSES, COATS, SKIRTS FOR OUTER WEAR, SUITS, HATS, FOUNDATION GARMENTS, CORSETS, AND SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS OF THE SAME.
Claims use since Jan. 15, 1943.

406,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOUSE OF HERBS, INC., Canaan, Conn. Filed Aug. 20, 1943. Serial No. 462,881.



HERB 'N' SPICE

FOR VINEGAR.
Claims use since Nov. 11, 1942.

406,735. (CLASS 38. PRINTS AND PUBLICATIONS.) DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Sept. 18, 1943. Serial No. 463,476.

WARPLANES OF THE WORLD

FOR MAGAZINE PUBLISHED QUARTERLY.
Claims use since Mar. 9, 1943.

406,736. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PANZER PACKING CO. INC., Baltimore, Md. Filed Sept. 27, 1943. Serial No. 463,702.

PANZER

FOR PICKLES, MAYONNAISE, AND SWEET PEPPER AND SWEET PICKLE RELISHES.
Claims use since Oct. 6, 1923.

406,737. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PANZER PACKING CO. INC., Baltimore, Md. Filed Sept. 27, 1943. Serial No. 463,703.

PANZER

FOR PICKLES, MAYONNAISE, AND SWEET PEPPER AND SWEET PICKLE RELISHES.
Claims use since April 1928.

406,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOY FOOD MILLS, Chicago, Ill., assignor to Soy Food Mills, Inc., Chicago, Ill., a corporation of Illinois. Filed Oct. 30, 1943. Serial No. 464,556.

The SOY BEAN TASTE SENSATION

FOR PREPARED MIX OF WHEAT AND SOY FLOUR FOR GRIDDLE CAKES, PANCAKES, AND WAFFLES, WITH INCIDENTAL USE IN MAKING COOKIES.
Claims use since Jan. 25, 1943.

406,739. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER H. BAUMANN, doing business as Wingless Chicken Company, Des Moines, Iowa. Filed Nov. 5, 1943. Serial No. 464,741.

WINGLESS CHICKEN COMPANY



FOR WINGLESS BABY CHICKS, HATCHING EGGS (CHICKS 90% WINGLESS), WINGLESS MALE AND FEMALE CHICKENS FOR BREEDING PURPOSES, AND DRESSED POULTRY FOR THE WHOLESALE AND RETAIL MARKET.
Claims use since January 1941.

406,740. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) OTTO NEISSER, JR., Los Angeles, Calif. Filed Dec. 18, 1943. Serial No. 465,874.

THIS IS A
NEISSER
PRODUCT

FOR DRUM PRACTICE PADS, MUSICAL INSTRUMENT MUTES AND MUFFLERS.
Claims use since Oct. 15, 1942.

406,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSTON FRUIT COMPANY, Santa Barbara, Calif. Filed Jan. 14, 1944. Serial No. 466,582.

Santa Barbara

FOR LEMONS.
Claims use since 1929.

406,742. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FACKLER, LANGFORD & TAYLOR, Meansville, Ga. Filed Jan. 26, 1944. Serial No. 466,878.

MERCEDES

FOR CANNED PIMENTOS.
Claims use since 1939.

TRADE-MARK REGISTRATIONS RENEWED

24,938. "882" AND DESIGN. PAPER OF EVERY DESCRIPTION. Registered July 3, 1894. ROBERT FLETCHER & SON. Re-renewed July 3, 1944, to Robert Fletcher & Son Limited, Stoneclough, near Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

24,962. OUR JACK. PERFUMERY, SACHET POWDERS, AND SOAP. Registered July 3, 1894. SOLON PALMER. Re-renewed July 3, 1944, to Solon Palmer, New York, N. Y., a corporation of New York, assignee.

179,174. INSULIN. A SUBSTANCE WHICH WILL EFFECT THE COMBUSTION OF THE CARBOHYDRATES IN THE ANIMAL BODY AND REMOVE THE CARDINAL OBJECTIVE SYMPTOMS OF DIABETES MELLITUS. Registered February 5, 1924. THE CONNAUGHT ANTITOXIN LABORATORIES, OF THE UNIVERSITY OF TORONTO, Toronto, Ontario, Canada. Renewed February 5, 1944.

179,794. TROJAN. WATER PRESSURE SYSTEMS, PUMPS, AND ENGINES, AND PARTS THEREFOR. Registered February 19, 1924. WALTER G. NOACK, Stockton, Calif. Renewed February 19, 1944.

179,826. PICNIC. CHEESE. Registered February 19, 1924. PABST FARMS, Summit and Oconomowoc, Wis., assignor to Pabst Holstein Farms. Renewed February 19, 1944, to Kraft Cheese Company of Wisconsin, Green Bay, Wis., a corporation of Wisconsin, assignee by mesne assignments.

179,991. "THE CRUCIBLE SOCK" AND DRAWING. HOSIERY FOR MEN. Registered February 19, 1924. NEWMAN & CO., New York, N. Y. Renewed February 19, 1944, to Isidor H. Cohen, Brooklyn and New York, N. Y., assignee by mesne assignments.

180,275. CHENEY'S. EXPECTORANT. Registered February 26, 1924. JNO. B. DANIEL, INC., Atlanta, Ga., a corporation of Georgia. Renewed February 26, 1944.

180,297. "OLD MILL" AND DRAWING. LARD SUBSTITUTE. Registered February 26, 1924. WYNNE LARD & PROVISION CO. INC., Norfolk, Va. Renewed February 26, 1944, to Lookout Oil & Refining Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

180,422. "ROGER & CO." AND DRAWING. JEWELRY—NAMELY, FINGER RINGS, PRECIOUS STONES, ORNAMENTAL PINS, WATCH CHAINS, NECK CHAINS, AND BRACELETS. Registered February 26, 1924. HARRY RATNER, Columbus, Ohio. Renewed February 26, 1944.

180,424. "FOUNTAIN" AND DRAWING. STENCIL INKS. Registered February 26, 1924. RICHARD E. BECKERT, doing business as S. M. Spencer Mfg. Co. Renewed February 26, 1944, to S. M. Spencer Mfg. Co., Boston, Mass., a corporation of Massachusetts, successor.

180,890. ALLY. CANNED SALMON. Registered March 11, 1924. WALTER DARRELL FRITH, Vancouver, British Columbia, Canada. Renewed March 11, 1944.

181,016. "CP" AND DESIGN. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY MACHINERY AND APPLIANCES, COMPRISING MILK VATS, PASTEURIZERS, MILK HEATERS, MILK HOLDERS, MILK COOLERS, MILK PUMPS, AND OTHER CERTAIN NAMED MACHINERY AND APPLIANCES. Registered March 11, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 11, 1944.

181,017. CP. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY MACHINERY AND APPLIANCES, COMPRISING MILK VATS, PASTEURIZERS, MILK HEATERS, MILK HOLDERS, MILK COOLERS, MILK PUMPS, AND OTHER CERTAIN NAMED MACHINERY AND APPLIANCES. Registered March 11, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 11, 1944.

181,018. "CP" AND DESIGN. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY MACHINERY AND APPLIANCES, COMPRISING MILK VATS, PASTEURIZERS, MILK HEATERS, MILK HOLDERS, MILK COOLERS, MILK PUMPS, AND CERTAIN OTHER NAMED MACHINERY AND APPLIANCES. Registered March 11, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 11, 1944.

181,029. VICTORIA. SOAP. Registered March 11, 1924. FREDERICK H. YOUNG, doing business as Frederick H. Young & Co. Renewed March 11, 1944, to Josephine A. Young, doing business as The Frederick H. Young Company, Toledo, Ohio, assignee by mesne assignments.

181,325. BELLEANNA. CANNED SALMON. Registered March 18, 1924. NEW ENGLAND FISH COMPANY, Boston, Mass. Renewed March 18, 1944, to New England Fish Company, Seattle, Wash., a corporation of Maine.

181,354. "GREEN MOUNTAIN" AND DRAWING. PREPARATION FOR THE TREATMENT OF ASTHMA. Registered March 18, 1924. J. H. GUILD COMPANY, Rupert, Vt., a corporation of Vermont. Renewed March 18, 1944.

181,388. "AMI". VENICE LACES, IMITATION OF HAND-MADE FILET LACES, IRISH LACES, DUCHESS LACES, AND POINT ROSE LACES IN THE PIECE. Registered March 18, 1924. SAMUEL EHRMAN CO. Renewed March 18, 1944, to Samuel Ehrman Co. Inc., New York, N. Y., a corporation of New York, assignee.

181,433. "KING'S CASTLE" AND DRAWING. WHEAT FLOUR. Registered March 18, 1924. H. H. KING FLOUR MILLS COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed March 18, 1944.

181,758. BARNEY & BERRY. ICE SKATES, ROLLER SKATES, AND PARTS THEREOF. Registered March 25, 1924. WINCHESTER REPEATING ARMS COMPANY. Renewed March 25, 1944, to Western Cartridge Company, New Haven, Conn., a corporation of Delaware, assignee by mesne assignments.

181,933. GEM. RADIO RECEIVING, DETECTING, AND TRANSMITTING SETS AND PARTS THEREOF. Registered April 1, 1924. GEM RADIO COMPANY. Renewed April 1, 1944, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia, assignee.

182,300. WHITE HEART. WHEAT FLOUR. Registered April 8, 1924. THE OKLAHOMA MILL CO. Renewed April 8, 1944, to Burrus Mill & Elevator Co. of Oklahoma, Kingfisher, Okla., a corporation of Oklahoma, assignee.

182,358. GOLD STANDARD. CANNED SALMON. Registered April 8, 1924. NEW ENGLAND FISH COMPANY, Boston, Mass. Renewed April 8, 1944, to New England Fish Company, Seattle, Wash., a corporation of Maine.

183,137. "SUPREME" AND PORTRAIT. HAIR SHAMPOOS, HAIR PREPARATIONS, AND BALMS, OILS, OINTMENTS, AND SALVES FOR THE FACE AND SKIN. Registered April 22, 1924. MADAM SALLIE L. WASHINGTON, Pittsburgh, Pa. Renewed April 22, 1944, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

183,204. CP. DAIRY. CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY APPLIANCES, COMPRISING MILK WEIGHERS, CREAM WEIGHERS, MILK TESTERS, CREAM TESTERS, ICE-CREAM-BATCH MEASURERS, AND BUTTER TESTERS. Registered April 22, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 22, 1944.

183,205. "CP" AND DESIGN. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY APPLIANCES, COMPRISING MILK WEIGHERS, CREAM WEIGHERS, MILK TESTERS, CREAM TESTERS, ICE-CREAM-BATCH MEASURERS, AND BUTTER TESTERS. Registered April 22, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 22, 1944.

183,206. "CP" AND DESIGN. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY APPLIANCES, COMPRISING MILK WEIGHERS, CREAM WEIGHERS, MILK TESTERS, CREAM TESTERS, ICE-CREAM-BATCH MEASURERS, AND BUTTER TESTERS. Registered April 22, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 22, 1944.

184,227. "BLACK FLAG" AND DRAWING. LIQUID INSECTICIDE. Registered May 20, 1924. GILPIN, LANGDON & COMPANY, INCORPORATED, Baltimore, Md. Renewed May 20, 1944, to Boyle-Midway Inc., Jersey City, N. J., a corporation of New Jersey, assignee by mesne assignments.

184,823. COLUMBIA. RADIO RECEIVING, DETECTING AND TRANSMITTING SETS AND PARTS THEREOF; CRYSTAL RECEIVING SETS, REGENERATIVE RECEIVING SETS, RADIO AND AUDIO FREQUENCY AMPLIFIERS, AND OTHER CERTAIN NAMED RADIO PARTS. Registered May 20, 1924. COLUMBIA GRAPHOPHONE MANUFACTURING COMPANY, Bridgeport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Renewed May 20, 1944, to Columbia Recording Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

184,695. HIGH LIFE. DAIRY FEED, CHICKEN FEED, AND STOCK FEED. Registered May 27, 1924. W. M. COSBY FLOUR & GRAIN CO. Renewed May 27, 1944, to Cosby-Hodges Milling Company, Inc., Birmingham, Ala., a corporation of Alabama, by change of name.

185,271. "SEAL OF QUALITY" AND DESIGN. CANNED SALMON. Registered June 10, 1924. NEW ENGLAND FISH COMPANY, Boston, Mass. Renewed June 10, 1944, to New England Fish Company, Seattle, Wash., a corporation of Maine.

185,693. VITOGRO. CHEMICAL FERTILIZER. Registered June 24, 1924. VITOGRO CHEMICAL COMPANY, Lowell, Mass. Renewed June 24, 1944, to Swift and Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

185,738. "ROBBIN HOOD" AND DRAWING. WHITE AND COLORED BUNTING IN THE PIECE. Registered June 24, 1924. NARWOOD BROS. Renewed June 24, 1944, to Emil Ofner, doing business as Narwood Brothers, Brooklyn, N. Y., successor.

185,822. "ANZORA VIOLA" AND DRAWING. PREPARATION FOR THE HAIR AND SKIN. Registered June 24, 1924. THE ANZORA PERFUMERY COMPANY LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed June 24, 1944.

186,125. VIGORO. FERTILIZER. Registered July 1, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 1, 1944.

186,162. "ANZORA CREAM" AND DRAWING. PREPARATION FOR THE HAIR AND SKIN. Registered July 1, 1924. THE ANZORA PERFUMERY COMPANY, LIMITED, Kilburn, London, England. Renewed July 1, 1944, to The Anzora Perfumery Company Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

186,343. "GOLDEN RULE" AND DRAWING. SHOE LACES AND BRAID. Registered July 8, 1924. HUGHES FAWCETT. Renewed July 8, 1944, to Hughes Fawcett, Inc., New York, N. Y., a corporation of New York, successor.

186,349. "CP" AND DESIGN. DAIRY, CREAMERY, MILK-PLANT, ICE-CREAM-FACTORY, REFRIGERATING-PLANT, AND ICE-MAKING-PLANT MACHINERY AND EQUIPMENT, COMPRISING MILK FILTERS, STRAINERS, ICE-CREAM-MIX COOLERS, ICE-CREAM FREEZERS, REFRIGERANT COMPRESSORS AND PARTS THEREFOR, AND REFRIGERANT VALVES AND FITTINGS. Registered July 8, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 8, 1944.

186,350. "CP" AND DESIGN. DAIRY, CREAMERY, MILK-PLANT, ICE-CREAM-FACTORY, REFRIGERATING-PLANT, AND ICE-MAKING-PLANT MACHINERY AND EQUIPMENT, COMPRISING MILK FILTERS, STRAINERS, ICE-CREAM-MIX COOLERS, ICE-CREAM FREEZERS, REFRIGERANT COMPRESSORS AND PARTS THEREFOR, AND REFRIGERANT VALVES AND FITTINGS. Registered July 8, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 8, 1944.

186,351. **CP.** DAIRY, CREAMERY, MILK-PLANT, ICE-CREAM-FACTORY, REFIGERATING-PLANT, AND ICE-MAKING-PLANT MACHINERY AND EQUIPMENT, COMPRISING MILK FILTERS, STRAINERS, ICE-CREAM-MIX COOLERS, ICE-CREAM FREEZERS, REFRIGERANT COMPRESSORS AND PARTS THEREFOR, AND REFRIGERANT VALVES AND FITTINGS. Registered July 8, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 8, 1944.

186,367. **SOLAR.** SOAP. Registered July 8, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 8, 1944.

186,369. **EL ALMODA.** SOAP. Registered July 8, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 8, 1944.

186,398. **"SUDZ" AND DRAWING.** SOAP. Registered July 8, 1924. WALTER H. FLOOD, doing business as Columbus Chemical Co., Chicago, Ill. Renewed July 8, 1944, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

186,643. **"THE AUSTIN METHOD" AND DESIGN.** STANDARD FACTORY BUILDINGS, INDUSTRIAL PLANTS, POWER HOUSES, WAREHOUSES AND DEPOTS, AND PARTIALLY-FABRICATED PARTS OF SUCH BUILDINGS, PLANTS, AND HOUSES, AND CERTAIN NAMED STRUCTURAL PARTS THEREFOR. Registered July 22, 1924. THE AUSTIN COMPANY, East Cleveland, Ohio. Renewed July 22, 1944, to The Austin Company, Cleveland, Ohio, a corporation of Ohio.

186,675. **NOVENA.** WHEAT FLOUR. Registered July 22, 1924. THE SOUTHWESTERN MILLING COMPANY INC. Renewed July 22, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

186,919. **KAKEBAKE.** OLEOMARGARINE. Registered July 22, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 22, 1944.

186,938. **"RED TOP" AND DRAWING.** LYE. Registered July 22, 1924. BROOKMAN MFG. CO., Chicago, Ill. Renewed July 22, 1944, to Champion Chemical Works, Incorporated, Albany, N. Y., a corporation of New York, assignee by mesne assignments.

187,109. **"WEST POINT" AND DRAWING.** WHITE AND COLORED BUNTING IN THE PIECE. Registered July 29, 1924. NARWOOD BROS. Renewed July 29, 1944, to Emil Ofner, doing business as Narwood Brothers, Brooklyn, N. Y., successor.

187,434. **"BERRY'S SHASTA SNOW" AND DRAWING.** SOAP FLAKES, SOAP AND WASHING POWDERS. Registered August 5, 1924. JAMES H. BERRY, Bakersfield, Calif. Renewed August 5, 1944, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

187,435. **"HOLCOMB PURITINE" AND DESIGN.** CLEANSING POWDER. Registered August 5, 1924. J. I. HOLCOMB MANUFACTURING COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed August 5, 1944.

187,564. **PARKSIDE.** LAWN-GRASS SEEDS. Registered August 5, 1924. J. OLIVER JOHNSON, INC. Renewed August 5, 1944, to J. Oliver Johnson Seed Company, Chicago, Ill., a corporation of Illinois, assignee.

187,676. **HY-LO.** OIL BURNING LANTERNS AND THE BURNERS AND METAL PARTS THEREOF. Registered August 12, 1924. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Renewed August 12, 1944.

187,683. **LUMCO.** HAIR TONIC AND SHAMPOO. Registered August 12, 1924. GEORGE B. LUMPKIN, doing business as Lumpkin Products Co., Kimball, Nebr. Renewed August 12, 1944.

187,715. **HOUSE OF LORDS.** PIPES, CIGAR AND CIGARETTE HOLDERS, POUCH TOBACCO BAGS, HUMIDORS, AND CIGAR AND CIGARETTE CASES. Registered August 12, 1924. SAMUEL GORDON, New York, N. Y. Renewed August 12, 1944.

187,744. **"GRETSCH" AND DESIGN.** MUSICAL INSTRUMENTS—VIZ, BANJOS, TENOR BANJOS, BANJO MANDOLINS, GUITARS, MANDOLINS, UKULELES, BANJO UKULELES, DRUMS, AND CLARINETS, AND PARTS THEREFOR. Registered August 12, 1924. The Fred Gretsch Manufacturing Co., Brooklyn, N. Y., a corporation of New York. Renewed August 12, 1944.

187,780. **REPRESENTATION OF A CROWN.** PENNYROYAL TABLETS; TANSY, COTTON ROOT, PENNYROYAL AND APIOL TABLETS, SPECIAL DOUBLE-STRENGTH TABLETS, AND SPECIAL FORMULA DOUBLE-STRENGTH TABLETS, THE SPECIAL DOUBLE-STRENGTH TABLETS AND THE SPECIAL FORMULA DOUBLE-STRENGTH TABLETS CONSISTING OF CERTAIN NAMED MEDICINAL MATERIALS, THE SPECIAL FORMULA DOUBLE-STRENGTH TABLETS BEING USED AS A REGULATOR FOR THE ALLEVIATION OF AMENORRHEA OR SUPPRESSED MENSES TO RELIEVE PERSISTANT AMENORRHEA OR MENSTRUAL IRREGULARITY CAUSED BY ACUTE FIBRILE, SYSTEMATIC DISEASE. Registered August 12, 1924. ROBERT J. PIERCE, INC., New York, N. Y., a corporation of New York. Renewed August 12, 1944.

187,802. **REPRESENTATION OF A QUAKER.** LYE. Registered August 12, 1924. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 12, 1944.

187,803. **REPRESENTATION OF A QUAKER.** LYE. Registered August 12, 1924. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 12, 1944.

187,816. **P-M TYPE.** METALLIC PACKINGS. Registered August 12, 1924. PAXTON-MITCHELL COMPANY, Omaha, Nebr., a corporation of Nebraska. Renewed August 12, 1944.

187,818. **SATINARA.** COTTON PIECE GOODS. Registered August 12, 1924. TURNER & WALLS. Renewed August 12, 1944, to Albert H. Vandam Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

187,837. **CHAMPION.** COIL DOOR SPRINGS. Registered August 12, 1924. SARGENT & COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed August 12, 1944.

187,838. **VICTOR.** COIL DOOR SPRINGS. Registered August 12, 1924. SARGENT & COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed August 12, 1944.

187,883. **INDO-LAC.** DRY GUMS AND LIQUID VARNISHES. Registered August 12, 1924. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Renewed August 12, 1944.

187,943. **"NATIONAL SPINNING COMPANY, INC.," AND DESIGN.** YARNS. Registered August 12, 1924. NATIONAL SPINNING COMPANY, INC., New York and Brooklyn, N. Y. Renewed August 12, 1944, to National Spinning Company, Inc., New York, N. Y., a corporation of New York.

188,049. **AMERICAN BEAUTY.** FRESH, PICKLED, SMOKED, AND CURED MEATS—NAMELY, SLICED BEEF, COTTAGE-STYLE BUTTS, SKINNED HAM, SELECTED BACON, MEAT (I. E., FRESH BEEF, FRESH PORK, FRESH VEAL, FRESH LAMB), AND OTHER CERTAIN NAMED MEAT PRODUCTS. Registered August 19, 1924. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed August 19, 1944.

188,064. **"MARCEL".** CORSETS. Registered August 19, 1924. ABRAHAM & STRAUS, INC., New York, N. Y. Renewed August 19, 1944, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York.

188,066. **"CORT" AND DESIGN.** MEN'S HATS. Registered August 19, 1924. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Renewed August 19, 1944.

188,089. **NESTLÉ.** CONDENSED MILK AND EVAPORATED MILK. Registered August 19, 1924. NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland. Renewed August 19, 1944, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, assignee.

188,122. **CIMCO.** WHEAT SHORTS, WHEAT BRAN, FANCY FEED, AND CHICKEN FEED. Registered August 19, 1924. City Mills Company, Columbus, Ga., a corporation of Georgia. Renewed August 19, 1944.

188,144. **PACKED WITH THE WIGGLE IN IT'S TAIL.** CANNED FISH. Registered August 19, 1924. NEW ENGLAND FISH CO., Boston, Mass. Renewed August 19, 1944, to New England Fish Company, Seattle, Wash., a corporation of Maine.

188,146. **CHARM.** HANDKERCHIEFS, TABLE COVERS, TOWELING, BEDSPREADS, CHEESE CLOTH, CAMBRIC LINING, AND RIBBON. Registered August 19, 1924. S. BLECHMAN & SONS, INC., New York, N. Y., a corporation of New York. Renewed August 19, 1944.

188,196. **DOROTHY-PERKINS.** WHEAT FLOUR, AND PARTICULARLY SELF-RISING FLOUR. Registered August 19, 1924. BALLARD & BALLARD CO., Louisville, Ky., a corporation of Kentucky. Renewed August 19, 1944.

188,348. **"S C" AND DESIGN.** PRECIOUS METALS IN THE FORM OF TUBES, PLATES, AND WIRE. Registered August 26, 1924. SIGMUND COHN. Renewed August 26, 1944, to Sigmund Cohn & Co., New York, N. Y., a partnership, assignee.

REISSUES

APRIL 18, 1944

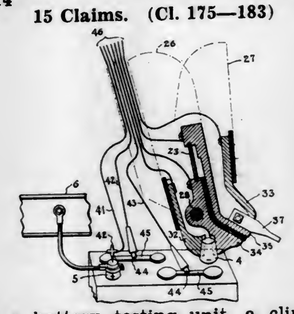
22,470

BATTERY TESTING APPARATUS

Benjamin F. W. Heyer, Tenafly, N. J., assignor to Knickerbocker Development Corporation, Belleville, N. J., a corporation of New Jersey

Original No. 2,254,846, dated September 2, 1941, Serial No. 294,736, September 13, 1939, which is a division of Serial No. 197,825, March 24, 1938. Application for reissue July 16, 1942, Serial No. 451,114

15 Claims. (Cl. 175—183)



1. In a battery testing unit, a clip therefor adapted to be applied to a battery during the making of a plurality of tests, said clip comprising, in combination, a pair of spring pressed members pivoted together, an electrode carried by one of said members and adapted to engage a battery post from which a cable clamp normally mounted thereon has been removed, a supporting member mounted on the same pivot as said spring pressed members, a second electrode carried by said supporting member and adapted to also engage said post, and a pressure member carried by one of said spring pressed members and adapted to receive between itself and the supporting member the removed cable clamp, whereby the post will be held in spring pressed engagement between said electrodes.

22,471

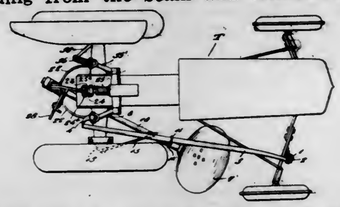
SIDE DISK TERRACING MACHINE

Homer Hollis, Lillie, La., assignor to G. A. Kelly Plow Company, Longview, Tex., a corporation of Texas

Original No. 2,295,898, dated September 15, 1942, Serial No. 402,673, July 16, 1941. Application for reissue September 13, 1943, Serial No. 502,171

13 Claims. (Cl. 97—47)

1. In a four wheel vehicle, an upright extending from the front axle thereof at one side thereof, a beam having its front end pivotally and swingably connected with the top end of the upright, a shaft, a disk connected for rotary movement with the front end of the shaft, a member depending from the beam and connected with



the front part of the shaft, means for rotatably supporting the rear end of the shaft, said shaft extending forwardly and outwardly with the disk located substantially between the front and rear wheels at one side of the vehicle and means for raising and lowering the beam.

22,472

TROLLEY WIRE HANGER

Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Original No. 2,239,792, dated April 29, 1941, Serial No. 294,909, September 14, 1939. Application for reissue April 1 1942, Serial No. 437,281

10 Claims. (Cl. 174—160)



3. An adjustable hanger for attachment to a span wire comprising, a body member having a substantially spherical projection on the upper side, a support member positioned below the wire having an opening therethrough with a substantially spherical recess at one end to receive the spherical projection of the body member, a member positioned above the span wire, and means for baising the members together to simultaneously grip the span wire and lock the spherical projection in fixed relation to the recess.

PLANT PATENTS

GRANTED APRIL 18, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

624

PEACH TREE

Virgil Gladstone McGuigan, Cedar Springs, Ontario, Canada, assignor to H. D. Smith & Sons, Limited, Winona, Ontario, Canada

Application June 26, 1943, Serial No. 492,455

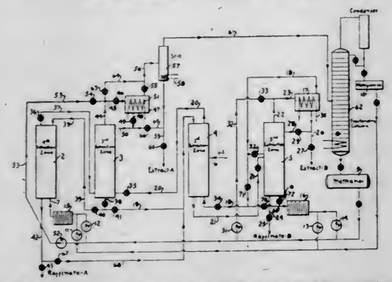
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, characterized as to novelty by its hardiness, vigorous growth, resistance to disease and insects, and regular heavy bearing habits; skin of attractive color and comparable to "Elberta" with regard to pubescence; fine flavor and texture of the meat; dry-free stone; excellent shipping, eating and canning qualities; and persistence of the fruit to hang on tree until thoroughly ripe, all substantially as shown and described herein.

PATENTS

GRANTED APRIL 18, 1944

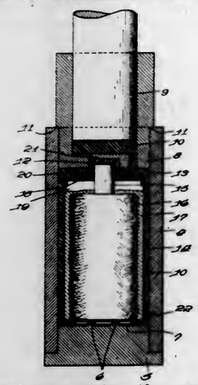
2,346,639
PROCESS OF SEPARATING HYDROCARBON MIXTURES
Chester E. Andrews, Overbrook, and Merrell R. Fenske, State College, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
Application April 19, 1940, Serial No. 330,478
15 Claims. (Cl. 196—13)



1. A continuous process of separating mineral oil into fractions which comprises flowing the oil in a first extraction zone countercurrently to a solvent comprised of a primary solvent and a modifying solvent containing extract from a second extraction zone, passing the raffinate from the said first zone through the second zone countercurrently to fresh solvent of relatively high dissolving capacity and containing a relatively large proportion of primary solvent, removing the raffinate thus formed from the system, treating the extract phase from the second zone to reduce the dissolving capacity of the solvent and to precipitate at least a part of the solute, and removing part of the precipitate from the system, returning the rest to the second zone, conducting the remainder of the extract phase to the first extraction zone, conducting the extract phase from the first zone to a third extraction zone and mixing it with an extract phase from a fourth extraction zone, combining any precipitate so resulting with the raffinate from the third zone to form an oil phase, conducting the said oil phase in part to the first zone and in part to the fourth zone, treating the oil phase in the fourth zone with a solvent of relatively low dissolving capacity containing a relatively lower proportion of primary solvent, and removing the raffinate thus formed from the system, conducting the extract phase from this zone to the third zone, removing the extract phase from the third zone, treating it to reduce the dissolving capacity and to precipitate the solute, removing part of the precipitate from the system and returning the rest to the third zone at a point near the withdrawal point of the extract phase from the third zone.

2,346,640
METHOD OF MAKING LEAKPROOF DRY CELLS
Herman R. C. Anthony, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application July 11, 1942, Serial No. 450,510
3 Claims. (Cl. 18—59)

1. The method of forming a leak-proof dry-cell, which comprises: placing a metal terminal member on the center of the bottom plate of a mold; placing a dry-cell in the center of the mold so as to rest on said terminal member in electrical contact therewith; closing the mold, without short circuiting the cell, with a top from which is recessed and lined with electrical insulating material to receive the outer end of the central electrode of the cell; and extruding thermoplastic molding material around the sides and top of said cell to form a hermetically sealed jacket and about both faces of the marginal edge portions at the metal terminal member for the cell.



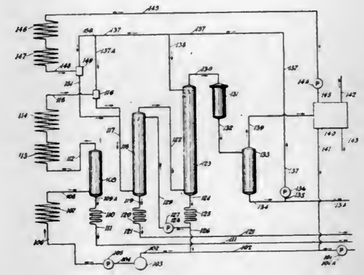
2,346,641
REFRIGERATION APPARATUS
John H. Ashbaugh, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 4, 1941, Serial No. 396,515
10 Claims. (Cl. 20—35)



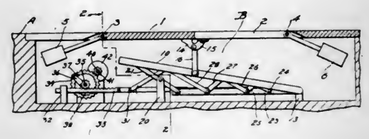
4. In a refrigerator cabinet, the combination of a thin, normally flat panel of relatively stiff heat-insulating material so positioned in the refrigerator cabinet that it is subjected to moisture on only one side thereof, and a rigid member secured to said panel to distort the same into a dished configuration with the side subjected to moisture forming the concave side of the panel to prevent bulging of the panel in the opposite direction, said rigid member being out of contact with the major portion of said panel.

2,346,642
PROCESS FOR THE PRODUCTION OF OLEFINS AND AROMATIC HYDROCARBONS
Dale F. Babcock, Elmhurst, and Arthur W. Larchar, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 30, 1937, Serial No. 182,408
5 Claims. (Cl. 260—668)

5. A process for the production of ethylene and aromatic hydrocarbons which comprises removing from a normally liquid hydrocarbon fraction higher boiling tarry materials that may be contained therein, cracking the hydrocarbon fraction at temperatures between 650° and 750° C. so as to form ethylene and aromatic hydrocarbons, separating from the cracked products the heavy oils and tarry materials produced, then separating the unconverted raw material and materials in approximately the same boiling range, also separating a light aromatic distillate fraction, and finally separating the resulting cracked gaseous products into the following fractions—a fraction containing hydrogen and methane, a second fraction containing ethylene, a third fraction containing the aromatic hydrocarbons, a fourth fraction containing predominantly ethane and C_3 and C_4 hydrocarbons, and a fifth fraction consisting of a mixture of C_4, C_5, C_6, and C_7 aliphatic hydrocarbons; cracking at a higher temperature the fourth fraction and recovering from said cracked fraction additional ethylene and aromatic hydrocarbons, and returning to the first cracking step the fifth fraction together with the unconverted raw material and constituents in approximately the same boiling range.

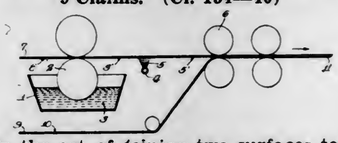


2,346,643
POWER GENERATING DEVICE
Lee A. Barnett, Los Angeles, Calif.
Application March 9, 1942, Serial No. 433,977
7 Claims. (Cl. 185—27)



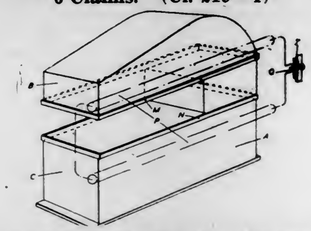
1. A power generating device for a roadway having a pit thereunder comprising, pivotally hung leaves spanning said pit level with the road surface, means yieldingly maintaining said leaves elevated to said road level, a post in said pit, an upper and a lower beam having one end on a common pivot on said post, a second post in the pit, a lever hung on said second post, elements on the ends of said lever held by and movable along said beams, means operatively interconnecting said leaves with the said upper beam to cause the latter to swing downward in response to depressions of the leaves thereby to swing said lever on its pivot to cause the lower beam to swing upward, and lazy-tongs means mounted on and between said beams for extension in response closing movement of the beams.

2,346,644
METHOD OF BONDING
Hans F. Bauer, Chicago, Jordan V. Bauer, Elmwood Park, and Don M. Hawley, Geneva, Ill., assignors to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 18, 1940, Serial No. 324,520
9 Claims. (Cl. 154—40)



1. In the art of joining two surfaces together, the steps which comprise, applying in a separate phase, to at least one of said surfaces, boric acid and a predominantly starchy amylaceous adhesive dispersed in water with an alkaline fluidity increasing agent, and bringing said surfaces together to effect a bond therebetween.

2,346,645
RESISTANCE WELDING MACHINE
John Wallis Bayles, Roker, Sunderland, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application March 3, 1943, Serial No. 477,857
In Great Britain April 14, 1942
6 Claims. (Cl. 219—4)

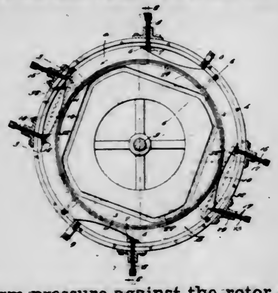


1. A resistance welding machine comprising a pair of arms extending on opposite sides of the space for the work, electrodes carried by the arms, welding current conductors leading from the electrodes along the arms, and at least one short-circuited loop of conducting material mounted adjacent the arms and the welding current conductors and each having a substantial projected area in a plane passing through it and through the welding current conductor.

2,346,646
ROTARY MOTOR
Edward Jerome Beech, Sumas, Wash.
Application August 28, 1941, Serial No. 408,674
1 Claim. (Cl. 123—14)

In a rotary engine, a casing, a rotor in said casing having concave peripheral pockets therein circumferentially spaced around said rotor and forming together with the inner wall of the casing fuel containing chambers, means coacting with said pockets in one direction of rotation of said rotor to cause suction in said chambers and including a fuel inlet port in one side of the casing through which fuel is drawn into said chambers under the action of suction created therein, abutments slidably mounted in said casing in advance of said first means operative to enter said pockets as the latter are rotated past the same to form partitions therein forcing the fuel in said chambers rearwardly and thereby compressing the same, means providing for passage of the

compressed fuel from said chambers from the rear of the partitions back into the chambers in front of the partition, means to ignite such fuel within said by-passing means, and means for variably tensioning said abutments to cause the same to ride on said rotor and enter said pockets



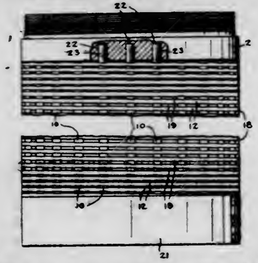
with uniform pressure against the rotor and bottoms of the pockets comprising caps at the outer ends of the abutments, cam grooves in the opposite sides of the rotor, arms slidably mounted on opposite sides of the casing and provided with angular ends projecting into said grooves, and springs connecting said arms to said caps.

2,346,647

WELL SCREEN

Ernest W. Bennison, St. Paul, Minn., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn.

Application November 28, 1940, Serial No. 367,533
3 Claims. (Cl. 166—8)



1. A well screen comprising sets of longitudinal and circumferential members, the members of each set being circular in cross-section, the members of one set being closely spaced to form drainage slots, the members of the other set being widely spaced to form supports for the closely spaced set, the longitudinal members being provided with sets of aligned transverse parallel-walled grooves, the set of circumferential members having the portions within said grooves narrower than the normal transverse extent thereof and being held to unite the two sets of members into a rigidly interconnected structure by compression contact of side portions of the circumferential members with the sides of said grooves caused by forging the groove contacting portions of the circumferential members upon and against the side walls of said grooves.

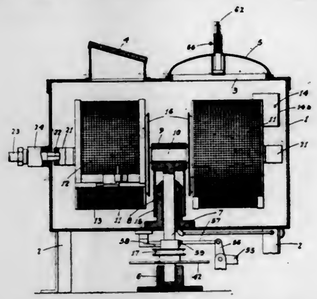
2,346,648

DRY CLEANING MACHINE

Le Roy E. Berry, Stockton, Calif.

Application September 30, 1940, Serial No. 358,989
10 Claims. (Cl. 68—25)

1. A cleaning machine including a pair of axially alined and spaced foraminous cylinders for the reception of fabrics to be cleaned, means mounting the cylinders as a unit for rotation about their axis in a horizontal plane and also about a vertical axis disposed centrally between the cylinders, a horizontal axially movable drive shaft mounted in a fixed position radially of said vertical axis and normally clear of the horizontal circular path of the cylinder unit, axially located elements on the opposite ends of the cylinders for separate engagement with the adjacent end of the



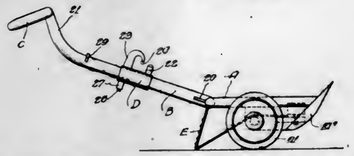
shaft in driving relationship, manually operable means to advance the shaft into engagement with an element, means to spin the unit about said vertical axis, manual means to control the operation of the spinning means, and manually actuated means operable when the spinning means is out of operation to both positively turn the unit to and hold the same against movement from a position axially alined with the drive shaft; said last named means including a single member movable in one direction to effect such turning and holding of the unit.

2,346,649

BARREL TRUCK

Frank J. Bilek and Frank Plecki, Chicago, Ill., assignors, by mesne assignments, to The Globe Company, (formerly Gambill Motor Company, Inc.), Chicago, Ill., a corporation of Illinois

Application May 2, 1942, Serial No. 441,516
11 Claims. (Cl. 214—65.4)



2. A two-wheel barrel truck of the class described having a U-shaped frame and having a post secured to the middle of the bend of said frame and extending therefrom at an obtuse angle, side plates welded to and depending from the legs of said frame, a tubular axle housing extending transversely of and welded to said plates, axle means within said housing, means carried by said housing and engaging said axle to constrain it against endwise movement, wheels journaled on said axle means, a bowed member arranged transversely of the frame with its ends welded to the legs thereof adjacent the free ends of the same, a strap member welded to said bowed member and to said axle housing and to said frame member and having a deflected portion between the housing member and its connection to the frame constituting a leg or support for the truck when in a horizontal position.

2,346,650

ALLAYING AND BINDING COAL PARTICLES OR DUST AND THE LIKE

Leopold F. Bornstein, Wilmington, Del.

No Drawing. Application August 28, 1941, Serial No. 408,180
1 Claim. (Cl. 44—6)

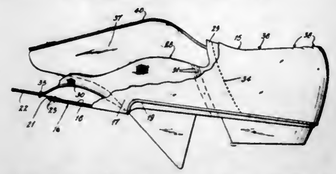
The method of treating coal in bulk with a solution of urea-formaldehyde resin of the water-soluble cold-setting type which consists of 35-45% urea-formaldehyde resin solids with 65-55% water, and suitably coating the solution over the coal in bulk, with resultant formation of an adherent weather and water resistant protective covering thereover.

2,346,651

METHOD OF MAKING SHOES

Samuel Bown, St. Louis County, Mo., assignor to International Shoe Company, St. Louis, Mo., a corporation of Delaware

Application March 24, 1941, Serial No. 384,825
3 Claims. (Cl. 12—142)



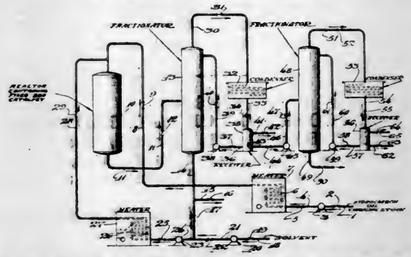
1. A method of making a shoe comprising providing a laminar upper including an elastic area in the forward portion thereof and securing to the rear thereof, behind the elastic area, a partially temporary skeleton member including a forwardly extending element which extends beyond the forward end of the laminar upper, draping the assembly over a last, stretching the laminar upper until the elongation substantially equals a predetermined length of the member, providing by the lasting a predetermined toe spring, completing the lasting with the laminar upper thus stretched, and removing the last to permit the stretched portion of the laminar upper to contract, the predetermined toe spring aforesaid having been so related to the elasticity of the upper that upon removal of the last the contraction of the upper gives to the toe an exaggerated spring.

2,346,652

CATALYTIC CONVERSION OF HYDROCARBONS

Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application August 16, 1941, Serial No. 407,122
3 Claims. (Cl. 196—52)



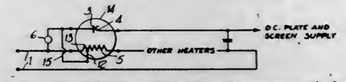
2. In the catalytic conversion of hydrocarbons during passage thereof through a bed of catalyst upon which carbonaceous matter normally deposits, the improvement which comprises passing through the catalyst bed, during the hydrocarbon conversion therein, a refractory liquid comprising a halogenated polynuclear compound.

2,346,653

THERMIONIC DEVICE AND CIRCUIT INCLUDING THE SAME

George W. Baker, New York, N. Y., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware

Application February 1, 1939, Serial No. 253,958
14 Claims. (Cl. 250—27)



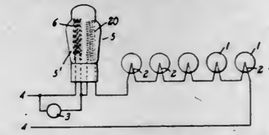
11. In a radio set having vacuum tubes with heaters, a circuit in which said heaters are connected in series across a source of power, a dial light connected across a portion only of one of said heaters, said heater having a longer thermal lag than the heaters of the remainder of said tubes in said radio set.

2,346,654

HEATING FILAMENT CIRCUIT

Edgar J. Leuthold, Newark, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware

Continuation of application Serial No. 154,419, July 17, 1937. This application November 24, 1939, Serial No. 306,029
8 Claims. (Cl. 250—27)



1. A resistance unit for protecting a pilot lamp connected in circuit in series with radio tube heating filaments, comprising a resistance wire element enclosed in an evacuated bulb and adapted to be connected in circuit in parallel with said pilot lamp, said wire having a positive temperature coefficient and having therearound a refractory electrical insulating body of relatively large volume in thermal relation therewith the ratio of the thickness of the insulating body to the diameter of said wire being greater than the ratio of the thickness of the coating on each heating filament to the diameter of such filament and so related thereto as to first delay the heating of the resistance wire up to its normal operating temperature at the initial closing of the circuit and then to permit a rise to the normal operating temperature and resistance thereof.

2,346,655

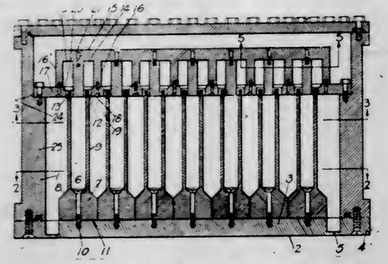
ELECTRODYNAMIC VIBRATOR

Hugo Benioff, La Canada, Calif., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application April 18, 1941, Serial No. 389,209
5 Claims. (Cl. 177—386)

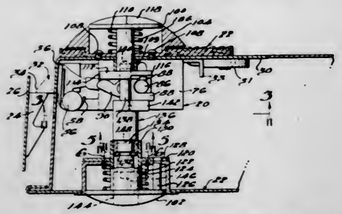
1. A device for producing or receiving compressional waves comprising, in combination, a casing having a radiating plate, a plurality of electrodynamically driven resonant vibrator units each comprising a solid metallic base element

having a large mass comparative to the rest of the resonant unit, each such base element being rigidly mounted within said casing on said radiating plate, said units each having a comparatively thin tube extending from the base and having at its free end a driving coil, said tube comprising the elastic element of the vibrator and



said base element being substantially inelastic in the operation of the vibrator, the combined elements forming with the radiating plate a half wave length resonant vibrating system means providing a magnetic field in which each of said coils is positioned whereby said device may be used for sound transmission and sound reception.

2,346,656
LATCH MECHANISM
Frank P. Berghoff, La Fayette, Ind.
Application July 18, 1941, Serial No. 403,031
21 Claims. (Cl. 292—192)



20. In a latch structure, a bolt having relatively movable portions, means supporting said bolt for movement between retracted and projected positions, a member movable between a first position in which it is effective to control relative movement between said portions and a second position in which it is ineffective to effect such control, and means rendered effective by movement of said bolt for moving said member between said positions.

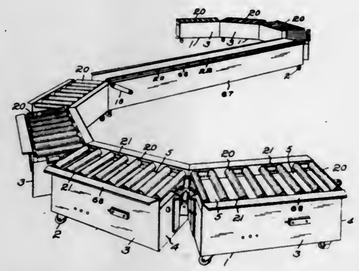
2,346,657
TREATMENT OF BUTANE
Herman S. Bloch and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 16, 1939, Serial No. 256,760
4 Claims. (Cl. 260—683.2)

3. A process for producing isobutene and normal butenes which comprises subjecting normal butane, at a temperature in the approximate range of 900–1100° F., to the simultaneous action of a dehydrogenating catalyst comprising aluminum and chromium oxides and an isomerizing catalyst comprising a calcined mixture of hydrogels of silica and zirconia.

2,346,658
CORROSION RESISTANT COATING
Joseph B. Brennan and Leona Marsh, Euclid, Ohio; said Marsh assignor to said Brennan
No Drawing. Application December 2, 1938, Serial No. 243,542
8 Claims. (Cl. 204—58)

1. The method of forming corrosion resistant coatings on aluminum which includes the steps of subjecting the aluminum to electrolysis as an anode in an aqueous solution of a potential condensation product of urea and formaldehyde having boric acid and ammonium hydroxide added thereto and carrying out the electrolysis at a voltage such that sparking takes place on the surface of the aluminum.

2,346,659
MERCHANDISE CONVEYER
John K. Bruce, Randolph, Mass.
Application January 28, 1941, Serial No. 376,314
11 Claims. (Cl. 198—92)

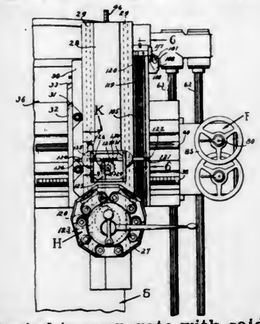


1. A merchandise conveyer assembly unit comprising a plurality of single merchandise carrying units adapted to carry merchandise from station to station and simultaneously and thereafter move the merchandise from one single unit to another like unit in the assembly unit for more convenient delivery, said assembly unit comprising a plurality of units each having wheels and coupling means, each unit provided with a housing, a merchandise carrying roll motor therein, a series of coupled merchandise carrying rolls operated by said motors; a detachable space bridging cradle and a package-directing-roll thereon between each two units and supported in elements movable laterally and automatically with curved movement of the units to bisect the angle and position said roll between two angularly positioned unit conveyers, and means on each said unit to operably connect its motor to a source of power and also to a second unit motor in the series, the merchandise carrying rolls on said units forming a series of cooperating merchandise carrying rolls the length of the assembly unit, and a tractor motor on one unit and means to connect it to a source of power.

2,346,660
FEED CONTROL FOR MACHINE TOOLS
Edward P. Bullard, III, Fairfield, and Leroy E. Alvey and Paul H. Lange, Bridgeport, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application October 31, 1939, Serial No. 302,196
24 Claims. (Cl. 74—346)

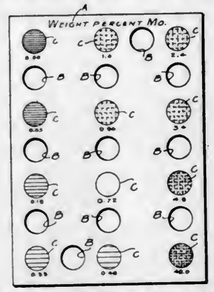
1. Apparatus comprising a clutch adapted to be shifted from one axial position to another axial position; a yoke connected to said clutch

having an arm supporting a roller; an oscillatable sleeve having a peripheral cam groove adapted to receive said roller; abutments located on opposite sides of means adapted to cooperate with said sleeve; a reciprocable member having



means adapted to cooperate with said abutments to move said sleeve to position said clutch substantially midway between said axial positions; and a fluid operated thrustor adapted to move said reciprocable member.

2,346,661
ESTIMATING MOLYBDENUM CONTENT OF SCHEELITE OR CALCIUM TUNGSTATE BY VISUAL COLOR OF ITS FLUORESCENCE
Ralph S. Cannon, Jr., Falls Church, Va., and Kiguma J. Murata, Washington, D. C.
Application October 12, 1942, Serial No. 461,830
15 Claims. (Cl. 250—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of rapidly estimating the molybdenum content of scheelite which consists in exposing a sample of the scheelite to a range of ultra-violet light comprising wave lengths lying in the range of 2000 to 3000 Angstrom units, and determining the extent to which its fluorescence color departs from blue through white toward yellow, which reflects and thus indicates the molybdenum content of the scheelite.

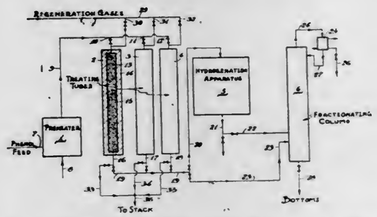
2,346,662
SUPPRESSION OF METAL CATALYSIS
Joseph A. Chenicek, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 8, 1940, Serial No. 328,523
23 Claims. (Cl. 44—73)

1. A process for suppressing the catalytic effect of metal compounds on hydrocarbon distillate which comprises adding to said distillate a relatively minor portion of a metal-free condensation product of an orthohydroxy aromatic aldehyde and a primary alkane mono-amine.

2,346,663
SUPPRESSION OF METAL CATALYSIS
Joseph A. Chenicek, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 8, 1940, Serial No. 328,524
21 Claims. (Cl. 44—73)

1. A process for suppressing the catalytic effect of metal compounds on hydrocarbon distillate which comprises adding to said distillate a relatively minor portion of a condensation product of an orthohydroxy aromatic aldehyde and a primary alkanol amine.

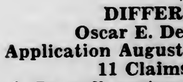
2,346,664
SURREFINING OF COAL-TAR DERIVATIVES AND THE LIKE
Ben Bennett Corson, Swissvale, Pa., assignor to Koppers Company, a corporation of Delaware
Application July 28, 1941, Serial No. 404,317
8 Claims. (Cl. 260—627)



1. A process of sur-refining a phenol containing approximately .02 of sulphur which comprises, passing the same through a body of copper absorbent produced by dispersing a copper compound on an inert porous carrier and then reduced to metallic copper by means of hydrogen and heat.

2,346,665
ACID
Martin Eli Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 8, 1940, Serial No. 334,068
14 Claims. (Cl. 260—500)

1. An organic dihydroxamic acid wherein the two hydroxamic acid,

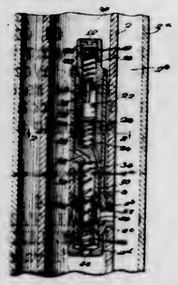


groups are separated by a chain of at least four carbon atoms.

2,346,666
DIFFERENTIAL VALVE
Oscar E. Dempsey, Tulsa, Okla.
Application August 24, 1942, Serial No. 456,105
11 Claims. (Cl. 103—232)

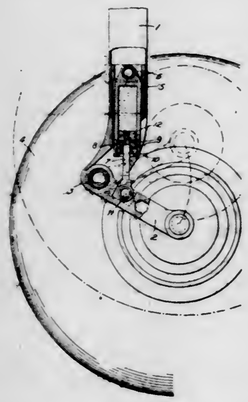
1. In well equipment of the type having concentric tubing and casing members, a differential valve comprising a housing having motive pressure fluid inlets therein communicating with the interior of one of said members, upper and lower valves arranged in the housing, a passageway providing communication between the valves, said upper valve responsive to inlet pressure in the last mentioned member to direct motive fluid through the passageway for balancing the lower valve, a spring for moving said balanced valve to a closed position relative to outlet discharge

ports communicating with the interior of the other one of said members, a passageway providing communication between the fluid to be lifted in the last mentioned member and one face of



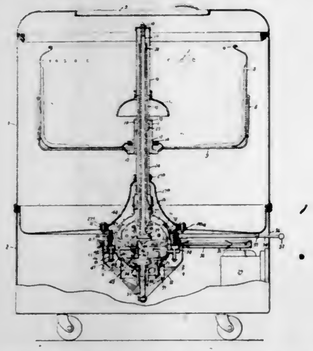
the upper valve whereby an increase in hydrostatic head will move the upper valve to relieve motive fluid against one face of the lower valve and cause upward movement thereof to direct motive fluid through the outlet ports.

2,346,667
RESILIENT SUSPENSION DEVICE
George Herbert Dowty, Cheltenham, England
Application January 11, 1940, Serial No. 313,399
In Great Britain January 17, 1939
5 Claims. (Cl. 267—64)



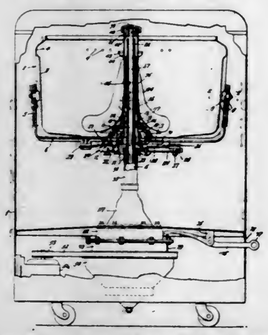
1. A resilient unit for insertion between members movable relative to each other, said movement being resiliently resisted by the compression of liquid filling a chamber having a liquid compressing member therein which partitions the chamber and is operable to vary the volume thereof, and which compressing member obtains movement within said chamber for damping relative movement between said movable members by displacement of the liquid between opposite ends of the partitioned chamber through a resistance passage disposed entirely within said liquid compressing member, said resistance passage consisting of one or more parts at least one of which includes a shuttle valve affording a differential of resistance as between damping on compression and rebound.

2,346,668
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application December 31, 1941, Serial No. 425,165
15 Claims. (Cl. 68—23)



1. In a washing machine, a receptacle rotatable on a vertical axis, a vertical tubular drive shaft therefor, a vertically reciprocable agitator in the receptacle, an agitator drive shaft within the tubular shaft, a rotatable frame fixed to said tubular shaft, a power driving member journaled in the frame, a crank for reciprocating the agitator shaft journaled in the frame, a driving gear for said crank journaled in the frame and driven by rotation of the driving member relative to the frame, and means selectively holding said frame stationary whereby said driving gear is driven or coupling the frame to said driving member whereby the receptacle is rotated.

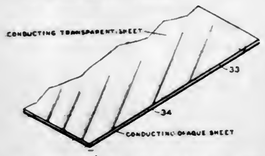
2,346,669
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application July 8, 1942, Serial No. 450,119
4 Claims. (Cl. 68—23)



1. In a washing machine of the type having a spinner basket and an agitator in said basket, driving mechanism for selectively oscillating the agitator or rotating the basket comprising, a horizontally split housing having upper and lower parts and a frame member fixed therebetween, a driving shaft journaled in said lower part, an agitator shaft journaled in said member and extending through said upper part, a crank shaft journaled in said member, oscillating mechanism

between said crank and agitator shafts, meshing gears on said driving and crank shafts, means for selectively holding the housing stationary whereby the agitator shaft is oscillated and for preventing relative rotation between the drive shaft and the housing whereby the housing is rotated, and a driving connection between the housing and the spinner basket.

2,346,670
METHOD OF AND MEANS FOR RECORDING SIGNALS ELECTRICALLY
Walter N. Engler, Scarsdale, and Bernard L. Kline, Manhasset, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 19, 1940, Serial No. 314,590
6 Claims. (Cl. 204—2)



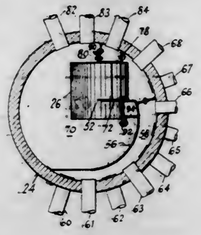
1. The method of recording marks which combine to represent a picture or other subject matter upon the surface of a homogeneous electrically conducting recording blank, comprising passing an electric signaling current of such magnitude through said blank in successive minute areas composing the total recorded area as to induce voids in said minute areas concomitantly with a sharply defined local swelling of the blank and thereby alter the homogeneity of the body of the blank in said minute areas to produce substantially opaque marks therein while maintaining its chemical composition substantially unchanged in said areas.

2,346,671
METHOD OF TREATING YEAST
John J. Enright, Pittsburgh, and Herbert Elliott Foote, Mount Lebanon, Pa., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application December 30, 1942, Serial No. 470,646
5 Claims. (Cl. 195—95)

1. A method for the treatment of yeast, which comprises subjecting yeast to vigorous aeration in a medium containing a sugar, a yeast assimilable nitrogen source and a phosphate, said yeast being dispersed in the medium in the proportion of about 1 pound, calculated as compressed yeast to upwards of about 3 gallons of medium, and said nitrogen being present in an amount which, calculated as ammonium tartrate, is less than 1% of seeded yeast, whereby an increase in yield is realized with an attendant loss of baking strength and stability, the increase in yield affording in leavening efficiency compensation for loss.

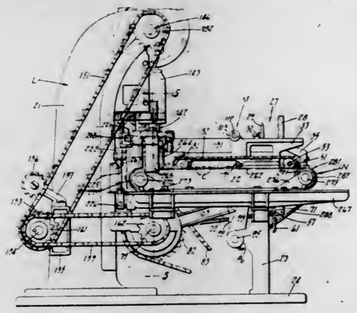
2,346,672
FLUID SYSTEM
James Fletcher, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 18, 1940, Serial No. 346,174
7 Claims. (Cl. 183—83)

1. In apparatus of the class described, means forming a pressure chamber into which mixtures of fluids of different densities are discharged at high velocities, a diaphragm or wall construction within said chamber dividing it into inlet and outlet compartments the former of which receives all of said high velocity discharges, said diaphragm or wall construction being formed with spaced openings along said chamber, centrifugal densifiers including cylindrical whirl chambers having circumferentially wide inlets set across said openings, said densifiers also including laterally projecting inlet structures set within said



openings and including a plurality of vanes spaced apart and so disposed as to direct the fluid mixtures tangentially into the whirl chambers, means at the top of each whirl chamber forming an outlet through which a separated fluid of lower density may pass to the outlet compartment, means associated with each whirl chamber so as to provide restricted outlets through which a separated fluid of higher density is discharged into the outlet compartment, and means for conducting the higher density fluid from the outlet compartment.

2,346,673
PRESS
Nelson Geertsen, Chicago, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 10, 1942, Serial No. 430,298
11 Claims. (Cl. 164—20)

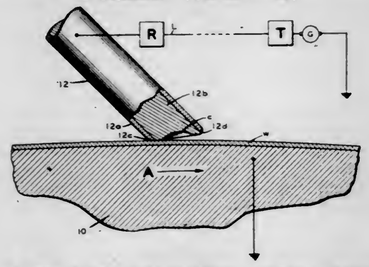


1. In a machine for cutting sheet metal strips, the combination of a die mechanism having upper and lower cooperating cutting instrumentalities for cutting a strip across to produce two blanks, two continuously rotating rollers located one on each side of said die mechanism and adjacent said blanks, and an idler roller opposite each of said rotating rollers, said idler rollers being movable toward said rotating rollers for squeezing blanks therebetween to discharge the blanks endwise from said die mechanism and in opposite directions.

2,346,674
BELT SIZING COMPOSITION AND METHOD
Otto Frederick Goepfert, Brevard, N. C., assignor to Endless Belt Corporation, a corporation of North Carolina
No Drawing. Application December 4, 1941, Serial No. 421,570
7 Claims. (Cl. 117—6)

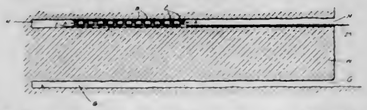
3. A method of impregnating a fabric belt to provide increased strength, softness and flexibility comprising soaking the belt in a thin, penetrative, aqueous dispersion of a starch gum, an ungelatinized tuber starch, an ungelatinized cereal starch, and an hygroscopic, water miscible oil, stretching the soaked belt, and gelatinizing said starches, in situ, by heating the belt while stretched.

2,346,675
ELECTRICAL RECORDING STYLUS AND METHOD OF MAKING THE SAME
John H. Hackenberg, New York, N. Y., and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,454
4 Claims. (Cl. 234—70)



1. A facsimile telegraph recording stylus for scanning a recording medium and applying thereto electrical marking currents to produce a facsimile record in accordance with telegraph signals received, said stylus comprising a shell composed of a refractory metal, and a core within said shell, said core being composed of a conducting material which is softer than the metal of said shell and having a crater therein at the scanning end of the stylus.

2,346,676
COAL-MINING MACHINE
Charles Edwin Hair and Richard T. Hair, Benton, Ill.
Application March 28, 1942, Serial No. 436,648
11 Claims. (Cl. 262—12)



10. In a mining-machine, a pair of jacks each including a cylinder and a reciprocatory piston, and resilient means connecting the jacks directly together for relative movement.

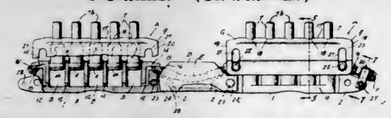
2,346,677
COAL-MINING MACHINE
Charles Edwin Hair and Richard T. Hair, Benton, Ill.
Application June 15, 1942, Serial No. 447,052
14 Claims. (Cl. 262—12)

1. In a mining-machine, a jack-unit comprising a block including a selected plurality of parallel cylinders, extensible pistons working in the several cylinders of the block, and a hood fitting over the block and having spaced openings for



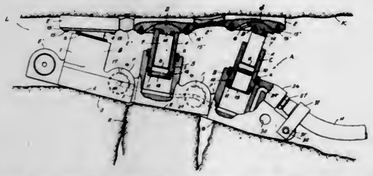
accommodating movement therethrough of portions of the pistons, the hood being shiftable with the pistons with respect to the block during a portion of their travel.

2,346,678
COAL-MINING MACHINE
Charles Edwin Hair and Richard T. Hair, Benton, Ill.
Application October 26, 1942, Serial No. 463,364
8 Claims. (Cl. 262—12)



1. In a mining-machine, a pair of jacks each including a co-operable cylinder and piston, means comprising a pipe-member joining the jacks for fluid communication, and means joining the jacks one to the other for relative hinge movement, said last means including a link having a pair of spaced side walls embracing the pipe-member, ears on the jacks opposingly fitting between said walls, and pins pivotally engaging the walls and ears.

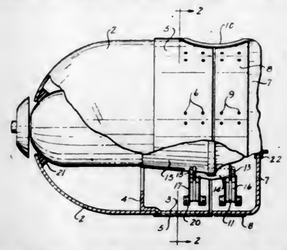
2,346,679
COAL-MINING MACHINE
Charles Edwin Hair and Richard T. Hair, Benton, Ill.
Application December 12, 1942, Serial No. 468,794
17 Claims. (Cl. 262—12)



7. In a mining-machine, a pair of jacks each including a co-operable cylinder and piston, means hingedly joining the jacks one with the other for articulation, and means also joining the jacks for yieldingly controlling the relative hinged movement of said jacks.

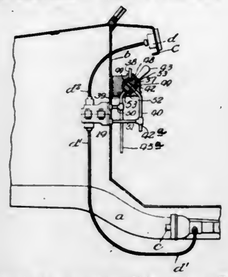
2,346,680
PROPELLER SPINNER
Elwood Harper, Dayton, Ohio
Application July 3, 1941, Serial No. 400,943
1 Claim. (Cl. 170—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a device of the class described having a rotatable hub and a spinner surrounding said hub, said spinner having a cylindrical body portion and a dome-shaped end portion, the improvement consisting of means for resiliently mounting said spinner on said hub, said means including a plurality of circumferentially spaced groups of plates each consisting of three parallelly disposed plates whose faces lie in the plane of rotation of said hub, one plate of each group being secured to the periphery of said hub and extending outwardly toward said spinner and the remaining two plates of each group being secured to said cylindrical portion of said spinner, one on either side of said one plate and extending inwardly



toward said hub in an overlapping and spaced relationship with respect to said one plate, each of said remaining two plates being provided with an outwardly turned flange at its outer end for facilitating its attachment to said spinner, and a resilient cushioning material located between said one plate and each of said remaining two plates and also between said flanges and said spinner, said material being firmly bonded to each of said plates and to said flanges to thereby form a soft-acting and cushioned mounting device for said spinner.

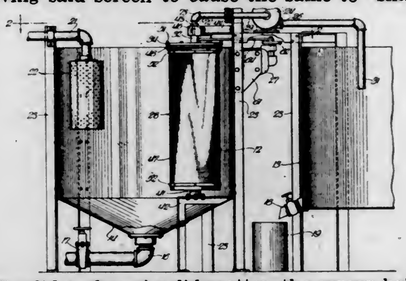
2,346,681
SPEEDOMETER DRIVE
George W. Harper, Cleveland, Ohio, assignor, by mesne assignments, to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application December 16, 1940, Serial No. 370,317
9 Claims. (Cl. 74—325)



1. Equipment for controlling, by fluid-pressure controlled devices, two-ratio gearing for driving the axle of a vehicle and two-ratio gearing for driving a speedometer, respectively, comprising the combination of valve-means for controlling fluid to, and simultaneously and conjointly shifting said devices for the operation of the gearings at corresponding ratios, and means for selectively shifting said valve-means for effecting said conjoint and simultaneous control.

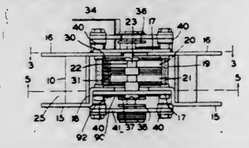
2,346,682
TREATMENT OF LIQUID EGG MATERIAL
Benjamin R. Harris, Chicago, Ill.
Application June 7, 1940, Serial No. 339,253
13 Claims. (Cl. 99—113)

10. The method of filtering liquid egg material which comprises maintaining a body of relatively substantial depth of unfiltered liquid egg material in direct contact with one side of a fine mesh screen, maintaining a body of relatively substantial depth of filtered egg material in direct contact with the other side of said screen, rapidly moving said screen to cause the same to "shake



off" solid and semi-solid matter, the screen being so positioned that solid and semi-solid matter rejected by the screen tends to fall away from said screen, and continuously supplying unfiltered liquid egg material on one side of said screen while continuously withdrawing filtered liquid egg material from the other side of said screen.

2,346,683
RATIO METER
Robert D. Hickok, Bratenahl, Ohio, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application May 9, 1942, Serial No. 442,322
6 Claims. (Cl. 171—95)

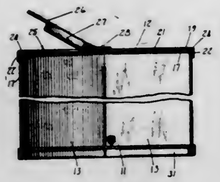


1. Meter mechanism of the character described, comprising a permanent magnet having parallel opposed pole arms, pole plates engaging the surfaces of said arms and extending inwardly in parallel planes, two core plates mounted in parallel relation in spaced planes parallel to and between the pole plates, two movable coils respectively mounted to move about the two core plates and rotatable as a unit, the two coils being of like, elongated, thin, narrow form, and the contiguous portions of the two coils being secured together in superposed relation and turning in a narrow air gap having negligible flux.

2,346,684
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 21, 1939, Serial No. 310,459
1 Claim. (Cl. 229—5.5)

A leak and moistureproof fibre container for liquids, comprising a tubular body member having straight substantially flat side walls adhesively secured together in a side seam, and top and bottom closure members adhesively secured to opposite ends of said body to close the same, the side walls of said body at its top end terminating in integrally formed marginal flanges cut away at their opposite ends and extending inwardly in abutting relation at substantially right angles to the body side walls so as to together

constitute a flat peripheral top closure support to permit said top closure member to be adhesively secured to all portions of the outer surfaces of said flanges, said top closure member having integrally formed marginal flange portions extending inwardly over and secured to the upper



outer surface of said body side walls and to said body marginal flanges with a continuous film of leak-proof adhesive of substantially uniform thickness, thereby reenforcing the container end and providing an angular liquidproof joint of double thickness throughout.

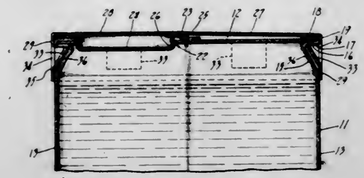
2,346,685

CONTAINER

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application September 6, 1941, Serial No. 409,889

2 Claims. (Cl. 229—45)



1. A sealed sanitary fiber container for liquids, comprising a container body having its side walls at its outer end extending inwardly and thence outwardly to constitute a substantially horizontal peripheral end ledge, a substantially flat end closure member secured to said outer end of the body in a leak-proof joint, and a snap-on protective overcap member for engaging and protecting the closed end of the container, said overcap member including a substantially flat top panel portion closely engaging the top of the container and a peripheral depending flange wall overlapping the outer end of said body, said flange wall being provided with a plurality of peripherally spaced inwardly struck resilient lugs sprung inwardly beneath said body ledge when the overcap member is in applied position.

2,346,686

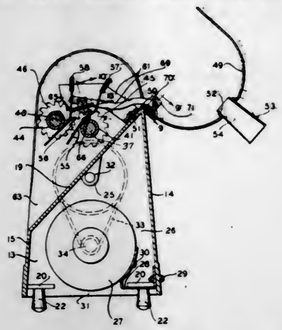
ELECTRIC MEAT CHOPPER AND TENDERIZER

Aldrich L. Jackson, Minneapolis, Minn.

Application May 27, 1942, Serial No. 444,753

9 Claims. (Cl. 17—26)

1. A meat tenderizer having tenderizer wringer-like operating rolls with a multiplicity of meat cutting blades, a cover guard means normally over said rolls, an inner guard means for the receiving side of said rolls normally spaced from the receiving side of said rolls, and means for moving said inner guide means into position to



close the receiving side of said rolls, when the cover means is withdrawn from over said rolls.

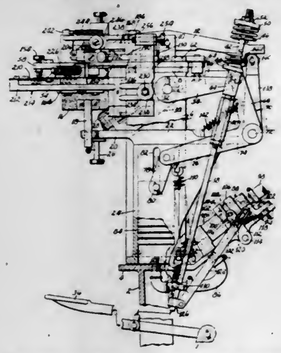
2,346,687

LASTING MACHINE

Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application February 15, 1943, Serial No. 475,857

28 Claims. (Cl. 12—14)



1. In a lasting machine, wipers movable to wipe the margin of an upper inwardly over an insole at the opposite sides of the forepart of a shoe beyond its toe portion, and additional wipers movable inwardly in contact with the wiping faces of said first-named wipers with components of movement along said faces toward the toe end of the shoe to wipe the margin of the upper over the insole in locations where the edge of the shoe bottom curves inward heelwardly of the ball line.

2,346,688

LASTING MACHINE

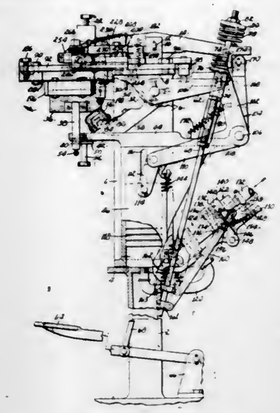
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application November 24, 1942, Serial No. 466,746

69 Claims. (Cl. 12—14)

1. In a lasting machine, wipers movable bodily toward each other to wipe the margin of an upper inwardly over an insole at the opposite sides of the ball portion of a shoe, levers mounted to swing about axes extending heightwise of the shoe, said levers having arms arranged to extend generally lengthwise of the shoe for thus moving

said wipers and having other arms arranged to extend generally widthwise of the shoe, and



means for operating the levers by forces applied to said other arms in directions generally lengthwise of the shoe.

2,346,689

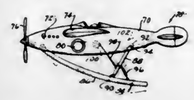
WARPLANE

Robert Kauch, Maxwell Field, Montgomery, Ala., and Charles L. Paulus, Dayton, Ohio

Application July 9, 1941, Serial No. 401,615

1 Claim. (Cl. 244—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a warplane of the class which comprises a fuselage with a cockpit, a retractable cutting bar, having saw teeth on its lower edge, hinged to the bottom of said fuselage at the forward end, and, when extended sloping downward away from said fuselage at the rearward end, a brace hinged to said bar near the rearward end and extending upwardly to said fuselage, a hook at the upper end of said brace, means on said fuselage for said hook to engage upon rearward swinging of the upper end, a spring biased to draw the upper end of said brace rearwardly to engage said hook, a stop to limit forward swinging of said upper end to an amount sufficient to disengage said hook, a cable secured to said brace near its hinged lower end and extending to said cockpit, and a reel in said cockpit to wind said cable, to disengage said hook, and retract said cutting bar.

2,346,690

DUST TEST MACHINE

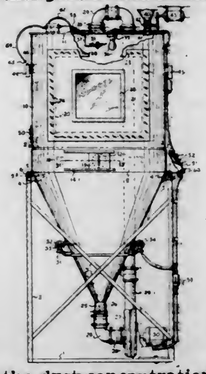
John S. Larkins, Jr., Detroit, Mich.

Application February 10, 1943, Serial No. 475,461

15 Claims. (Cl. 73—54)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A dust test machine comprising a housing forming a test chamber and having a resiliently supported portion, means for vibrating said portion, means for circulating air between said portion and another part of said chamber, and means



operable by the dust concentration in said chamber for controlling the operation of said vibrating means.

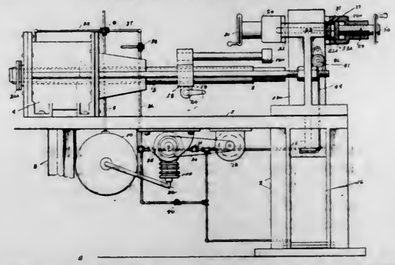
2,346,691

CARTRIDGE CONTAINER MACHINE

August G. Liebmann, Washington, D. C., assignor of one-half to Harry A. Blessing, Washington, D. C.

Application July 6, 1942, Serial No. 449,949

5 Claims. (Cl. 93—55.1)



1. In a packaging machine, a frame, reciprocating means guided on said frame for feeding tubing therealong, manual means for rotating the tube feeding means, manually projected means for cutting-off said tubing while rotating, an apertured head-block for receiving cut-off lengths of tubing, guides for said head-block for guiding it transversely of said frame, crimping dies carried by said guides for crimping cut-off lengths of tubing in an aperture of said head-block and power means for causing said feeding movement of said head block.

2,346,692

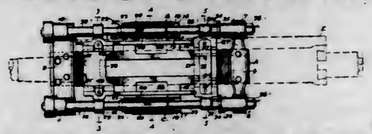
GUN MOUNT

Victor F. Lucht, Washington, D. C.

Application November 29, 1940, Serial No. 367,767

7 Claims. (Cl. 89—44)

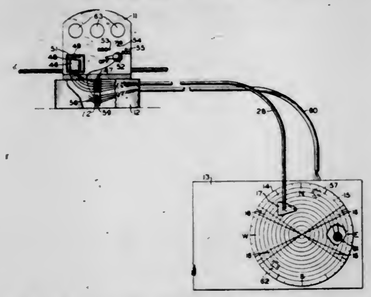
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gun mount, a support having guides, spaced bearing units carried by the support, each

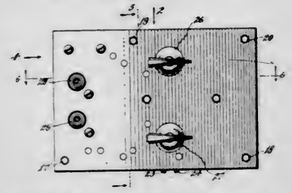
unit comprising a pair of spaced plates, a tubular member between the spaced plates and having sides parallel therewith, a rhomboidal block of elastic material between each plate and the side of the tubular member and fixed thereto, said block arranged with an inner corner in advanced position against the tubular member, a slidable sleigh, a gun fixed to the sleigh, said sleigh including rods passing through the tubular members and engaging its ends, said block furnishing the sole means for checking gun recoil and for restoring the gun to battery position, and said support guides being adapted to receive said rods and disposed coaxially with the tubular member.

2,346,693
DIRECTIONAL APPARATUS
Joseph Lyman, Huntington, and Elwood Norden, Pelham, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 5, 1942, Serial No. 464,623
21 Claims. (Cl. 35—12)



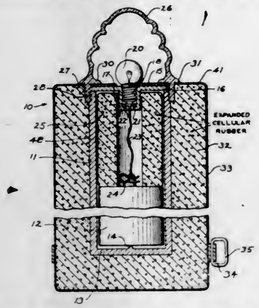
1. In a ground apparatus for teaching the art of navigation, location signaling means, direction responsive means controlled by said signaling means, and indicating means actuated by said direction responsive means.

2,346,694
ADJUSTABLE AUTOMATIC INTERVAL TIMER
James B. Maris, Glen Ridge, N. J.
Application February 13, 1941, Serial No. 378,711
7 Claims. (Cl. 161—1)



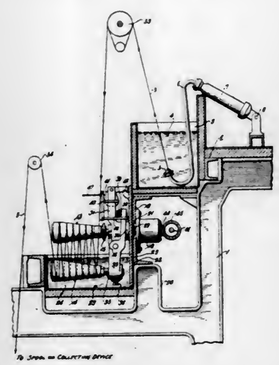
1. An interval timer of the character described having in combination a pair of rectangular mounting plates; a plurality of posts whereby said plates are rigidly mounted together; two similar shafts being rotatably mounted transversally through said plates and having their ends extending outside of said plates on one side of same; a couple of handles attached to the protruding ends of said shafts; two similar notched wheels mounted one on each of said shafts between said plates, said wheels being rotatable by said handles attached to the outside ends of said shafts; two similar stop springs being mounted on one of said plates adjacent to said notched wheels and one of said springs being in engagement with the notched peripheries of each of said wheels; a plurality of stop pins mounted one on each of said wheels and one adjacent to each of said wheels adapted to engage the pins in said wheels; a pin rack wheel rotatably mounted upon each of said shafts adjacent to said notched wheels, said pin rack wheels each having a plurality of equally long pins mounted axially along the outer periphery of the wheels and in addition one pin longer than the others extending further toward said notched wheels and being adapted to engage the stop pins of said notched wheels; a synchronous motor mounted on the outside of one of said plates and having a shaft extending through said plate; a pinion mounted on said motor shaft; a gear rotatably mounted on each of said transverse shafts adjacent to said pin rack wheels, one of said gears being in direct engagement with said motor pinion; a reversing gear rotatably mounted on the inside of the plate carrying the motor, said reversing gear being in engagement with the motor pinion and with the second gear mounted on said transverse shafts; a throw-over cam mounted on a stud on one of said plates; a double pawl mechanism slidably mounted with one end upon a stud on said throw-over cam and with its other end upon a stud fixed to one of said plates, said pawl mechanism being adapted to engage alternately either of said pin rack wheels according to the position of said throw-over cam; a connecting rod rotatably fastened with one end to an eccentric crank on the side of said reversing gear and having the other end rotatably connected to the end of said double pawl mechanism; a valve block fastened on the inside of one of said plates, and a spring loaded valve plate rotatably mounted on the inner face of said valve block, said valve plate being in operable engagement with said double, sliding pawl mechanism.

2,346,695
ELECTRIC WATER LIGHT
Gustave Miller, New Haven, Conn.
Application December 16, 1941, Serial No. 423,176
19 Claims. (Cl. 9—8.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A buoyant shock absorbing electric water light comprising a tube closed at one end, a battery means in said tube adapted to contact with the closed end of the tube in completing the circuit therethrough only when the light is in substantially upright position, a closure for the other end of said tube, said closure including a lamp socket, shock absorbing means spacing said battery means from said closure, said shock absorbing means being laterally expandable, under initial pressure when pressed by the battery means, into contact with the inner surface of said tube to anchor itself thereto, and to transmit further pressure to said tube, and conduit means connecting the lamp socket to the battery means, said spacing shock absorbing means comprising expanded cellular rubber.

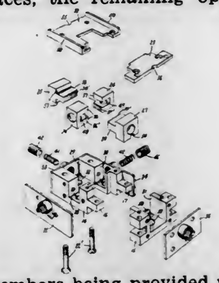
2,346,696
MANUFACTURE OF RAYON
Adrian J. L. Moritz, Enka, and Arthur L. Jackson and Gilbert I. Thurmond, Asheville, N. C., assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application March 5, 1940, Serial No. 322,386
10 Claims. (Cl. 18—8)



10. In an apparatus for producing artificial yarn which includes a spinneret, a trough for retaining a spin bath, a trough for a second bath, a yarn-storage, yarn-advancing, yarn-stretching device for propelling the yarn after it is passed from the spin bath in the form of a series of helices, said device comprising a pair of cone rollers over which the yarn is alternately directed, one of which rollers is normally immersed in the second bath while the other rotates thereabove, a driving shaft for one of the cone rollers, a shaft by which the other cone roller is rotatably mounted, and means for adjusting the axis of one shaft with respect to the other shaft to thereby cause the yarn to be propelled along the rollers in a path formed of a series of helices in which the helices are spaced a predetermined distance, the said cone roller above the bath being provided with a splash plate at its inner end to substantially prevent the liquid from the bath from coming into contact with the remainder of the apparatus.

2,346,697
UNIVERSAL RECTANGULAR WIRE COATING DIE
Robert W. Mungall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 20, 1943, Serial No. 487,769
6 Claims. (Cl. 91—53)

1. An expansible rectangular wire coating die comprising a rigid frame having walls defining a substantially rectangular aperture, a movable die member slidably mounted in a recess provided in each of said walls with the ends of said die member extending into said aperture and cooperating to define an opening for the wire to be coated, two of said die members being oppositely disposed and substantially U-shaped with the ends of the arms thereof forming wire engaging surfaces, the remaining oppositely dis-

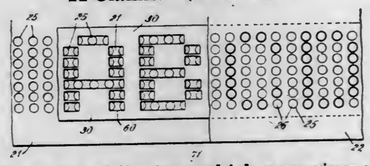


posed die members being provided with wire engaging arms extending into the aperture formed by the arms of the U-shaped die members, and means for biasing opposite die members towards each other.

2,346,698
METHOD OF PRODUCING PROTECTIVE ATMOSPHERES
Harold J. Ness, Bloomfield, N. J., assignor to Metallurgical Processes Co., a partnership consisting of Harold J. Ness and Martin A. Ness, both of Nutley, and Alfred R. Becker and Marvin J. Reynolds, both of Montclair, N. J.
Application March 22, 1941, Serial No. 384,641
19 Claims. (Cl. 148—17)

1. The method of producing a lithiated furnace atmosphere comprising generating a carrier gas by reaction of air with a hydrocarbon fuel, cooling said gas to eliminate a portion of the water vapor therefrom, heating a compound of lithium to a sufficient temperature to produce a vapor thereof, passing said carrier gas over said heated compound to entrain said vapors, and introducing said vapor laden carrier gas into the heating chamber of a furnace.

2,346,699
MOVING SIGN
William F. O'Gorman, New York, N. Y., assignor to Tel-A-Tale Motion Sign Corporation, New York, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,724
11 Claims. (Cl. 40—32)

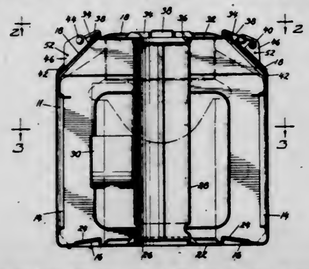


1. In a sign of the type which comprises a stationary panel constructed with spaced openings and a source of light at one side of the panel, a longitudinally movable perforated band in contact with the side of panel adjacent the source of light, the shortest perforations in the band being longitudinally longer than the longest longitudinal dimension of the openings in the panel.

2,346,700
BOMB FIN CRATE
John T. Parsons and Axel V. Brogren, Detroit, Mich.
Application January 11, 1943, Serial No. 472,079
3 Claims. (Cl. 206—1)

1. A rectangular bomb fin crate having four complementary side walls joined by four angular

corner portions and a bottom wall, each side wall having a top marginal flange bent inwardly overhanging the interior of the crate, each top marginal flange terminating at each end spaced from the end of the adjacent top marginal flange



by an opening bisecting the included angle of the corner portion, a cover plate secured to each marginal flange and seated against the inner edge thereof bracing said marginal flanges to maintain the openings between their ends.

2,346,701
TREATMENT OF PROPANE
Herman Pines and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 14, 1941, Serial No. 383,362
12 Claims. (Cl. 260—488)

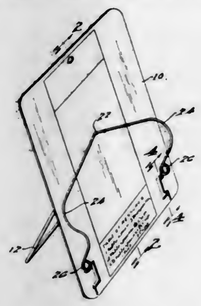
12. A process for producing organic oxygen-containing compounds which comprises reacting propane with carbon monoxide in the presence of substantially anhydrous aluminum chloride and hydrogen chloride.

2,346,702
VULCANIZING OIL
Herbert S. Polin and Albert I. Nerken, New York, N. Y.; said Nerken assignor to said Polin
No Drawing. Application September 14, 1940, Serial No. 356,732
1 Claim. (Cl. 260—399)

Process for vulcanizing oil of the genus coffea, which comprises: reacting said oil with elemental sulfur amounting to at least about 15 percent, at elevated temperature until a homogeneous liquid, substantially free from said elemental sulfur, is obtainable on cooling, thereafter cooling and adding thereto not more than about 5 per cent of sulfur chloride and sufficient to promptly produce a solid rubbery mass.

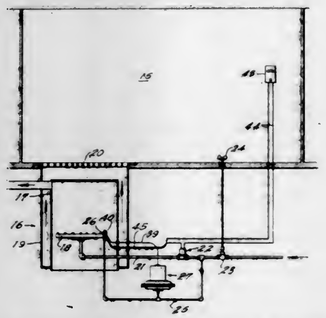
2,346,703
RACK
Carl F. Rauen, Grosse Pointe, and Gladys Forhan, Detroit, Mich.
Application April 14, 1941, Serial No. 388,490
2 Claims. (Cl. 45—57)

1. A rack for holding articles such as a book, a newspaper, clippings, a card or sheet of paper in such a manner that printed matter thereon is visible to an observer looking downwardly or forwardly thereat comprising a frame member providing a laterally extending supporting surface, and means for retaining an article of the nature hereinbefore referred to upon said supporting surface comprising an inverted generally U-shaped spring wire secured to said frame member, an intermediate part of said wire at the upper end thereof forming an apex which is biased into engagement with said frame member in order to contact an article and removably clamp the same to said surface of said frame member, said frame member adjacent each of the lower corners thereof but spaced inwardly from the edges thereof being provided with a U-shaped slot with the tongues formed thereby extending toward each other, each of the ends of said wire



being bent so as to extend through one of said slots with a portion of said wire arranged behind and held in place by the tongue of said one of said slots, said ends of said wire being biased away from each other so as to retain said wire in said slots and with said portions behind said tongues, said spring wire being bowed away from said frame member between said apex and the ends thereof.

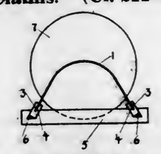
2,346,704
IGNITING SYSTEM
William A. Ray, Glendale, Calif.
Application November 6, 1940, Serial No. 364,524
1 Claim. (Cl. 158—117.1)



In a gas-burner control system: a main burner, a gas-supply conduit, a normally-closed electrically operated valve in said conduit and controlling gas supply to said main burner, a pilot burner for the main burner and connected by a pipe to said conduit ahead of said electrically operated valve, a thermoelectric generating device arranged to be heated by the flame of said pilot burner, a thermostat responsive to the heat produced by the main burner for controlling the energization of the electrically operated valve by said generating device, a motor operated by the pressure of the gas in said pilot-burner pipe, a magneto operated by said motor and effective to produce a gas-igniting spark at the pilot burner, and a main valve controlling passage of gas through said conduit both to the electrically operated valve and to the pilot-burner

pipe; all whereby, when said main valve is opened gas is supplied only to the pilot burner, the gas is ignited, and the thermoelectric generating device is heated so that the electrically operated valve can then operate in accordance with the demand of the thermostat.

2,346,705
PHONOGRAPH RECORD RACK
Oliver Sabin, New York, N. Y., assignor to Paul Puner, I. R. Gwirtz, and Oliver Sabin, copartners, doing business as Century Distributors, New York, N. Y.
Application March 8, 1943, Serial No. 478,364
3 Claims. (Cl. 211—40)



1. A rack for phonograph records or the like, comprising a plate or sheet made of resilient material and having two marginal parts at opposite edges and a plurality of slots cutting said plate and extending from one of said marginal parts to the other, two ledges each of which is affixed to one of said marginal parts, and at least one bar having two slots cut into one of its sides, each of said latter slots having a width large enough to grip one of said ledges, the distance between said latter slots being smaller than the distance between said ledges whereby said bar is adapted to hold said plate in a resiliently bent position.

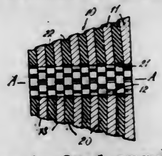
2,346,706
COLLET
Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application May 4, 1943, Serial No. 485,583
13 Claims. (Cl. 279—46)



1. A circumferentially continuous machine tool collet to be actuated by a conical cam surface of a chuck, comprising a plurality of angularly spaced rigid gripping members disposed about an axis and a body of resilient material interconnecting said members with inner and outer portions of the members exposed and with portions of the members extending to a conical surface concentric with said axis to engage said cam surface, with no portion of the resilient material extending beyond the cam engaging portions of the members.

2,346,707
COLLET
Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Original application May 4, 1943, Serial No. 485,583. Divided and this application August 14, 1943, Serial No. 498,615
8 Claims. (Cl. 279—46)

1. A circumferentially continuous machine tool collet to be actuated by a conical cam surface of a chuck comprising a plurality of longitudinally spaced axially aligned series of circumferentially spaced sector-like rigid gripping members, and a body of resilient material interconnecting the members, bonded thereto and arranged to main-



tain said members in fixed angular relation to the axis around which they are disposed, with the inner and outer edges of the members exposed and with portions of the members extending to a conical surface to engage said cam surface.

2,346,708
UREA-FORMALDEHYDE CONDENSATION PRODUCT
Leonard Smidth, Houston, Tex.
No Drawing. Application January 11, 1939, Serial No. 250,414
21 Claims. (Cl. 18—55)

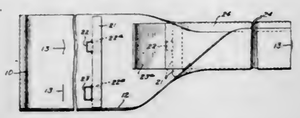
1. In the production of molded, substantially completely reacted products of urea and formaldehyde, the process which comprises working between rolls a substantially dried, plastic urea formaldehyde condensation product in the presence of sufficient inert volatile liquid to form a coherent, flowable mass, said working being carried out under conditions of temperature and acidity which advance the reaction to substantial completion, and while the resulting mass containing the liquid is in a flowable state introducing the same into a mold which lowers the temperature of the mass, thereby causing the mass to set.

2,346,709
EYE SHIELD FOR OPHTHALMIC MOUNTINGS
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 7, 1941, Serial No. 387,224
9 Claims. (Cl. 2—13)



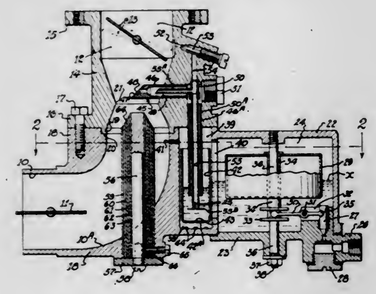
1. An ophthalmic mounting of the class described comprising a pair of lenses, lens-rims for receiving said pair of lenses, said lens-rims being joined by a bridge member and each lens-rim having divided portions normally located above the useful field of side vision when the device is in position for use on the face, said divided portions each having a lug securely mounted thereon for joining said divided lens-rim portions, temples connected to the divided lugs on each of said lens-rims for joining said meeting ends of the lens-rim, a shield removably secured to each of said lens-rims, means for connecting each of said shields intermediate the lens and the lens-rim having the uppermost portion of said shield connected beneath the lower lug of the divided portions in each of said lens-rims, the upper edge extending rearwardly at an inclination substantially parallel with the temple, and pivotal means to permit the temples to be folded inwardly while the shield remains in its normally operative position.

2,346,710
METHOD OF MAKING HANDLED BAGS
Harford K. Steen, Newburgh, N. Y., assignor to Interstate Bag Co., Walden, N. Y., a corporation of New York
Application June 10, 1940, Serial No. 339,619
2 Claims. (Cl. 93—35)



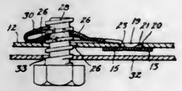
1. In a method of making handled shopping bags from web material and handles having shank portions, in which the operations are performed of applying the adhesive to one edge of the web for seaming, tubing the web, severing same into bag lengths and bottoming said lengths, the improvement which consists in previously forming a band having attached thereto a pair of handles the members of which are at spaced intervals with respect to one another, said handles being attached to the band by their shank portions, the arrangement being such that when the web is tubed said handles will register substantially with one another in superposed position, which band is of a length approximately equal to the width of the web, applying said band to the web before the tubing operation and adhesively securing same transversely of said web, and then performing the operations aforesaid of tubing the web along a line intermediate said handles, severing the tubed web and bottoming the severed portion.

2,346,711
CARBURETOR
Ladimir F. Stupecky, Manitowoc, Wis.
Application December 15, 1941, Serial No. 422,965
12 Claims. (Cl. 261—41)



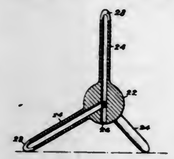
1. A carburetor for internal combustion engines including a mixing chamber having a valve-controlled outlet, a restricted Venturi throat below said mixing chamber, an air inlet passage communicating with said Venturi throat, a constant-level fuel reservoir having a float-controlled fuel inlet valve therein, a fuel well disposed adjacent to said fuel reservoir, an open passage providing air communication between said air inlet passage and the upper portion of said fuel well, a second open passage providing both air and fuel communication between said fuel reservoir and said fuel well, said fuel reservoir and said fuel well being sealed to atmospheric pressure except through said first-named open passage when the carburetor is inoperative but subject to the induction of a partial vacuum therein by the flow of air past said first-named opening during the operation of the carburetor, a buoyant fuel-metering receptacle mounted in said fuel well having an open top and a fuel-inlet opening in the bottom wall thereof, a single fuel-discharge nozzle, a pair of concentrically disposed high speed and idling fuel jet extensions having discharge ends arranged to discharge fuel through said single discharge nozzle into said Venturi throat and opposite ends extending into said fuel-metering receptacle, said idling jet extension, extending below the lower end of said high speed jet extension, an idling fuel outlet port adapted to discharge fuel into said mixing chamber, and a fuel passage connecting said idling fuel port with said idling jet extension, the flow of the fuel from said fuel-metering receptacle being adapted to be successively discharged through said idling fuel outlet port, thence through said pair of concentrically disposed high speed and idling jet extensions and said single discharge nozzle and finally only through said idling jet extension and said discharge nozzle responsively to increased engine speeds and corresponding variations of the fuel level in said fuel-metering receptacle.

2,346,712
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 22, 1938, Serial No. 247,158
19 Claims. (Cl. 85—36)



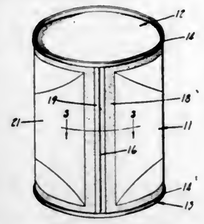
1. A self-locking nut comprising a sheet metal strip consisting in a tongue-like part having an opening, the wall of which is formed to provide a self-locking thread, and means to secure said strip to a structure with said opening in substantial alignment with an aperture in said structure for the passage of a threaded fastener, said means comprising portions disposed in a plane substantially parallel to said part and attached to one end of said part, said portions extending forwardly, rearwardly and laterally of said end.

2,346,713
CALTROP
Brooks Walker, Piedmont, Calif.
Application October 19, 1942, Serial No. 462,530
9 Claims. (Cl. 256—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



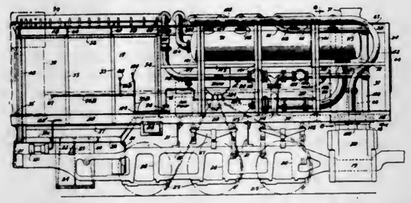
1. A caltrop comprising a central body, hollow arms extending therefrom, and an opening communicating the hollows with the atmosphere.

2,346,714
CONTAINER
Delbert E. Wobbe, River Forest, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 19, 1940, Serial No. 370,882
3 Claims. (Cl. 220—64)



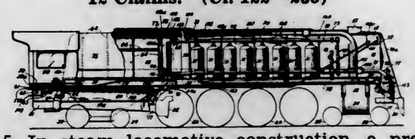
1. A sheet metal container having a soldered side seam, comprising a tubular body having a portion of its exterior surface on opposite sides of the side seam and substantially equally spaced therefrom, coated with a heat resistant and solder repellent metallic paint, said coated area defining on opposite sides of the seam straight edges running parallel with said seam and defining therebetween an area free of said coating to constitute an effective solderable side seam area of restricted minimum width, said uncoated area of the body being completely covered with a narrow band of solder up to and abutting against the straight edges of said coated body portion as a barrier, said metallic paint being substantially unaffected by the heat of the molten solder and serving to repel the solder from flowing thereover, whereby to effect substantial economies in the expenditure of solder and to provide a container of attractive appearance.

2,346,715
STEAM LOCOMOTIVE CONSTRUCTION
William E. Woodard, Forest Hills, and Arthur H. Filander, New York, N. Y.; said Arthur H. Filander assignor to Lima Locomotive Works, Incorporated, Lima, Ohio, a corporation of Virginia; Phebe H. Woodard, executrix of said William E. Woodard, deceased, assignor to Phebe H. Woodard
Application February 20, 1941, Serial No. 379,772
34 Claims. (Cl. 122—235)



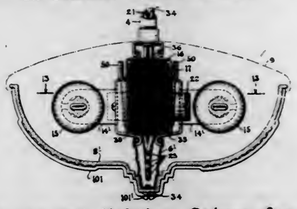
1. A steam locomotive comprising a horizontally elongated pressure-free shell largely enclosing the path of the products of combustion from the zone of combustion to the zone of discharge of said products, said shell being transversely narrower than said combustion zone forwardly thereof, steam generating means housed within said shell, steam collecting drums extending longitudinally along the sides of said shell near the top thereof, and pump mechanism and other locomotive auxiliaries mounted in the space on each side of the shell beneath said drums.

2,346,716
LOCOMOTIVE CONSTRUCTION
William E. Woodard, Forest Hills, and Arthur H. Filander, New York, N. Y.; said Filander assignor to Lima Locomotive Works, Incorporated, Lima, Ohio, a corporation of Virginia; Phebe H. Woodard, executrix of said William E. Woodard, deceased, assignor to Phebe H. Woodard
Original application August 6, 1938, Serial No. 223,528. Divided and this application August 15, 1941, Serial No. 406,962
12 Claims. (Cl. 122—235)



5. In steam locomotive construction, a pressure-free shell extending lengthwise of the locomotive and forming a passage for a heating medium in its traverse from the zone of combustion to an outlet zone, a multiplicity of steam generating units of a plurality of different configurations housed within said shell in different positions for substantially differing subjection to the heating medium, steam and water collecting means, water circulating pump means located out of the direct path of the heating medium, water delivery lines from the pump means to said units, discharge lines from said units to said collecting means, water return lines from said collecting means to said pump means, a steam take-off system from said collecting means, and means for assuring adequacy of the pump circulation in all said units regardless of the differences mentioned, in which construction the steam and water collecting means are disposed at each side of the locomotive.

2,346,717
LIGHTING DEVICE
George Ainsworth, New Hyde Park, N. Y.
Application October 28, 1941, Serial No. 416,798
12 Claims. (Cl. 240—78)



1. A fluorescent lighting fixture for tubular lamps consisting of an elongated channel support, reflecting means detachably secured to said channel support, lamp holders, lamp accessories, and clamping means for detachably securing the holders and accessories to said channel member, said clamping means comprising a pair of straps each engaging the edges of the channel at one end and engaged at the other end by a binder clip.

2,346,718
METHOD OF SCARFING
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1942, Serial No. 430,209
5 Claims. (Cl. 148—9)

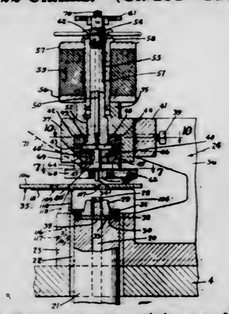
1. The method of removing metal from the surface of a ferrous metal work-piece, compris-

ing directing a plurality of scarfing jets against the work-piece with the metal at ignition temperature, and with the scarfing jets at an acute angle to the surface and closely spaced so that they remove the metal from touching areas of the surface of the work-piece, and heating the



work-piece during the scarfing operation by means of flames directed toward the work-piece at an acute angle somewhat greater than the angle at which the scarfing jets are directed against the work-piece and with substantially all of the preheating flames located above the streams of scarfing oxygen.

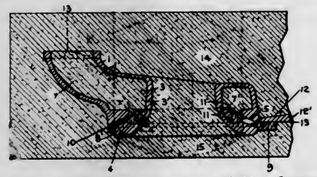
2,346,719
PUNCH PRESS
Leonard E. Aske, Minneapolis, Minn., assignor to Dayton Rogers Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application August 18, 1942, Serial No. 455,251
22 Claims. (Cl. 164—102)



22. A punch press comprising a frame including a bed plate having a guide therein, a ram mounted in the guide operating means for the ram, a cushion device mounted in the upper portion of the frame and carrying a stripper plate, a tubular stem axially mounted in the cushion device and having a punch-holder cage secured to its lower end, said cage having a socket therein for receiving the shank of a punch, a spring-actuated ball mounted in a wall of said socket and engageable with a recess in the shank of the punch, thereby to secure the punch in said socket, means whereby said spring-actuated ball may be moved out of engagement with the shank of the punch, and a knock-out pin mounted in said tubular stem and having its lower end arranged to engage the end of the punch, and the upper end of the knock-out pin projecting above the end of said stem whereby the knock-out pin may be conveniently actuated to eject the punch from the socket, when the spring-actuated retaining ball is in inoperative position.

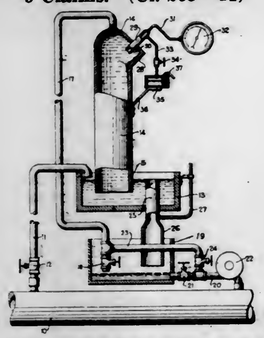
2,346,720
METHOD OF MAKING GAS STOVE BURNERS AND CORE FOR SAME
Edward C. Balcerzak, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 15, 1941, Serial No. 419,306
12 Claims. (Cl. 22—165)

1. The method or process of producing a burner formed of a single casting and comprising an inlet channel, a distributing chamber and numerous small passages and ports for gaseous fuel to support exterior combustion leading from said interior chamber to the outside thereof, which consists essentially in forming a core in a plurality of parts of core sand or like friable material, one part forming an interior chamber in communication with a gaseous fuel inlet and another forming the exit portion of said chamber and numerous tenuous passages extending laterally therefrom to a circumferential com-



bustion recess at the exterior of the burner each of the portions thereof which form the said exit portion and recess being larger and stronger than the portion which forms the passages, assembling said cores and positioning them in a mold and in spaced relation thereto so as to produce the molded outer walls of the burner and a thick top portion, with said numerous passages therein, then pouring the mold, opening the same, removing the casting therefrom and removing the cores inside said casting therefrom.

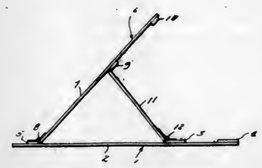
2,346,721
DENSITY DETERMINING DEVICE
Ross Bassinger, Houston, Tex.
Application February 27, 1942, Serial No. 432,645
9 Claims. (Cl. 265—44)



1. A liquid density determining device including, a conductor having its lower end disposed in a body of liquid, means for maintaining said body of liquid at a substantially constant level, said conductor forming one leg of a syphon by means of which liquid is caused to flow through said conductor, and means for indicating the vacuum exerted by a column of liquid within the conductor from a predetermined point to the substantially constant level of the body of liquid below said conductor, said vacuum indication being indicative of the density of the liquid.

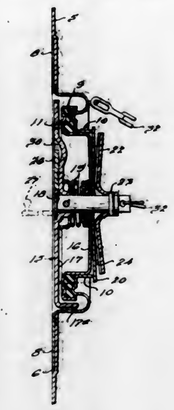
2,346,722
LEG REST
Lura Ethel Bowman, Asheville, N. C.
Application February 4, 1943, Serial No. 474,747
1 Claim. (Cl. 5—327)

A leg rest comprising a base structure including a pair of spaced, parallel side bars and further including a pair of spaced, parallel cross members mounted on one end portion of said side bars, cleats mounted transversely on the other end portions of the side bars, a leg supporting platform including a panel hingedly secured, at one end, on the cleats, bars mounted transversely beneath the



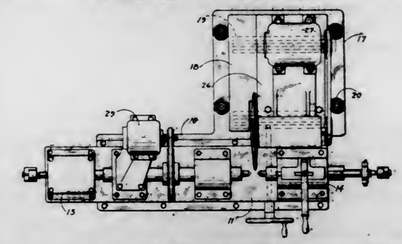
free end portions of the platform at longitudinally spaced points, and props hingedly mounted on the innermost of the cross members and engageable selectively with the second-named bars beneath the panel for adjustably supporting the platform in inclined positions on the base structure.

2,346,723
TANK CLOSURE
Dennis F. Brawn, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1942, Serial No. 434,540
4 Claims. (Cl. 220—44)



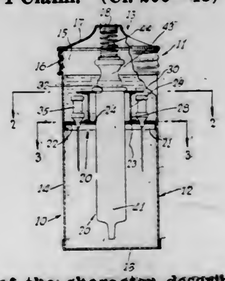
1. An aircraft fuel tank closure which may be subjected to abnormal pressures in use through the fuel content thereof, said closure comprising in combination a cap body, a stud depending centrally of the cap, a resilient cross bar non-rotatably mounted on the lower end of the stud adapted to yield under the application of a hand force in securing the cap in locking engagement with the fuel tank and providing release of partial pressures generated in said tank while affording negligible resistance to abnormal pressures which may be generated therein, and a rigid reinforcement cross bar also non-rotatably mounted on the stud below the resilient locking cross bar and longitudinally alined therewith but spaced therefrom at its outer extremities to support the resilient cross bar after predetermined deflection under the effect of partial pressures in said tank short of releasing engagement from the tank by said abnormal pressures generated therein.

2,346,724
TOOLSLIDE SUPPORTING STRUCTURE
Ottis R. Briney, Jr., Pontiac, Mich.
Application November 4, 1942, Serial No. 464,458
2 Claims. (Cl. 51—95)



1. A thread grinding machine comprising a base, a rectangular plate mounted thereon, anti-friction bearings mounted on said base adjacent the corners of said plate and engaged with the side walls thereof, anti-friction bearings mounted on said base adjacent the corners of said plate and engaged with the lower face thereof, a motor mounted on said plate, a grinding wheel mounted on said plate, driving connections intermediate said motor and said grinding wheel, a spindle bearing affixed upon said base, a work driving spindle therein, a thread on the outer end of said spindle, a nut mounted on said base, and secured against longitudinal movement relative thereto, a motor mounted on said base adjacent said spindle bearing, a laterally yieldable driving connection intermediate said motor and said spindle, a dead center bearing affixed upon said base, a dead center mounted for reciprocation therein, and a screw in said base connected with said plate for moving said grinding wheel towards and away from said spindle, eccentric bolts supporting the anti-friction bearings engaged with the sides of said plate for adjusting the grinding wheel normal to said spindle and eccentric bolts supporting the anti-friction bearings engaged with the lower face of said plate for adjusting the grinding wheel in vertical relation to the axis of said spindle.

2,346,725
STERILIZING CONTAINER FOR SYRINGE AND HYPODERMIC NEEDLES
Netty Butzke, Brooklyn, N. Y.
Application October 7, 1942, Serial No. 461,194
1 Claim. (Cl. 206—43)



A device of the character described comprising a cylindrical receptacle having a screw threaded upper end, a cover screwed to said upper end of said receptacle, a member fixed within said receptacle having openings fixed to receive hypodermic needles and formed with a central opening, a tubular member on said first member, a plate on said tubular member having a central opening smaller than the central open-

ing of the first member and co-axial therewith whereby a syringe may be mounted on said plate and supported thereby, said plate also having spaced outwardly extending tongues overhanging some of said openings in said member, said syringe being adapted to pass through the central opening of the first member, and spring means on the cover to retain said syringe on its supporting plate.

2,346,726

PROCESS FOR PREPARING COMPOUNDS OF THE ANTHRAQUINONE SERIES

Edwin C. Buxbaum, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 1, 1942, Serial No. 467,540

5 Claims. (Cl. 260—377)

1. The process for preparing alpha-benzoylaminoanthraquinones which comprises reacting an alpha-chloroanthraquinone with a compound of the group consisting of benzamide and its nuclear halogen and methyl substitution derivatives in an inert organic solvent in the presence of cuprous bromide in an amount equal to from 85% to 115% of the weight of the chloroanthraquinone compounds employed, and sufficient potassium carbonate to react with the hydrochloric acid liberated in the reaction.

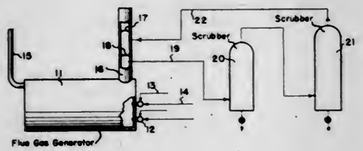
2,346,727

PROTECTION OF RELIEF VALVES

Elza Q. Camp, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 5, 1942, Serial No. 464,669

6 Claims. (Cl. 220—89)



1. A means for protecting a pressure relief means in fluid communication with a pressure vessel containing corrosive fluid under a fluctuating pressure by a passage, comprising a membrane sealing the passage between the pressure vessel and the pressure relief means, a conduit connecting the space defined by the membrane and the pressure relief means with the pressure vessel, and a means in fluid communication with said conduit arranged for supplying non-corrosive gas to said space.

2,346,728

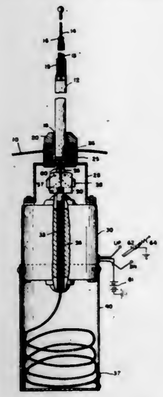
POWER DRIVEN OPERATING MEANS FOR EXTENSIBLE AND RETRACTABLE AERIALS

Emil Carlson, Detroit, Mich.

Application October 20, 1941, Serial No. 415,674

2 Claims. (Cl. 254—135)

1. Means for actuating a desired element longitudinally, comprising in combination with a flexible cable secured at its end to said element and having a helical surface configuration, a container into which said cable may be coiled, means for securing the other end of the cable in the container and against unwanted twisting about its longitudinal axis, a power source, driving nut means comprising oppositely arranged pivoted arms each carrying threads on its inner face at one end and weighted at its other end whereby centrifugal action may move the threaded faces toward the cable and engage the helical surface thereof, said driving nut means being rotatable by the power means but held against longitudinal movement with the cable, whereby upon rotation



of said nut means the cable and the actuated element attached thereto may be moved longitudinally, the cable being concomitantly moved into or out of the container, depending upon the direction of rotation of the nut means, that portion of the cable engaged by said nut means being rotatable about its own axis sufficiently to permit coiling and uncoiling of the cable within the container, and the nut means being arranged to turn in a direction tending to coil the cable when moving the cable into the container, and in a direction tending to uncoil the cable when moving the cable out of the container.

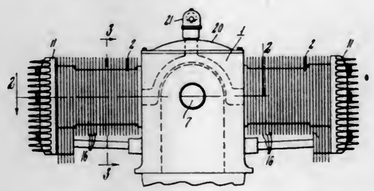
2,346,729

INTERNAL COMBUSTION ENGINE

Joseph Victor Caron, Haverhill, Mass.

Application September 3, 1942, Serial No. 457,116

3 Claims. (Cl. 123—171)



1. An engine comprising a cylinder block having a plurality of cylinders in spaced parallel relation therein and an integral hollow rib along one end of said block, said block having a bore between adjacent cylinders of a pair, connections between the hollow of said rib and said bore, a carburetor in said connections, and a fuel intake system including said bore, carburetor, connections and the hollow of said rib, whereby the fuel acts to cool said engine and said engine acts to preheat the fuel.

2,346,730

SWITCH FOR ELECTROTHERMAL APPARATUS

Etienne Challet, Bern, Switzerland, assignor to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland, a firm of Switzerland

Application September 1, 1942, Serial No. 456,931

In Switzerland June 21, 1941

3 Claims. (Cl. 200—6)



1. In a combination-switch for electro-thermal apparatuses, comprising fixed elastic brushes cooperating with a contacting device mounted on a rotary shaft, which latter, in order to secure its working positions, carries an undulated cam cooperating with rollers bearing elastically on its periphery, in combination, segment contacts mounted on said contacting device, curved inwards at both ends and extending over an angle slightly smaller than that separating two consecutive tops of the cam, the brushes cooperating with these contacts being set in such a way that they act upon the curved parts of the segment a little before the rollers come to bear on the tops of the cam.

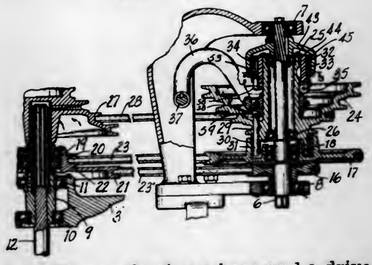
2,346,731

DRILL PRESS

James G. Collins, Kalamazoo, Mich., assignor to Atlas Press Company, Kalamazoo, Mich.

Application April 8, 1942, Serial No. 438,175

1 Claim. (Cl. 74—217)



In a drill press having a base and a drive shaft and parallel quill, the combination of speed reduction pulleys comprising a small pulley fixed to said drive shaft, a double pulley comprising pulleys of different size journaled for free rotation, a large pulley journaled for free rotation about said drive shaft, a V-belt connecting the small pulley on said drive shaft with the larger pulley on the double pulley, a V-belt connecting the small pulley of said double pulley with said large pulley journaled on said drive shaft, a driving pulley journaled for free rotation about said drive shaft, a cooperating driven pulley fixed to said quill and a V-belt connecting said last mentioned pulleys, a first releasable friction clutch means adapted to establish driving connection between said large pulley journaled about said drive shaft and said driving pulley, a second releasable clutch means adapted to establish a driving connection directly between said drive shaft and said driving pulley, and shiftable means for selectively engaging either said first or second clutch means, whereby the speed of rotation of the quill may be changed while the drill press is in operation.

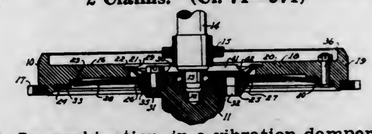
2,346,732

VIBRATION DAMPER

John Crawford, Detroit, and Gene M. Wiegand, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application September 20, 1941, Serial No. 411,632

2 Claims. (Cl. 74—574)



1. In combination, in a vibration damper, having a central hub portion, an annular rim, and flexible connections between said hub and said rim comprising, a normally flat driving plate of metal secured at its outer edge to said rim and at its inner edge to said hub, said driving plate being formed with cutaway sections to provide a continuous peripheral ring and a plurality of radially-extending arms thereto, an initially flat flexible plate of metal having its central portion secured to said hub and its outer portion resiliently engaging one face of said rim, said friction plate having cut-away portions to form a plurality of outwardly extending radial arms having discontinuous braking surfaces at the outer ends thereof, a retainer having its central portion secured to said hub and its outer portion resiliently engaging the other face of said rim, and means securing said plates and said retainer to said hub, said elements being so constructed that when said securing means is tightened, said flexible plate is bent from its normally flat position and resilient forces are imposed thereby on said rim, said arms on said driving plate and said flexible plate being alternately arranged whereby said arms on said flexible plate are free of connection with said arms on said driving plate.

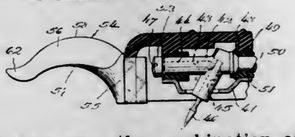
2,346,733

TONE ARM

Roy Dally, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware

Original application January 18, 1941, Serial No. 374,964. Divided and this application October 16, 1942, Serial No. 462,276

4 Claims. (Cl. 274—1)



4. In a tone arm, the combination of a tone arm comprising a channelled member having depending side and end flanges, and the flange at the free end of said tone arm having an upwardly extending slot open at its lower edge, with a handle member comprising an outwardly extending finger piece adapted to be engaged by the fingers, and a securing body, said securing body having formed on its opposite sides a pair of vertical slots, said slots being of sufficient thickness to receive said depending flanges at the side, the flanges of said tone arm at said upwardly extending slot, and to be secured to said tone arm by frictional engagement, a reproducer unit in said tone arm, said reproducer unit having a chuck with a threaded member for engaging a removable stylus, said reproducer unit being so located that said threaded member is accessible through said upwardly extending slot in the depending flanges of said tone arm.

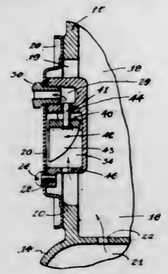
2,346,734
REFINING OF MINERAL OILS
Henry J. Dempsey, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 22, 1941, Serial No. 384,693
3 Claims. (Cl. 260—514)

1. Process for the removal and recovery of naphthenic acid constituents from a mineral oil containing the same, which comprises contacting said mineral oil at a temperature in the range from about 100° F. to about 200° F. in the liquid state with a catalyst comprising as the essential active ingredient chromic oxide, segregating said chromic oxide, and contacting the same with a primary solvent having the ability to remove therefrom oily constituents and color bodies, separating the treated chromic oxide and contacting the same with a secondary oxygenated solvent selected from the class consisting of ketones and alcohols whereby the naphthenic acid constituents are removed, removing the secondary solvent containing the naphthenic acid constituents and recovering the naphthenic acid constituents therefrom.

2,346,735
METHOD OF DETECTING PETROLEUM DEPOSITS
Patrick F. Dougherty, Chester, and Paul D. Barton, Phoenixville, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application August 22, 1941, Serial No. 407,954
3 Claims. (Cl. 23—230)

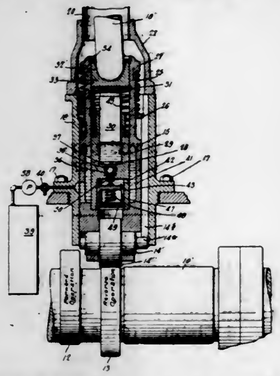
1. The method of detecting subterranean deposits of petroleum which comprises collecting a sample of earth from a determined location, subjecting such sample to treatment and analysis adapted to determine the amount of water and the amount of low boiling hydrocarbons present therein, comparing the said determinations and ascertaining the ratio between said amounts, and utilizing said ratio as an index of the proximity of the location from which said sample was obtained to deposits of petroleum.

2,346,736
CRANKCASE VENTILATING SYSTEM
William Engstrom, Muskegon, and Earl Ginn, North Muskegon, Mich., assignors to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application August 14, 1940, Serial No. 352,572
6 Claims. (Cl. 123—119)



1. In an internal combustion engine having a crankcase and an induction system, and wherein the crankcase and induction system are in communication at all times through a restricted passage and are subject to varying pressure pulsations in the engine induction system tending to produce varying flow through said restricted passage, a clean out metering element displacing a part of the cross-sectional area of said passage and having a stem portion and a U-shaped weighted portion, and a housing for said element and provided with guides acting directly on said weighted portion only to restrain movement of the element to an axial movement substantially concentrically in said passage.

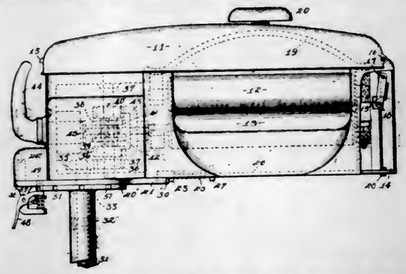
2,346,737
REVERSING MECHANISM FOR ENGINES
Max Essl, Swarthmore, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application August 18, 1941. Serial No. 407,381
10 Claims. (Cl. 123—41)



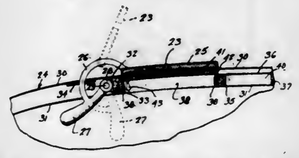
5. A reversing mechanism for internal combustion engines of the type having a valve selectively operated by forward or reverse sets of cams on a camshaft which is axially shiftable to bring either set of cams into operation comprising, in combination, a push rod, a cam follower guide sleeve adapted to be actuated by one or the other of said sets of cams, a push rod seat slidably supported on said sleeve, means for normally maintaining said seat and sleeve in a substantially predetermined axial relation during normal cam operation of the push rod and sleeve, and means for relatively axially moving said seat and sleeve to reduce the combined effective length of said push rod and sleeve thereby allowing the cam follower to have clearance with the camshaft so that the latter may be shifted axially to bring one or the other of said sets of cams into operative relation to the cam follower.

2,346,738
PIVOTAL FRAME WRINGER
Nicholas L. Etten, Waterloo, Iowa
Original application April 11, 1941, Serial No. 388,024. Divided and this application September 3, 1943, Serial No. 501,181
3 Claims. (Cl. 68—269)

1. In a wringer, the combination of a wringer frame, a plurality of coacting rolls rotatably mounted in the frame, a drive shaft, drive gearing for the rolls and operatively connected with the drive shaft, a gear housing enclosing the gearing and connected with the wringer frame, mounting means for the gear housing and wringer frame including a support and a pivotal connection between said support and the gear housing spaced laterally from the axis of the drive shaft for swinging movement of the gear housing and wringer frame eccentrically relative to the drive shaft, and releasably connectible means between the drive shaft and the gearing arranged for driving engagement between the drive shaft and the gearing when the wringer frame is in one position relative to the mounting support and being disengaged from driving engagement therebetween upon lateral swinging movement of said frame relative thereto.

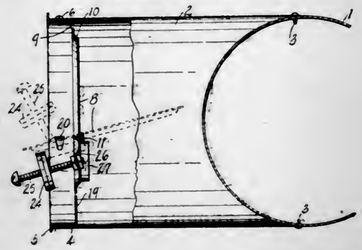


2,346,739
REAR VIEW MIRROR
Arthur R. Ewing, Chicago, Ill.
Application July 19, 1941, Serial No. 403,112
2 Claims. (Cl. 88—86)



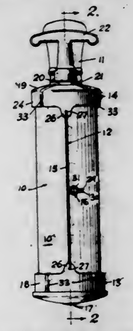
1. In a rear view mirror assembly for a vehicle, a mirror mounted on the vehicle above and in the vicinity of the driving position, means for adjustably mounting the mirror, said means terminating in an operating handle in the interior of the vehicle and including an arcuate intermediate portion having a sliding friction engagement with that portion of the vehicle through which it passes, said handle being positioned to be operable by the driver when seated in driving position to regulate the mirror for the rear view desired.

2,346,740
DRAFT REGULATOR
Edward A. Field, Jr., Mendota, Ill.
Application August 3, 1942, Serial No. 453,401
18 Claims. (Cl. 236—45)



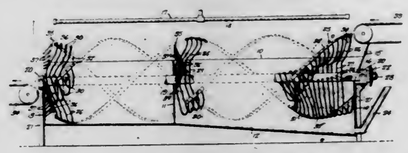
17. In a draft control, a cylindrical housing, an annular gate frame having an inturned flange at its inner end defining the gate opening, a gate dished to provide an outwardly inclined border portion, a pintle extending across the front of said gate and through the said inclined portion thereof, and hinge brackets on said frame provided with outwardly inclined bearing portions for the ends of said pintle, said bracket being provided with portions limiting the axial movement of said pintle.

2,346,741
SAFETY SEAL FOR FIRE EXTINGUISHERS
Fred Fredriksen, Chicago, Ill.
Application March 17, 1943, Serial No. 479,400
5 Claims. (Cl. 299—97)



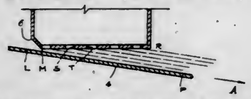
1. In a safety seal for a hand type fire extinguisher having a nozzled bottom end and a pump handle extending from its upper end, said safety seal comprising a cup shaped bottom seal adapted to be arranged over said nozzled bottom end to completely embrace the same, an inverted cup shaped top seal having an opening formed in its top wall and adapted to fit over the pump handle to cover the upper end of the fire extinguisher, and means for sealing said bottom seal and top seal in the position aforesaid.

2,346,742
VEGETABLE WASHER
John D. Gaddie, Union City, Tenn.
Application December 6, 1941, Serial No. 421,998
2 Claims. (Cl. 146—194)



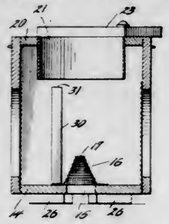
1. In vegetable washing apparatus, a tank, a longitudinally extending shaft rotatably journaled on the tank, means fixed to the shaft for conducting vegetables from end to end of the tank, a plurality of arms fixed to and extending in a generally radial direction from the shaft and having an inclination toward the shaft axis, and a plurality of straight rods fixed to each of the said arms at longitudinally spaced intervals, the said rods being of successively increasing length from the inner toward the outer end of the arm and projecting therefrom in a direction substantially perpendicular to the arm and transversely of the shaft axis whereby to eject vegetables from the conducting means.

2,346,743
APPARATUS FOR TRANSFERRING GRANULAR MATERIAL
Charles F. Geiger, Metuchen, Channing P. Clapp, Woodbridge Township, Middlesex County, and William C. Kempf, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application January 22, 1940, Serial No. 314,932
16 Claims. (Cl. 221—128)



1. Discharging apparatus for distributing granular material of varied grain sizes without substantial increase of segregation and comprising a container for the granular material, a base for said container provided with spaced discharge openings whose outlet areas comprise 15 to 75 per cent of the area of the base and which are distributed with substantial uniformity over said basic area, a member having a discharge surface under said openings inclined downwardly from the horizontal at an angle less than the angle of repose of the granular material, and means for giving the member having the inclined surface rapidly recurring impulses which cause movement of granular material from the discharge openings down the inclined surface without substantial change of grit distribution.

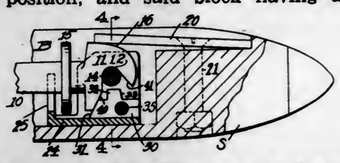
2,346,744
BAIT BOX
Cleveland C. Glassman, Jackson, Tenn.
Application June 28, 1943, Serial No. 492,613
4 Claims. (Cl. 43—55)



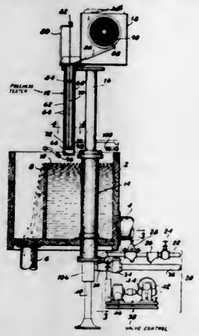
1. In a bait box, a receptacle having a top with an exit opening, a bottom with an entrance opening, a pair of sides meeting to form a right angle and each having an opening therein near the bottom of the receptacle, a reticulate member covering each side opening to admit light while preventing loss of the bait, a plurality of other sides, a one-way trap covering the entrance opening, and a solid, imperforate member forming a closure for the exit opening and affording a seat for the user.

2,346,745
LOOM SHUTTLE
Harold E. Goff, Millbury, Mass., assignor to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application May 11, 1942, Serial No. 442,435
2 Claims. (Cl. 139—208)

1. In a loom shuttle having a spindle with a spindle head and a fixed pivotal support for said spindle head in said shuttle, in combination, a positioning block, and means to secure said block in fixed position in said shuttle, said block having an inclined front end surface of substantial area coacting with a surface of similar area on said spindle head to locate said head in operative position, and said block having an upwardly extended lug with a rear surface coacting with a second surface on the spindle head to limit upward swinging movement of said spindle.

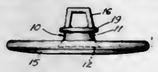


2,346,746
CONTINUOUS FREENESS RECORDING METHOD AND MEANS
Arthur Brooks Green, Needham, Mass., assignor to Paprex Company, Wakefield, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 381,419
15 Claims. (Cl. 73—51)



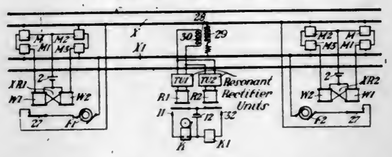
1. Means for testing and recording the freeness of paper stock, comprising a constant level flow box containing paper stock to be tested, an immersion type freeness tester, means for recording the result of each test made by said freshness tester on said paper stock, and means for periodically and uniformly immersing said freeness tester into said paper stock and then withdrawing it from said stock after each test has been recorded.

2,346,747
BUTTON SHANK
Otto Gries, New Rochelle, N. Y., assignor to Gries Reproducer Corporation, a corporation of New York
Application May 14, 1943, Serial No. 486,946
3 Claims. (Cl. 24—90)



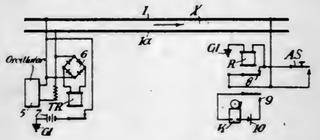
1. A button shank for assemblage in a button, comprising a substantially cup-shaped body having a flared open end, the wall of said body being tapered in the direction of said open end, the open end of said body forming the button mounting end of the shank, the other end of said body being closed and having an enlargement forming an annular seat of a diameter within the greatest diameter of said flared end, and an attaching loop projecting from said seat and of an outside diameter less than the diameter of said seat.

2,346,748
CONTROL APPARATUS
Lars O. Grondahl, Pittsburgh, and Paul N. Bossart, Cheswick, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 8, 1941, Serial No. 414,100
7 Claims. (Cl. 246—124)



1. In a warning system for railways, the combination with a stretch of double track railway, means responsive to traffic operating on either of said tracks, a warning device, a relay for operating said warning device, and means governed by said traffic responsive means for energizing said relay over a circuit including at least one track rail of each of the two tracks of said double track railway.

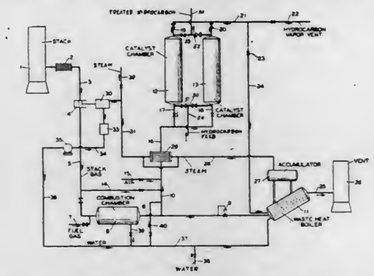
2,346,749
CONTROL APPARATUS
Lars O. Grondahl, Pittsburgh, and Paul N. Bossart, Cheswick, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 8, 1941, Serial No. 414,101
12 Claims. (Cl. 246—124)



1. In combination, a stretch of railway track comprising electrically continuous track rails, a source of high frequency oscillations of the order of 20,000 cycles per second connected across the rails of said stretch, a relay also connected across said rails adjacent to the connection of said high frequency source for energization from that source, another source, a circuit controlled by said relay for connecting one terminal of said other source to a conductor and for connecting the other terminal of said other source to one rail of said stretch, another relay, a warning device controlled by said other relay, and means connected across said conductor and said one track rail, at a point remote from said first relay, for energizing said other relay from said other source.

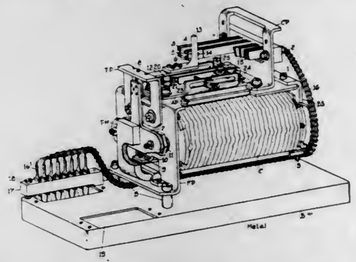
2,346,750
PROCESS FOR THE REACTIVATION OF CONTACT CATALYSTS
Jesse A. Guyer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 14, 1941, Serial No. 388,535
4 Claims. (Cl. 196—52)

4. In a process for the reactivation of solid contact catalysts employed in the conversion of hydrocarbons, the activity of which has been substantially reduced by the deposition of oxidizable carbonaceous material thereon, which comprises passing a portion of a gas into contact with the catalyst to purge the catalyst of hydrocarbon vapors, mixing another portion of said gas with oxygen-containing combustion products to produce a mixture of suitable reduced oxygen content, and passing said mixture into contact with said catalyst to effect removal of the carbonaceous material by combustion and gasification of said material, the improvement which



comprises generating said gas by burning fuel gas in an atmosphere of combustion products having a substantial content but not over 10 volume per cent of oxygen, the proportions of said fuel and said combustion products being so adjusted to produce a gas containing carbon dioxide and substantially free of oxygen and carbon monoxide.

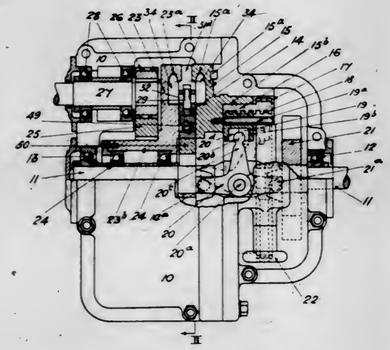
2,346,751
RELAY
William D. Hailes, Brighton, and William M. Barker, Greece, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application February 18, 1942, Serial No. 431,330
9 Claims. (Cl. 200—93)



3. In relays, in combination; a magnetic structure including a core, a coil on said core, a movably mounted armature and a permanent magnet so associated with said core and armature that the application of current to said coil causes magnetism from said permanent magnet to be redistributed in the working air gap between said core and said armature; two coaxial members of like diameter one fixedly supported with respect to said core and the other operatively connected to said armature in such manner as to cause said other member to move with respect to said one member so that their axes remain in parallel relation to each other but separate from each other as said armature moves from its normal position; a spring arranged on one side of said coaxial members having one end fixed and having the other end engage both of said members; means to adjustably change both or either the effective lever arm of said spring and the initial force exerted thereby on the sides of said coaxial members when said armature assumes its normal position; a front spring contact finger fixed at one

end and having a stop touching it without initially tensioning it, so as to substantially prevent its movement in one direction only; and a movable spring contact finger operatively connected to and movable with, said armature, in a direction opposite to said one direction and into contact with said front spring contact finger, the movable finger having a stop member and being initially tensioned against its stop member to bias said movable spring finger away from said front spring contact finger, whereby said spring contact fingers are prevented by said stops from making unauthorized contact and these contact fingers do not impose additional trapped tension above that imposed by said spring and the movable contact fingers when contact is made during actuation of the relay from its normal position.

2,346,752
TRANSMISSION GEARING
George Hall and Edgar Brierley, Rochdale, England
Application January 9, 1943, Serial No. 471,824
In Great Britain September 10, 1941
5 Claims. (Cl. 74—117)

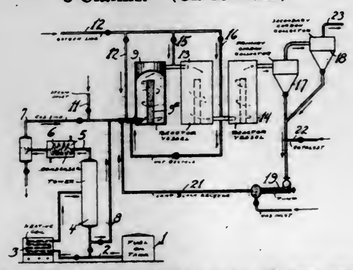


1. Gearing for transmission of power, including a rotary variable-throw eccentric, a strap journalled on said eccentric, coaxial fixed and driven rings on opposite sides of said eccentric, slides guided between said rings, a set of levers directly pivoted to said strap in circumferentially spaced relationship, and each pivoted at the outer end to a slide, and one-way acting locking devices of opposite hand fitted to each slide and intermittently operatively engageable, respectively, with said fixed ring and said driven ring, the points of said rings which are simultaneously operatively engaged being substantially diametrically opposite one another, and the engagement points on said driven ring always being at the throw side of said eccentric.

2,346,753
PROCESS FOR THE PREPARATION OF CARDIAC GLUCOSIDE
Max Hartmann, Riehen, and Emil Schlittler, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application January 10, 1941, Serial No. 374,020. In Switzerland March 1, 1940
2 Claims. (Cl. 260—210)

1. Process for the manufacture of a new crystalline cardiac glucoside by separating impurities by means of soluble lead salts from an aqueous extract of *Adenium somalense*, extracting the aqueous, preferably saturated, solution with chloroform, washing the chloroform layer with aqueous alcohol, evaporating the washed chloroform layer and recrystallizing the residue from alcohol.

2,346,754
FUEL OIL GASIFICATION
Charles E. Hemminger, Westfield, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
Application December 9, 1939, Serial No. 308,368
5 Claims. (Cl. 48—215)



1. A method of generating an oil gas containing hydrogen from heavy hydrocarbon residues which comprises passing said residue through a reaction zone, introducing steam and a free oxygen-containing gas into said reaction zone, limiting the amount of free oxygen introduced into said zone to effect a partial combustion of said hydrocarbon residue sufficient to maintain said reaction zone at a temperature which will rapidly decompose the unburned portion of the hydrocarbon residue into decomposition gases rich in hydrogen and containing free carbon, passing the stream of residue and gases through said reaction zone at a velocity sufficient to prevent substantial accumulation of carbon therein, removing decomposition gases containing free carbon from said reaction zone, separating the free carbon from the decomposition gases and returning said carbon to said reaction zone.

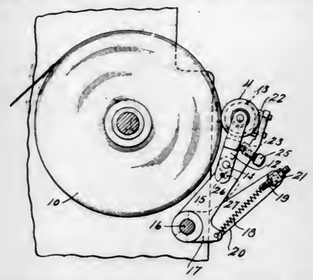
2,346,755
EMULSION COMPOSITION
Charles B. Hemming, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1941, Serial No. 393,935
7 Claims. (Cl. 260—17)

1. A stable emulsion comprising a water insoluble polymeric organic film-forming material dispersed in a water phase containing an inherently water-soluble polyvinyl alcohol and a water soluble organic complex of the Werner type in which a trivalent chromium atom is coordinated with a carboxylic acido group having at least 10 carbon atoms.

2,346,756
PAPER REEL BRAKE
William Hoppe, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application January 10, 1942, Serial No. 426,271
3 Claims. (Cl. 188—83)

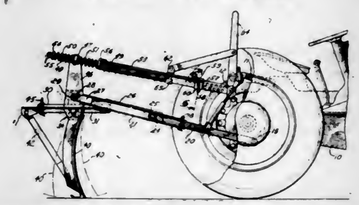
1. A brake for a reel of web material including a member frictionally engaging the surface of the material on the reel to exert a drag upon

the rotation of the reel, a support carrying the member for movement toward and from the axis of the reel of material as the reel diameter varies, and a spring connected at one end to said support and at its other end to a relatively fixed point, the points of connection of the spring be-



ing so positioned that the extension of the spring decreases directly and progressively with a decrease in the size of the reel and simultaneously the component of spring tension causing movement of the support towards the reel decreases relative to the total force exerted by the spring.

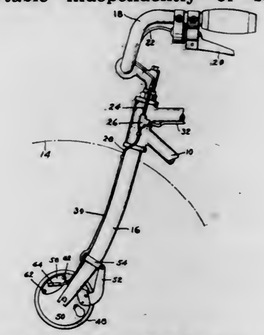
2,346,757
SCRAPER
Russell S. Horner, Geneva, Ohio
Application September 16, 1942, Serial No 458,521
4 Claims. (Cl. 37—156)



4. In combination with a vehicle having an elevating mechanism thereon, a scraper comprising a frame pivotally coupled with said vehicle and with said elevating mechanism, a circular plate, a pivotal connection thereon coupled with said frame, a hub on said plate, a second circular plate, a spindle thereon engaging said hub, means for locking the first and second named plates in rotative adjustment throughout 360°, a concave scraper mounted on said second plate, a second frame for rocking said plate angularly about said pivotal connection on the first named frame, the leading edge of said scraper blade being disposed beyond the edges of said plates when the concave face of the blade is faced forwardly or rearwardly normal to the medial axis of the frame and the plates are rocked angularly about the pivot on the first named frame.

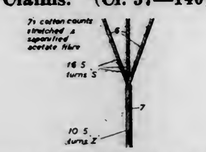
2,346,758
BRAKE
Frederick G. Hughes, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 7, 1941, Serial No. 382,187
6 Claims. (Cl. 188—152)

1. In a fluid pressure actuated braking system for a vehicle having a frame and a plurality of supporting wheels detachably secured to said frame, a brake drum on each wheel, an anchor plate adjacent to each brake drum, brake shoes carried by the anchor plates and movable into and out of braking engagement with said brake drums, a unit handling conduit system completely filled with a pressure-transmitting fluid and transportable independently of said vehicle,



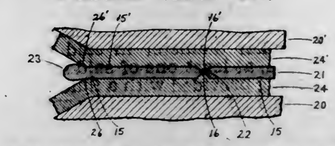
means sealing said conduit system against leakage, fluid pressure actuated brake shoe operating devices in said system, and means to attach and detach the conduit system as a unit to said frame and to said anchor plate in brake shoe operating relation while said conduit system remains a fluid filled unit sealed against leakage.

2,346,759
TEXTILE PRODUCT
Thomas Jackson, Donald Finlayson, and Thomas Barnard Frearson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application May 21, 1941, Serial No. 394,438
In Great Britain June 6, 1940
8 Claims. (Cl. 57—140)



1. An improved cord for tyres and the like comprising a cabled assembly including high tenacity staple fibre yarns having a basis of cellulose ester filaments which have been stretched and saponified.

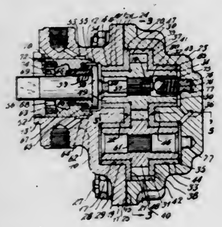
2,346,760
WAVE RECORD MOLD
Jackson O. Kieber, Long Island City, N. Y.
Application July 21, 1941, Serial No. 403,346
3 Claims. (Cl. 18—5.3)



1. A stamper mold for use in producing disk records, said mold having a flat circular face containing a spirally directed ridge including a wave record in portions thereof, said spiral ridge being coaxial with said face, and an equalizer ridge on said flat face coaxial with said spiral ridge and spaced radially outward from the record portions thereof and radially inward a predeter-

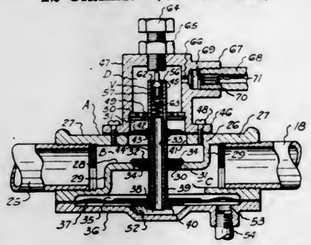
mined distance from the outer edge of said face to provide a flat border zone of predetermined width between said ridge and said edge, said mold having a frusto-conical flange diverging directly from said outer edge and rearwardly from the record containing face of the mold.

2,346,761
HYDRAULIC GEAR PUMP
James P. Johnson, Shaker Heights, Ohio
Application April 25, 1940, Serial No. 331,584
8 Claims. (Cl. 103—126)



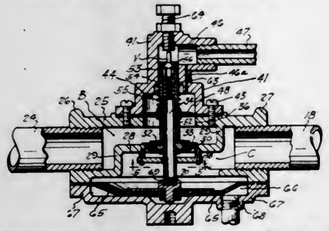
1. In a gear pump, a housing comprising separable cooperating sections detachably connected together, one of said sections having a pair of bores extending inwardly from its inner face, said bores being spaced apart relatively and having their axes disposed in parallelism in a common transverse plane; a pair of bushing members having annular portions fitted in said bores and laterally extending integral flanges outwardly disposed in abutment with the inner adjacent face of said section; the other of said sections having a pair of spaced bores extending inwardly from its inner face, said bores being of the same general outline as the adjacent peripheral surfaces of said flanges for snugly enclosing the latter, said last mentioned bores communicating with a pair of bores of relatively smaller diameter disposed axially inwardly to provide a transverse surface disposed in substantially parallel spaced relation with respect to the inner face of said last mentioned section, said bores of smaller diameter being disposed in relative axial alignment with the bores formed in said first mentioned section; a second pair of bushing members having outer annular portions fitted in the first mentioned bores in said second mentioned section and with their outer edges in abutment with the adjacent marginal portions of said lateral flanges, said last mentioned bushings being further provided with intermediate integral lateral flange portions in abutment with the adjacent transverse surface on said second mentioned section and disposed in substantially parallel spaced relation with respect to said lateral flanges to provide an enclosed substantially non-collapsible pump chamber, said last mentioned bushings being further provided with integral inner annular portions fitted within the bores of smaller diameter in said second mentioned section, at least one of said last mentioned bushings being provided with a fluid inlet opening at one side thereof communicating with said pump chamber and a fluid outlet opening on the other side thereof communicating with said pump chamber; a pair of pump gears rotatably disposed in the pump chamber and drivingly interconnected, said gears being provided with projections extending axially outwardly on diametrically opposite sides which are rotatably mounted in the adjacent axially aligned annular portions on said bushing members; one of said sections having a fluid passageway communicating with said inlet opening and a fluid outlet passageway communicating with said outlet opening; and a drive shaft rotatably mounted in one of said sections and having one end drivingly connected to one of said pump gears for rotating the latter whereby fluid is drawn into said inlet opening and discharged under pressure from said outlet opening.

2,346,762
GAS CARBURETING APPARATUS
Sam P. Jones, Dallas, Tex.
Application August 25, 1941, Serial No. 408,178
12 Claims. (Cl. 48—180)



1. A gas carbureting apparatus including, a gas mixer having an air inlet and a gas inlet and a combined air and gas outlet, said mixer also having a throttle valve disposed therein for controlling the flow therethrough, a body connected with the fuel inlet, a fuel valve within the body for controlling the flow of fuel to the fuel inlet of the gas mixer, a vacuum responsive member connected with the fuel valve and exposed to the suction upstream of the throttle valve for actuating the fuel valve, and an auxiliary vacuum responsive element also connected with the fuel valve and exposed to the suction downstream of the throttle valve for actuating the fuel valve and assuring positive unseating thereof when the suction upstream of the throttle valve is relatively low.

2,346,763
GAS CARBURETING APPARATUS
Sam P. Jones, Dallas, Tex.
Application November 2, 1942, Serial No. 464,242
14 Claims. (Cl. 48—180)



1. A gas carbureting apparatus for an internal combustion engine including, a gas mixer having an air inlet and a gas inlet and a combined air and gas outlet connected to the engine intake manifold, said mixer also having a throttle valve disposed therein for controlling the flow to the engine, a body connected with the fuel inlet, a fuel valve within the body for controlling the flow of fuel to the fuel inlet of the gas mixer, a vacuum responsive element connected to the fuel valve and exposed to the manifold vacuum of the engine downstream of the throttle valve for actuating said fuel valve, and a second vacuum responsive member movable independently of the main fuel valve and exposed to the vacuum in the mixer upstream of the throttle valve, said last named vacuum responsive member co-acting with the first vacuum responsive element whereby said first element controls the position of the main fuel valve until such time as the vacuum in the mixer upstream of the throttle valve equals or exceeds the manifold vacuum.

2,346,764
METHOD AND APPARATUS FOR MAKING SHEET MATERIAL
Edouard M. Kratz, Gary, Ind., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Application September 12, 1938, Serial No. 229,509
3 Claims. (Cl. 18—15)



1. The method of making sheet material which consists in forming a film of liquid material on a conveyor belt, propelling the conveyor belt and the film thereon through a multi-stage drying oven, applying successively increased drying temperatures to the web in a series of successive stages of the oven, then subjecting the film to successively reduced drying temperatures in successive stages of the oven, and thereafter removing the finished web from the conveyor belt.

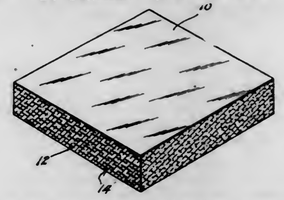
3. In a machine of the character indicated, the combination of a conveyor belt, means for propelling said conveyor belt, means for delivering a plurality of streams of predetermined liquid mixture or solution to said conveyor belt, means located in proximity to said nozzles for effecting mixture of at least two component solutions, and means for delivering predetermined proportions of said component solutions to said mixing means.

2,346,765
APPARATUS FOR MAKING SHEET MATERIAL
Edouard M. Kratz, Ogden Dunes, Ind., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Original application September 12, 1938, Serial No. 229,509. Divided and this application August 29, 1940, Serial No. 354,641
4 Claims. (Cl. 18—15)



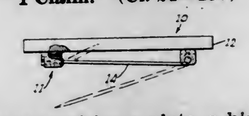
2. In apparatus of the class described, a horizontal endless belt conveyor supported only at its ends and of such length as to necessarily assume a substantial catenary between its ends, means for spreading liquid material on said conveyor at one end of the upper reach thereof, an oven enclosing said conveyor and provided with longitudinally extending partitioning means intermediate the upper and lower reaches of the belt for forming with the upper and lower walls respectively of the oven, separated passes for the respective reaches of the conveyor, said oven being arched longitudinally to approximate said catenary of the conveyor and being of such cross sectional area throughout its length as to provide between the material supporting surfaces of the upper and lower reaches of the conveyor and the upper and lower walls respectively of the oven, passageways of approximately constant cross sectional area throughout the length of the oven, means for circulating a drying medium longitudinally in said passageways in contact with the material supporting surfaces of the respective reaches of the conveyor, and means for removing the resulting dried film from the lower reach of the conveyor.

2,346,766
LIGHT POLARIZER
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application September 25, 1941, Serial No. 412,281
17 Claims. (Cl. 88—65)



1. A light-polarizing device comprising, in combination, a sheet of a transparent plastic material having suspended therein a multiplicity of fibers having dichroic material incorporated therewith, said fibers being oriented in substantially parallel relation.

2,346,767
SAFETY CATCH FOR BAR PINS AND THE LIKE
Agnes M. La Paglia, Livingston, N. J.
Application March 6, 1943, Serial No. 478,211
1 Claim. (Cl. 24—157)



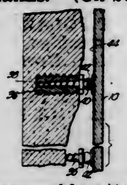
A bar pin comprising a plate, a hinge thereon, a pin hinged thereto, a safety catch for said pin comprising a member soldered to said plate and formed with a part cylindrical opening, and a constricted opening communicating therewith, a member rotatable on said first member including a part cylindrical wall having a slot received in said part cylindrical opening, an end wall at one end of said part cylindrical wall formed with outwardly extending spaced fingers forming a slot therebetween extending to the center of said end wall and communicating with the slot in said part cylindrical wall, the other end of said part cylindrical wall being riveted over the first member at the inner end of the latter to prevent said second member from coming out of said first member, said pin passing through the slot in said end wall.

2,346,768
CATALYTIC ISOMERIZATION
Kenneth C. Laughlin, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 14, 1939, Serial No. 294,871
11 Claims. (Cl. 260—683.5)

1. An improved process for isomerizing normal paraffin hydrocarbons containing at least four carbon atoms per molecule comprising subjecting said normal paraffin to the action of a bath of

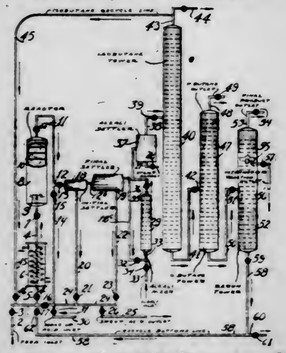
an aluminum halide taken from the group consisting of aluminum bromide and aluminum chloride maintained in the liquid phase while maintaining the reaction mixture under isomerization reaction conditions.

2,346,769
WALL COVERING FIXTURE
Samuel P. Lichtor, Kansas City, Mo.
Application March 30, 1942, Serial No. 436,793
2 Claims. (Cl. 20—4)



1. Means for removably attaching stiff panels to a supporting wall, comprising anchoring elements mounted on the wall in spaced apart relation; yieldable parts at each anchoring element for engaging the same to releasably hold the panel in place; and a strip of material common to a number of said parts for mounting the parts on the panel, said anchoring element having heads disposed in a common plane spaced outwardly from the surface of the wall, whereby to support evenly, the panels over walls having uneven faces.

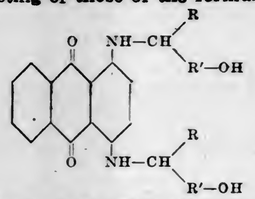
2,346,770
CATALYTIC ALKYLATION PROCESS
Prentiss Lobdell, Elizabeth, and George L. Mateer, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 27, 1939, Serial No. 258,640
8 Claims. (Cl. 260—683.4)



4. In a process of producing normally liquid, saturated, branched chain hydrocarbons boiling within the gasoline range by reacting a paraffin mixture containing isoparaffin and normal paraffin wherein both types of paraffins have the same number of carbon atoms per molecule with a monoolefin, the isoparaffin being in substantial molar excess over the monoolefin, in the presence of an alkylation catalyst under alkylation reaction conditions, the improvement which comprises separating from the reacted mixture a fraction comprising essentially only unreacted isoparaffin and any lighter hydrocarbons formed followed by the separation from the resulting residual reacted mixture of a fraction comprising essentially only normal paraffin and at least partially introducing the isoparaffin of the first separated fraction into an alkylation reaction.

2,346,771
ANTHRAQUINONE COMPOUNDS
Frank Lodge, Arthur Lowe, and William Wyndham Tatum, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 1, 1941, Serial No. 413,234. In Great Britain October 8, 1940
5 Claims. (Cl. 260—379)

1. The alkali metal salts of the sulfuric acid esters of the anthraquinone compounds of the class consisting of those of the formula

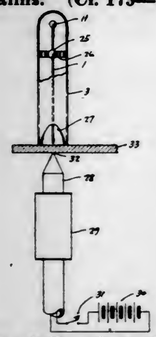


in which R stands for alkyl and mono-hydroxyalkyl radicals, R' stands for an alkylene radical, and in which each hydroxy substituted branched chain alkylamino group contains not more than 5 carbon atoms.

2,346,772
PROCESS FOR THE MANUFACTURE OF 5-CHLORO-QUINIZARIN
Ralph N. Lulek, Wilmington, Del., and Edwin C. Buxbaum, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 25, 1942, Serial No. 452,366
2 Claims. (Cl. 260—383)

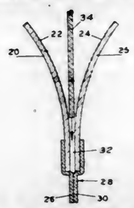
1. The process for preparing 5-chloro-quinizarin which comprises heating a compound of the group consisting of 1-nitro-5-chloroanthraquinone and 1-amino-5-chloroanthraquinone in sulfuric acid in the presence of boric acid and sodium nitrite at temperatures of from 150° to 220° C., and isolating the resulting 5-chloro-quinizarin.

2,346,773
MAGNETIC INDICATOR
John W. McBride, Andrew S. McBride, and Walton F. McBride, Burbank, Calif.
Application June 7, 1941, Serial No. 397,142
4 Claims. (Cl. 175—183)



1. In a device of the character described, a needle of magnetic material, an open ended tubular member, and a universal pivot structure carried by the tubular member for said needle and so arranged as to position the free end of the needle adjacent the open end of the tube.

2,346,774
MEANS FOR FORMING IMAGES
Joseph Mahler, Brookline, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application March 27, 1941, Serial No. 385,432
3 Claims. (Cl. 88—29)

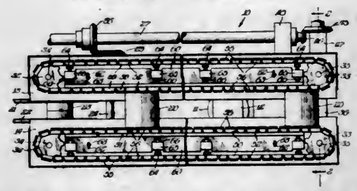


1. An article of manufacture comprising a pair of sheets of plastic material, each of said sheets carrying thereon a relief comprising water-absorbing material, each of said reliefs defining a predetermined image, said images comprising respectively right and left eye stereoscopic images, one of said images being reversed from right to left with respect to the other said image, said sheets being positioned with the relief thereon in face-to-face relation and with said images in relative stereoscopic registry, and means providing a hinged connection between said sheets along an edge thereof, said reliefs being adapted to absorb aqueous solutions of dichloric dyes and to transfer said solutions to a sheet of molecularly oriented polyvinyl alcohol when brought into contact therewith.

2,346,775
FIXING AGENT AND PROCESS FOR FIXING COLLOID RELIEFS
Joseph Mahler, Brookline, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
No Drawing. Application November 12, 1941, Serial No. 418,675
2 Claims. (Cl. 95—88)

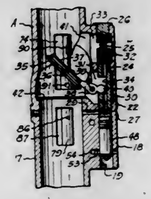
2. In a process of making light-polarizing images which comprises preparing a colloid relief of a predetermined image from a photographic colloid silver halide emulsion, wetting said relief with a dichroic dye and printing therewith upon a sheet of a molecularly oriented, transparent plastic, the step comprising simultaneously fixing said relief and wetting it with a dichroic dye by imbibing said relief in an aqueous solution containing tri-iodide ions.

2,346,776
SEALING APPARATUS
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application June 20, 1941, Serial No. 398,990
17 Claims. (Cl. 93—6)



1. A sealing apparatus of the character described for adhesively securing surfaces together with a strong, smooth and substantially uniform bond comprising means for supporting an article or the like having contacting surfaces with adhesive therebetween, means including a pressure plate of substantial area for applying a pressure on said article or the like to press said contacting surfaces together, and means for causing said pressure plate to wobble in opposite directions a plurality of times while in contact with the article to vary said pressure during setting of the adhesive.

2,346,777
FLOW DEVICE
Roy E. Millican, Dallas, Tex., assignor of fifty-four and one-half per cent to Carlton Meredith, Dallas, Tex.
Application February 16, 1942, Serial No. 431,067
18 Claims. (Cl. 103—232)

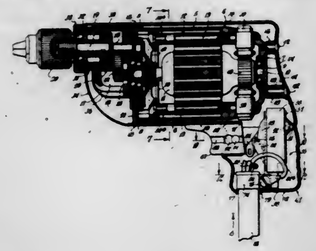


1. A flow device including, a well tubing, a tubular body adapted to be connected in the tubing and having a lifting fluid inlet passage, means below the point of admission of the fluid into the body for closing the bore thereof, the inlet passage having communication with the bore of the body above the closure means so as to conduct the fluid into the tubing above said closure means and also having communication with said body bore below the closure means, whereby the fluid flowing through said inlet passage will act upon the well liquids to draw said liquids from the tubing and cause the same to by-pass said closure means and flow through the inlet passage back into the tubing above the closure means, a spring-pressed plunger for controlling the admittance of the lifting fluid to the inlet passage, and pressure-responsive means in said passage between the plunger and the upper end of the passage exposed to the well liquids and the lifting fluid and actuated by the differential in pressures thereacross to automatically close said passage to prevent admission of fluid when no liquids are present in the body.

2,346,778
PORTABLE HAND HELD ELECTRIC TOOL
Walter George Mitchell, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application October 16, 1942, Serial No. 462,245
14 Claims. (Cl. 172—36)

1. A portable hand held electric tool having a rotatable spindle and an electric motor for driving the same, a skeleton metal frame within the tool providing a support for the motor and the spindle and having a flange formation at the front end of the frame, a housing for the tool having a cover section about the motor and the frame and a handle at the rear end of the tool, said handle being secured to the rear end of the frame and holding the cover in enclosing relation about the motor and the frame, said cover having forwardly extending tongues at its front

end fitting over the flange formation on the frame for holding the cover in connected rela-



tion therewith, and a switch device for the motor carried by and operable from the exterior of the handle.

2,346,779
PRICE CARD RACK
Julius J. Muehling, St. Louis, Mo.
Application October 21, 1941, Serial No. 415,983
1 Claim. (Cl. 40—16)



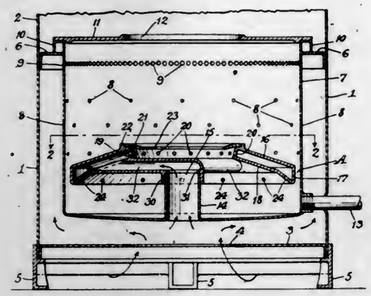
A price card rack comprising an elongated bar of rectangular formation in front elevation, price card receiving pockets formed in the bar opening through the top of the bar, sight openings formed in the front of the bar communicating with the pockets, transparent price cards in the pockets, openings formed in the rear of the bar communicating with pockets through which the cards in the pockets are illuminated, end walls projecting rearwardly from the bar, a neon lamp carried by said end walls, plug-in connectors forming the holders of the neon lamp, a base for the elongated bar, a reflector hinged to the base engaging the end walls of the bar and means for holding the reflector closed.

2,346,780
FUEL TREATING AGENT
John W. Orelup, Short Hills, N. J.
No Drawing. Application December 8, 1941, Serial No. 422,107
14 Claims. (Cl. 44—59)

1. A composition of matter for coloring petroleum products comprising a combination of alkyl substituted diphenyl with a dyestuff suitable for coloring petroleum products.

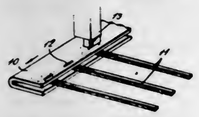
2,346,781
POT-TYPE BURNER WITH HOLLOW PILOT
Stanley Perry, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application August 8, 1941, Serial No. 405,932
1 Claim. (Cl. 158—91)

In combination in a pot type burner, a burner pot having a circumferential side wall with a plurality of air inlet apertures located at various levels therein, a liquid fuel duct extending to said pot, said pot having a closed bottom and an open top, an air inlet passage upwardly extending from the center of the bottom of the pot and an air distributor located at the upper end of said passage and including a hollow ring, the outer edge of which approaches but is spaced from the side wall of the pot at a level below the lowest of the air inlet apertures in the wall, said ring



having a lower wall provided with a plurality of air outlet apertures adapted to direct air downwardly and inwardly toward the bottom of the pot, and air conduits and supports extending generally radially outwardly from said central air inlet passage to said ring, the ring having a central aperture, and a centrally apertured pilot ring partly closing the aperture of the hollow ring.

2,346,782
METHOD OF MANUFACTURING APPLICATORS OR DAUBERS
Sebastian Piluso, Jersey City, N. J., assignor to Liberty Cork Co., Inc., Jersey City, N. J., a corporation of New Jersey
Application August 22, 1942, Serial No. 455,821
8 Claims. (Cl. 300—21)

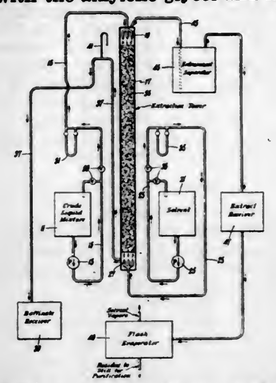


1. A method of manufacturing applicators of the class described for applying pasty and liquid substances comprising the steps of providing a strip of absorbent material, of folding said strip longitudinally, of inserting sticks adapted for applicators spaced apart into a fold of said strip of absorbent material, of fastening one end of said sticks to said strip, of sharpening the other end of each of said sticks and of dividing said strip into individual pads, each attached to a stick.

2,346,783
PURIFICATION OF ETHERS OF DIETHYLENE GLYCOL
Argyle Campbell Plewes, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application June 26, 1941, Serial No. 399,843
12 Claims. (Cl. 260—616)

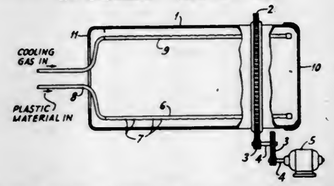
1. Process for separating and recovering a diethylene glycol monoalkyl ether from a mixture thereof containing an alkylene glycol, which comprises extracting such mixture with a saturated aliphatic hydrocarbon which selectively dissolves

said ether and which does not form azeotropic mixtures with the alkylene glycol and is substan-



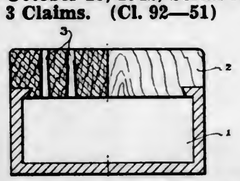
tially immiscible with the latter, and separately recovering from the resultant extract the diethylene glycol monoalkyl ether.

2,346,784
METHOD OF AND MEANS FOR MAKING POLARIZING BODIES
Leon Pollack, Brooklyn, N. Y., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 2, 1938, Serial No. 193,544
11 Claims. (Cl. 18—26)



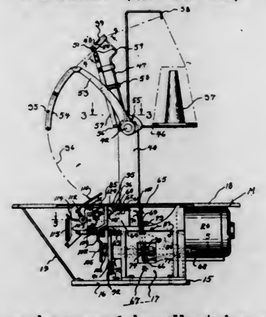
1. A centrifugal machine comprising a hollow rotatable drum, means for depositing in the interior of said drum a plastic material containing orientable crystals, and means for applying a unidirectional electrostatic field to said material while in said drum for orienting the polarizing axes of said crystals into substantial parallelism, said means including a plurality of spaced electrical conductors in the interior of said drum, adjacent conductors of which have opposite polarities.

2,346,785
SUCTION BOX TOP FOR PAPERMAKING MACHINES
Jean Proulx, Hull, Quebec, Canada
Application October 15, 1942, Serial No. 462,449
3 Claims. (Cl. 92—51)



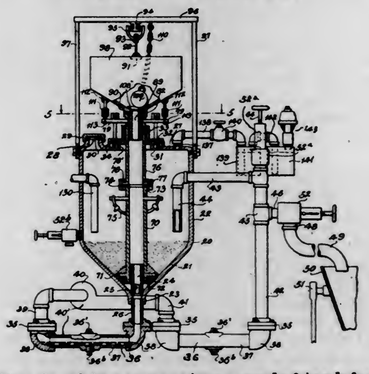
1. For a suction box cover for a paper making machine, an end-of-grain wood block having the fibres and pores thoroughly impregnated with a mixture of wax and lanolin, the lanoline being in the proportion of about ½–10%.

2,346,786
TYING MACHINE
Frank Radeck, Milwaukee, Wis., assignor to Felins Tying Machine Company, Milwaukee, Wis.
Application September 5, 1941, Serial No. 409,676
6 Claims. (Cl. 100—31)



1. In a package and bundle tying machine, a frame, a table for supporting the bundles or packages to be tied mounted upon said frame, a constantly operating motor carried by said frame and mounted below the table, a main operating shaft rotatably carried by the frame and disposed below the table, a clutch including a movable clutch section for operatively connecting the motor to the shaft, spring means normally urging the movable clutch section into driving engagement with the other clutch section, said movable clutch section being feathered on the shaft, a radially extending pin carried by the movable clutch section, a cam normally disposed in the path of the pin for causing the pin to draw the movable clutch section away from the other clutch section during the rotation of the shaft, and means for momentarily moving the cam out of the path of said pin including a spring-pressed hammer, a trip normally projecting above the table and in the path of the packages or bundles, for placing the hammer under tension when depressed by the packages or bundles, whereby upon movement of the packages or bundles past the trip the spring-pressed hammer will actuate the cam.

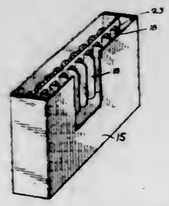
2,346,787
ORE PROCESSING APPARATUS
Clarence S. Ramsey, Springfield, Ohio
Application March 23, 1940, Serial No. 325,647
7 Claims. (Cl. 23—272.6)



1. In a leaching apparatus, a sealed tank having a conical bottom, means to establish therein a cir-

culation of liquid including a conduit communicating at one end with tank at the apex of the conical bottom and at the other end with an upper portion of the tank, means to circulate liquid through the conduit, a stand pipe element movable vertically in the tank, and in its lowermost position communicating with the conduit at the bottom of the tank and having its upper end below the top of the tank, a vertically movable tube slidable through the top of the tank, constructed and arranged to engage with and form a sealed continuation of the stand pipe, a hopper tank constructed and arranged to deliver to said tube, means to lift said hopper and tube as a unit and means to form a sealed joint between the hopper and the tube when the two are engaged.

2,346,788
SEPARATOR FOR CARTRIDGE CARTONS
Eugene B. Rice, Denver, Colo.
Application August 8, 1941, Serial No. 405,933
4 Claims. (Cl. 229—28)



1. A separator for use in cartridge cartons, comprising two sheets of cardboard arranged in face contacting back to back relation, at least one row of correspondingly positioned tongues cut from each sheet, the tongues being hinged along spaced parallel fold lines forming a hinged connection at one end of the openings, the hinged connection on one sheet substantially coinciding with the hinged connection on the other sheet, each tongue being hinged to project from its respective sheet forming an opening, the rear portion of each tongue having an integral ear projecting therefrom, in the plane thereof, and extending through the opening in each sheet, the ear of each tongue on one sheet contacting the corresponding tongue of the other sheet and forming means for holding each tongue in outwardly projecting position.

2,346,789
WELL LOGGING
Edwin E. Roper, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application June 15, 1942, Serial No. 447,175
6 Claims. (Cl. 250—83.6)

1. A method of determining information on the extent and contents of earth formations penetrated by a well including the steps of measuring the penetrating radiation from said formations at a plurality of points in a zone in said well, determining the response of the apparatus used for measuring said penetrating radiation to varying amounts of potassium, and determining the relative amounts of potassium in said formation in said zone, whereby said measurements of penetrating radiation can be modified in order to eliminate the effect on said measurements of radioactive potassium.

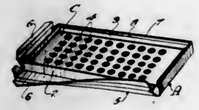
2,346,790
AZO DYESTUFF
Swanie S. Rossander, Chiles E. Sparks, and Carl W. Maynard, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1941, Serial No. 394,853
1 Claim. (Cl. 8—44)

A printing paste comprising an acid-reacting aryl diazo salt and picolinic acid.

2,346,791
SIZE FOR TEXTILE FABRICS
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 14, 1942, Serial No. 430,884
12 Claims. (Cl. 260—9)

1. A textile fiber size comprising a mineral oil aqueous emulsion of a polymerized terpene hydrocarbon resin.

2,346,792
CARDBOARD BOX
Augustus T. Rush, Orange, N. J., assignor to Newark Paper Box Company, Newark, N. J., a corporation of New Jersey
Application September 11, 1942, Serial No. 457,905
3 Claims. (Cl. 229—40)

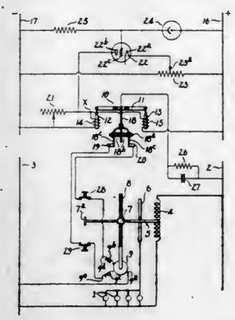


1. A package of the character described comprising a box having bottom and side walls and an open top bounded by the edges of said side walls, an article-positioning unit within said box with its sides abutting the respective said side walls and with its top side below said edges of said side walls and exposed through said open top, and flexible strips of material overlying and adhesively secured to the top surface of said unit, said strips also overlying and being adhesively secured to the inner surfaces of said side walls above said unit, whereby said strips hold said unit within said box.

2,346,793
DERIVATIVE OF ROSIN AND ROSIN COMPOUNDS
Emma D. Schultz, New London, Conn., and William E. Shaefer, Kennett Square, Pa., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 9, 1941, Serial No. 414,276
22 Claims. (Cl. 260—100)

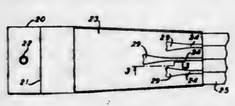
15. A hydrogenated rosin material selected from the group consisting of hydrogenated rosin and hydrogenated rosin esters, characterized by being substantially completely saturated with hydrogen and having absorbed at least 1.22% hydrogen on the basis of the rosin equivalent of the unhydrogenated rosin material.

2,346,794
MOTOR OPERATED AUTOMATIC REGULATOR
Edwin W. Seeger, Wauwatosa, Jurg A. Senn, Milwaukee, and Carroll Stansbury, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 26, 1941, Serial No. 420,462
14 Claims. (Cl. 315—151)



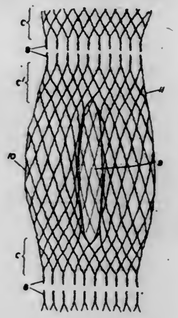
1. A control system for controlling the light output of an electric lamp to maintain the illumination of a surface illuminated thereby and by an uncontrolled light source jointly at a degree of illumination above a given minimum, comprising, in combination, an electric lamp, a circuit therefor, a photo-electric cell having a characteristic responsive to the degree of the total illumination of said surface, an electron tube connected to a source of energy, adjustable means to effect response of said electron tube to the operation of said photo-electric cell, a relay responsive to the current of said tube, an alternating current motor having a pair of reversing windings normally connected by said relay in parallel with each other and in series with an impedance across an alternating current source for stopping said motor, said relay upon response operating to disconnect one of said reversing windings from circuit to cause said motor to rotate in opposite directions selectively, and a regulator operable by said motor and adapted to vary the voltage impressed upon the circuit of said electric lamp.

2,346,795
MEANS FOR DIVIDING FLUIDS
John N. Selvig, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 29, 1942, Serial No. 440,961
6 Claims. (Cl. 302—14)



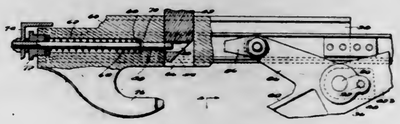
1. A trough to carry a flow of liquid, in combination with means mounted in the trough to divide the flowing liquid into separate streams and comprising a stationary liquid dividing member elongated in the direction of flow and having the upstream end thereof formed with a reentrantly curved liquid dividing face transverse to the direction of flow.

2,346,796
MACHINE MADE HAIR NET AND THE LIKE
Robert Shaw, Nottingham, England, assignor to Robert Shaw & Company, Limited, Nottingham, England
Application January 4, 1943, Serial No. 471,286
In Great Britain January 7, 1942
3 Claims. (Cl. 132—49)



1. A machine-made hair net, comprising a length of tubular twist-lace fabric, the ends of complemental strands in the front and rear faces of the tube at each end thereof being joined to close such ends, and the side of said tube having a longitudinal opening intermediate said closed ends.

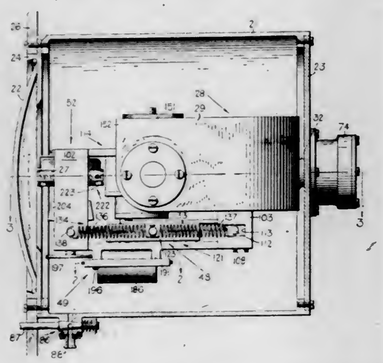
2,346,797
LANDING GEAR
John Harris Stephens, West Chester, Pa., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application April 16, 1941, Serial No. 388,789
12 Claims. (Cl. 244—102)



2. In a retractable landing gear for an airplane having the conventional oleo strut-supported wheel, a drag strut, a track adapted to receive and guide said drag strut retracting mechanism and an up-lock; a down-lock comprising a hook-like member adapted to receive a portion of said drag strut, said hook-like member which forms a part of the direct load bearing structure being rigidly secured to said track at the point of intersection of said track with a direct load bearing structure.

4. A down-lock for airplane landing gears comprising a drag strut assembly, a track for guiding movement of said drag strut assembly, a load bearing structural member adjacent said track and adapted to receive a portion of said drag strut assembly when same is in down position, and means rendered operative by the drag strut assembly when riding on said track into said structural member for wedging and locking said drag strut assembly to said member whereby all stress in said drag strut is transmitted to said member and no stress is transmitted to said track.

2,346,798
NAVIGATIONAL INSTRUMENT
Thomas O. Summers, Jr., Los Angeles, Calif.
Application February 28, 1939, Serial No. 258,931
8 Claims. (Cl. 73—152)



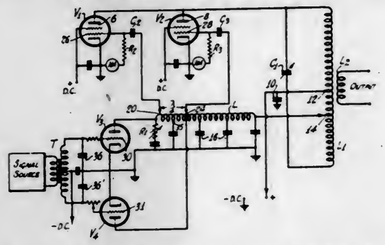
2. An instrument of the character described, comprising a mass mounted for oscillatory movement within said instrument whereby it is sensitive to accelerations of said instrument in the direction of said oscillatory movement to be moved by inertial forces proportionally with the magnitude of said accelerations, means for holding said mass stationary within said instrument when it arrives at the position appropriate to any acceleration responsible for its movement thereto, said holding means being operable by the same accelerations as those causing movements of said mass and remaining operative only so long as the acceleration responsible for its operation remains constant, and a mechanical integrator associated with said mass to be operated thereby proportionally with movements thereof.

2,346,799
RESILIENT TIRE
William A. Tripp, Winthrop, Mass.
Application January 7, 1942, Serial No. 425,829
10 Claims. (Cl. 152—276)



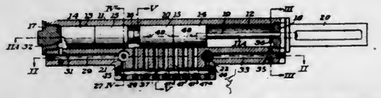
1. A tire comprising a flexible casing, arcuate springs disposed in said casing transversely thereof for sustaining the latter cross-sectionally, and means positively preventing outward yielding under any tire load of the springs at the opposite portions thereof where maximum outward yielding would otherwise occur.

2,346,800
WAVE LENGTH MODULATOR
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1942, Serial No. 444,634
10 Claims. (Cl. 179—171.5)



1. In a wave length modulation system, a pair of electron discharge devices each having an anode, a cathode, and a control grid, a tuned tank circuit, connections tying said anodes together and to one end of said tank circuit, a coupling between the cathode of said tubes and a point on said tank circuit, a two-wire transmission line comprising reactance including distributed capacity, a coupling between one end of said line and the reactance of said tank circuit, a variable impedance in shunt to the other end of said line, said variable impedance substantially matching the surge impedance of said line, connections coupling the control grids of said tubes and spaced points on said line to feed voltages to said control grids which substantially oppose the voltages on the anodes of said tubes whereby oscillations are generated in said tubes and set up in said tank circuit, the distance between said points being substantially equal $\lambda/4$, where λ is the length of the oscillations generated, and means for controlling said variable impedance in accordance with signals.

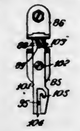
2,346,801
FLUID DOSING DEVICE
William Mayo Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application June 11, 1942, Serial No. 446,569
6 Claims. (Cl. 184—7)



4. In a fluid-dosing device, a block having a bore therein forming a dosing cylinder, a piston reciprocable in said bore, a pair of valve cylinders bored in said block lying in a plane parallel to and spaced from the dosing cylinder, the valve cylinders being at right angles to the dosing cylinder, an inlet near one end of each valve cylinder, a passage from a point near the inlet end of each valve cylinder to a point near the other end of the other valve cylinder, a connection from a point intermediate the ends of each valve cylinder to the adjacent end of the dosing cylinder, each valve cylinder having a port between said passages, a valve piston reciprocable in each valve cylinder having a cut-away portion intermediate its ends, said valve pistons being so dimensioned that when in one extreme position they block communication between one end of one of said passages and the inlet and also between said connection and said port, and when in the other extreme position the valve blocks

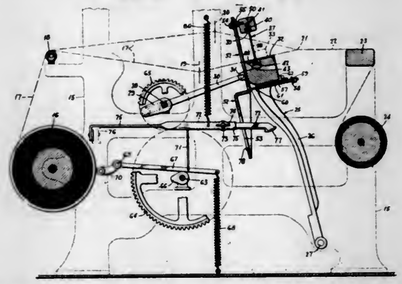
communication between the end of the other of said passages and said port and said portion overlaps the connection and said port, said valve pistons normally being disposed in opposite extreme positions, each valve piston being movable alternately under the pressure of fluid in the inlet of its valve cylinder, from the first-mentioned position to the second-mentioned position, thereby connecting one end of the dosing cylinder to the port of the cylinder of the actuated valve piston, opening communication between said inlet and said one end of said one of said passages, and admitting fluid therethrough to the other valve cylinder to cause the valve piston therein to move sequentially from the second-mentioned position to the first-mentioned position and admit fluid to the other end of the dosing cylinder, and means extending between the ports in the valve cylinders and the points to which fluid is to be delivered for comveying the fluid from said ports to said points.

2,346,802
RECORDING APPARATUS
Joseph Walker, Berwyn, Ill.
Application August 9, 1940, Serial No. 351,920
6 Claims. (Cl. 234—70)



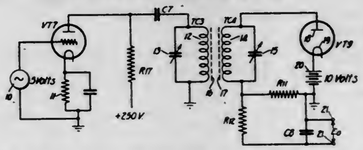
1. In a recording apparatus, a marking pen, means for moving a mark receiving surface underneath said pen, supporting means for said pen adapting the same to move in a horizontal plane to change the position of the line it draws on said surface, a pair of magnets mounted one above the other, a common element adapter to be moved in either direction in a vertical plane by said magnets, and translating means for causing the movement of said element to control the movement of said pen.

2,346,803
LOOM
Edward Welti, Astoria, Long Island, N. Y., assignor, by mesne assignments, to Milton H. Schiffer, New York, N. Y.
Application April 9, 1941, Serial No. 387,617
5 Claims. (Cl. 139—188)



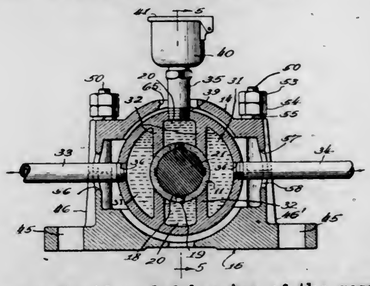
5. A loom for weaving petit point fabric comprising a lay, means for reciprocating said lay, a reed pivotally mounted on said lay and normally held stationary relative thereto, said reed having spaced teeth which are wider than the spaces therebetween and each space being designed to receive two warp threads one above the other, a shuttle for laying a pick of weft on each reciprocation of the lay, and means to cause relative movement between the lay and the reed on each alternate forward beat of the lay whereby the reed is retarded relative to the lay.

2,346,804
FREQUENCY SELECTIVE TRANSMISSION NETWORK
Sidney Y. White, Wilmette, Ill., assignor to Victor S. Johnson, Chicago, Ill.; Alex Thomson administrator of said Victor S. Johnson, deceased
Application April 1, 1942, Serial No. 437,140
6 Claims. (Cl. 250—20)



1. A frequency selective transmission network comprising, in combination, a limiter tube, a resonant circuit having a low ratio of reactance to resistance and a detecting device connected in cascade and including parts which are unresponsively related below a predetermined threshold value of applied voltage, said parts having interacting and responsive relationship above said threshold value of applied voltage, whereby the ratio between the selectivity and the number of cycles required to build up to full amplitude in the output of said transmission network is markedly increased over the ratio inherent in any resonant circuit alone.

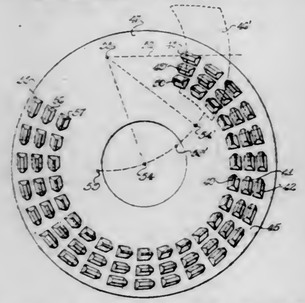
2,346,805
LIQUID COOLED BEARING
Robert H. Whiteley, Oak Park, Ill., assignor to Randall Graphite Products Corporation, Chicago, Ill., a corporation of Delaware
Application November 9, 1942, Serial No. 464,988
8 Claims. (Cl. 308—77)



2. In a liquid cooled bearing of the reservoir type, the combination of a bearing bushing having its bearing surface provided with grooves and having apertures leading from certain of said grooves through said bushing, said apertures and said grooves being filled with an initially plastic porous lubricant conducting compound baked in place, and a reservoir body, said reservoir body having three inwardly extending flanges separated by annular chambers, and said inwardly extending flanges terminating at the walls of aligned bores for receiving said bushing, said bushing having a liquid-tight frictional fit in said bores, single conduit means communicating with one of said chambers to provide a supply of lu-

bricant, and inlet and outlet conduit means communicating with the other of said chambers to supply a liquid coolant, said porous carbon conducting members in said apertures communicating with that portion of the reservoir housing having the first-mentioned chamber for lubricant whereby the bearing surface is constantly supplied with lubricant and maintained at a predetermined temperature by means of the coolant in the other chamber of said reservoir housing, the coolant being in direct contact with the exterior of said bushing.

2,346,806
GEAR CUTTER
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 16, 1939, Serial No. 279,523
20 Claims. (Cl. 29—105)



1. A tool for generating longitudinally curved tooth tapered gears in an intermittent indexing operation comprising a rotary head and a plurality of cutting blades which project beyond one side face of the head in the general direction of the axis of the head, said blades being of progressively varying width in a plane perpendicular to the axis of the cutter and being of progressively varying height and progressively varying point width and being arranged at progressively varying radial distances from the axis of the head and having their opposite side-cutting edges converging in points which lie in a spiral curve of varying axial position whose lead is less than the pitch of the gear to be cut.

3. Rotary cutting apparatus for generating longitudinally curved tooth gears in an intermittent indexing operation having cutting blades arranged in a plurality of rows about its axis and projecting beyond one side face, the different rows of blades being adapted to cut simultaneously in different tooth spaces of the work, respectively, the blades in one of the rows, at least, being of progressively varying height and being arranged in a spiral whose lead is less than the pitch of the gear to be cut, said spiral being nonparallel to the curves in which the blades of the other rows are arranged.

2,346,807
METHOD OF CUTTING GEARS
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Original application June 16, 1939, Serial No. 279,523. Divided and this application August 13, 1940, Serial No. 352,376
19 Claims. (Cl. 90—5)

1. The method of cutting a gear which comprises employing a rotary cutter, that has a plurality of cutting blades projecting beyond one side face in the general direction of its axis and arranged part-way around its periphery in a spiral whose lead is less than the pitch of the gear to be cut and with a gap between the last and first blades, and rotating said cutter in engagement with a gear blank while producing a relative rolling movement between the cutter and blank in time with the cutter rotation so that different blades of the cutter cut at different points along the length of a tooth space of the gear blank during the rolling movement, and indexing the blank when the gap in the cutter is abreast of the blank.

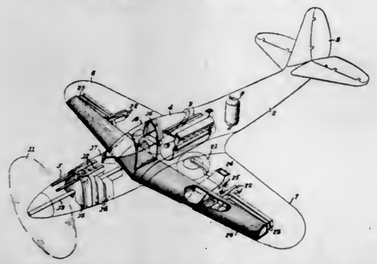


5. The method of cutting a gear which comprises employing a pair of cutters which have their cutting blades projecting beyond one side face in the general direction of said axis, one of said cutters having its cutting blades spaced at a constant radial distance from its axis and the other of said cutters having its cutting blades spaced at varying radial distances from its axis, mounting said cutters so that they are coaxial and will cut simultaneously in two different tooth spaces of the blank, rotating the cutters together about their common axis in engagement with the blank, and indexing the blank periodically.

2,346,808
LUBRICANT
Carl Winning, Union, and John G. McNab, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 7, 1940, Serial No. 333,772
13 Claims. (Cl. 252—48)

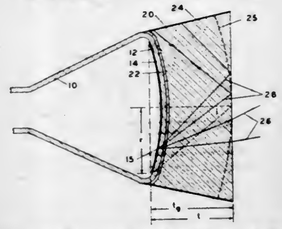
1. A lubricant comprising a major proportion of mineral oil base stock, 0.01% to 5% of an aliphatic alcohol having at least 8 carbon atoms, and 0.02% to 2% of an oil-soluble metal salt of an alkylated phenol.

2,346,809
AIRPLANE CONSTRUCTION
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application September 20, 1940, Serial No. 357,659
1 Claim. (Cl. 244—117)



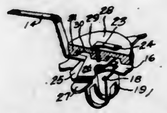
An airplane, the vital parts of which are protected by armor metal without decrease in maneuverability comprising a fuselage, a pair of bulkheads supporting the fuselage, a centrally located cockpit positioned intermediate the bulkheads, an apron attached to the fuselage and extending upwardly in front of the cockpit, a main airfoil, a wing beam of box construction extending substantially the length of the airfoil and passing through the fuselage beneath the cockpit, and a power unit positioned behind the cockpit and in line with the wing beam, said bulkheads, apron and wing beam being composed of armor metal.

2,346,810
CATHODE RAY TUBE
Clinton J. T. Young, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application November 13, 1941, Serial No. 418,878
6 Claims. (Cl. 250—164)



1. In a cathode ray tube having a wall thereof provided on its inner surface with a fluorescent screen, means for preventing undesirable light reflections, said means comprising a layer of transparent plastic material of an index of refraction less than that of the material of said wall, and a layer of adhesive bonding said plastic layer in optical contact with the outer surface of said wall, the index of refraction of said adhesive being less than that of the material of said wall and greater than that of said outer layer, the combined thickness of said wall and said layers being such that light emanating from a point on said screen and incident on the outer surface of said outer layer at angles approaching the critical angle thereof is reflected in directions which intercept the surface defined by said screen at points relatively remote from the point of origin thereon of said light.

2,346,811
AMMETER
Emil Zoerlein, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 17, 1941, Serial No. 423,277
2 Claims. (Cl. 171—95)

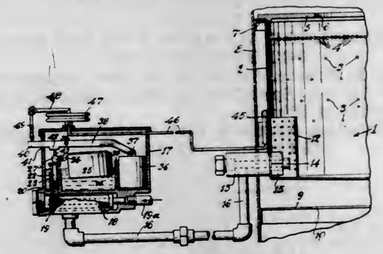


1. In an ammeter of the class described, a dial plate, an intermediate plate having a central depression, extensions from said dial plate engaging said intermediate plate to maintain said plate in spaced relationship, a permanent magnet in said depression, an armature pivotally mounted in said depression adjacent to said permanent magnet, magnetizable means arranged to impress a torque on said armature in response to a current to be measured, a pointer secured to said armature extending to and through said dial, and an inertia mass within said depression and secured to and adapted to move with said armature and pointer, said inertia mass being uniformly distributed about the pivot point of said armature, and effective to limit the response of said armature to intermittent impressed torques.

2,346,812
METHOD OF MAKING COATED PAPER
Donald B. Bradner, Mount Healthy, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
No Drawing. Application August 2, 1940, Serial No. 350,129
7 Claims. (Cl. 117—65)

1. Process of making coated paper having a cast surface which comprises applying an aqueous coating composition comprising a solution of protein adhesive, ammonia and a compound of a metal taken from the class of zinc, copper and cadmium, to a web of paper, contacting the coated side of the paper against a casting surface while the coating is still wet, drying the coating while in contact therewith and driving out ammonia while the paper is in contact therewith.

2,346,813
BELLOWS OPERATED ANTIFLOODING DEVICE FOR LIQUID FUEL BURNERS
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application July 11, 1941, Serial No. 401,918
2 Claims. (Cl. 158—42.4)

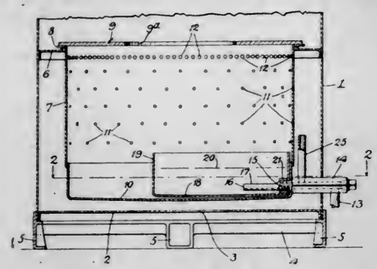


1. In combination, a burner, a fuel line extending to said burner, a float chamber in said fuel line, a control valve in said float chamber, a float in said float chamber adapted normally to control said valve in response to the level of the liquid fuel in the float chamber, an expansible member responsive to heat changes in the burner, and means for closing said valve in response to the movement of the expansible member, including a valve controlling member extending exteriorly of the float chamber and adapted for manual resetting, and an arm adapted to engage said valve control member, said arm being mounted for rotation about a horizontal axis, vertically aligned with the control member, whereby said arm is normally gravitally aligned with said control member and is in position to engage it when the expansible member contracts.

2,346,814
BURNER WITH FALSE BOTTOM
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application July 11, 1941, Serial No. 401,923
4 Claims. (Cl. 158—91)

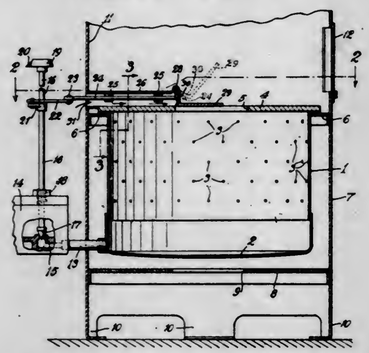
1. In combination, in a pot type burner, a burner pot having a bottom and a side wall, said

side wall having a plurality of air inlets located at various levels, an open topped separate supplemental container within said pot, having a bottom and a side wall, said container being positioned above the bottom of the pot, the bottom of the container being closely adjacent to and overlying the bottom of the pot, a liquid fuel supply pipe extending to said pot, and a liquid



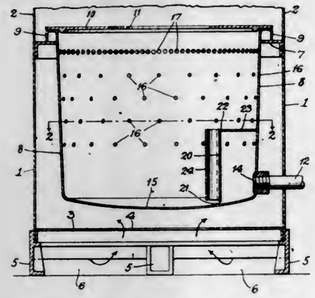
fuel nozzle in communication with said pipe, said nozzle being located within said supplemental container and being spaced above the bottom thereof, the diameter of said supplemental container being substantially less than the diameter of the pot, said supplemental container abutting against the side wall of the pot, and the liquid fuel nozzle extending into the container adjacent the point at which the container abuts against the pot.

2,346,815
SECONDARY AIR SUPPLY MEANS FOR POT TYPE BURNERS
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application August 8, 1941, Serial No. 405,918
11 Claims. (Cl. 158—91)



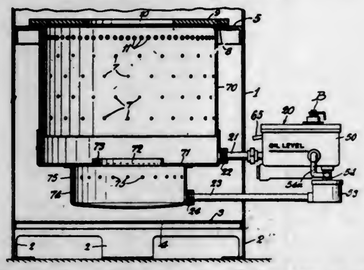
1. In combination, in a pot type burner for liquid hydrocarbons, a combustion chamber, a burner pot located below said combustion chamber and having a plurality of primary air inlet apertures located at various levels in its wall, means for supplying liquid fuel to the bottom of the pot, a restricting partition between the combustion chamber and the pot having a generally central aperture therein, and means for delivering secondary air to the combustion chamber at a level above said restricting partition, including an air duct extending inwardly from a wall of the combustion chamber and in communication with the air outside of said combustion chamber, a shutter element including a portion adapted when the shutter element is in closed position to close said secondary air duct, and another portion adapted when the shutter is in closed position substantially to reduce the effective area of said aperture in the restricting paritition.

2,346,816
SIDE WALL PILOT
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application August 8, 1941, Serial No. 405,920
5 Claims. (Cl. 158—91)



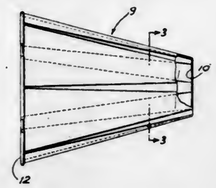
1. In combination, in a pot type burner, a burner pot having a plurality of air inlet apertures located at various levels, means for supplying liquid fuel to the bottom of the pot including a liquid fuel inlet member, and a pilot member, including a partition adapted to cut off from the rest of the interior of the pot a space adjacent and surrounding the fuel inlet member, said partition including an apertured generally horizontal top portion, and said partition being spaced from the pot bottom to admit liquid fuel from the space within said pilot member to the bottom of the pot outside of said pilot member, and an open ended flame tube the top of which is adjacent the apertured top portion of the pilot member and the lower end of which is adjacent the pot bottom.

2,346,817
POT WITH SUPPLEMENTAL PILOT CHAMBER
James L. Breese and Bruce Hayter, Santa Fe, N. Mex., assignors to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application February 21, 1942, Serial No. 431,792
10 Claims. (Cl. 158—91)



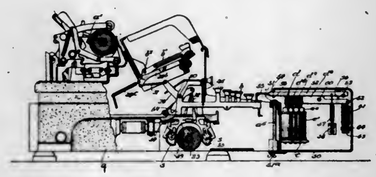
1. In combination, in an oil burner, a main burner pot having a side wall having air inlet apertures therein, and a bottom portion, and a pilot pot extending below said bottom portion, the interior of said pilot pot being in communication with the interior of the main pot, said pilot pot having one or more air inlet apertures, individual liquid fuel ducts extending to said main pot and said pilot pot, respectively, a float valve assembly in communication with both said ducts, and means for cutting off the fuel supply in response to flooding of the pilot pot.

2,346,818
MEGAPHONE
Robert A. Brown, Elizabeth, N. J.
Application October 3, 1941, Serial No. 413,406
2 Claims. (Cl. 181—27)



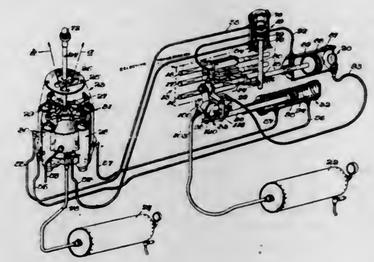
1. A megaphone constructed from a single sheet of flat stock comprising a tapered body portion increasing along its length in transverse section, the small end being provided with a flat apertured mouthpiece normal to the longitudinal axis of said body portion, the body portion comprising a plurality of truncated segments, the adjacent edges of said truncated segments being overlapped and connected by a segmentally shaped portion, the larger end of the body portion of said megaphone being provided with a rolled over stiffening bead.

2,346,819
AUTOMATIC CONTROL MECHANISM FOR MOTORIZED TYPEWRITERS
Arthur H. Buckley, Chicago, Ill.
Application August 7, 1941, Serial No. 405,738
7 Claims. (Cl. 197—20)



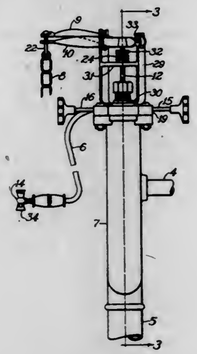
1. An attachment for a motorized typewriter, comprising a case provided with means for attachment to, and adapted to extend across, the front of the typewriter-frame, and automatic control mechanism for the typewriter-keys comprising a set of levers mounted in the case, pivotally supported at their front ends, and adapted to extend rearwardly over the front of the typewriter-frame to overlie and for individually shifting the key-levers of the typewriter, a series of permutably operable bars pivotally mounted in the case for selectively controlling the individual operation of the levers, means in the case for operating the levers to shift the key levers, the bars underlying the levers and being adapted to hold them in their normal position, means for shifting the bars to hold the levers in normal position, and means in the case for permutably operating the bars to control the individual operation of the levers.

2,346,820
POWER GEAR SHIFTING MECHANISM
Roger H. Casler and Stephen Vorech, Pittsburgh, Pa., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application November 8, 1933, Serial No. 697,193
59 Claims. (Cl. 74—335)



1. In a gear shifting mechanism comprising a shifting member operable to establish different gear relations, a control means therefor including pressure-operated devices for moving said member laterally and longitudinally for respectively selecting and establishing a desired gear relation, a plurality of valves for controlling the flow of fluid pressure to said devices, and a manually-operable control member movable laterally and longitudinally and simulating the movements of a conventional selective gear shift lever for operating said valves to control said devices in such a manner that said member is moved laterally and longitudinally in accordance with corresponding movements of said control member.

2,346,821
APPARATUS FOR SPOTTING FABRIC MATERIALS
William M. Cissell, near Louisville, Ky.
Application June 28, 1940, Serial No. 342,855
3 Claims. (Cl. 68—5)



1. In apparatus for treating and cleaning fabric materials, the combination of a mixing chamber, an inlet connection to said chamber from a source of steam, an inlet connection to said chamber from a source of water, a spotting gun, an outlet connection for supplying steam from said mixing chamber to said spotting gun, a nor-

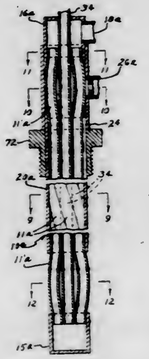
mally closed valve in each of said inlet connections, an actuating member for each valve, an operating member common to said valves, and operating connections from said operating member to said actuating members, and means in the operating connection of the water valve providing a predetermined lost-motion to effect opening of the steam valve ahead of the water valve and to permit opening and closing of the steam valve alone when said operating member is operated through distances not exceeding the lost-motion provided in the operating connection to said water valve, whereby steam of varying wetness is supplied to said gun.

2,346,822

HEAT TRANSFER APPARATUS

Gilbert E. Clancy, Santa Fe, N. Mex., assignor to Drayer & Hanson, Incorporated, Los Angeles, Calif., a corporation of California

Application November 8, 1941, Serial No. 418,341
4 Claims. (Cl. 257—222)



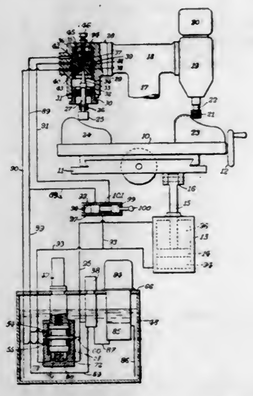
1. In a heat exchange unit, the combination of a plurality of tubes having walls of heat conducting material closely interengaging each other throughout a substantial portion of their lengths, a tubular housing of heat conducting material closely confining the interengaging portions of said tubes, the several tubes and housing being in close heat conducting contact with each other, the housing having inlet and outlet fluid openings at its opposite ends, the outer surfaces of the interengaging tubes and the inner surface of the housing defining a plurality of laterally closed fluid passageways extending longitudinally within said tubular housing, the plurality of tubes having portions near their opposite ends, and beyond the ends of the closely confining housing, spread apart from each other to form fluid flow spaces to and from the laterally closed fluid passages between the tubes, a fluid connection head joined to each end of said plurality of tubes, said heads being spaced from the ends of the closely confining housing, and an enlarged tubular housing surrounding one of the spread-apart portions of the tubes between one end of the closely confining housing and one head and having a fluid flow connection, one of said tubes having an end projecting beyond the corresponding ends of others of the tubes and projecting through the one said head to form a fluid flow connection.

2,346,823

PROFILE DUPLICATING MACHINE

Edward Claude Shakespeare Clench and Quintin Healey Carlton, Leamington Spa, England, assignors to Automotive Products Company Limited, Leamington Spa, England

Application March 13, 1942, Serial No. 434,590
In Great Britain March 17, 1941
7 Claims. (Cl. 90—13.5)



1. In a duplicating machine including a pattern follower, a cutting tool and a work support, means for relatively moving the cutting tool and work support toward and away from one another in response to pattern controlled movement of the follower which comprises, a source of pressure fluid, a fluid reservoir, a double acting piston and cylinder unit having two working spaces and having its movable member connected to relatively move the work support and the cutting tool toward and away from one another, a valve housing, a conduit connecting said housing with one of the working spaces of the piston and cylinder unit, a conduit connecting said housing with said source, a conduit connecting said housing with said reservoir, valve means in said housing connected to move in response to displacement of the follower, from a neutral position closing the first named conduit, in one direction to establish communication between the source and the first named conduit and in the other direction to establish communication between the reservoir and the first named conduit, and a valve member which is operable separately from said valve means in response to fluctuation in pressure from a predetermined value in the first named conduit for establishing a passageway between the other working space of said piston and cylinder unit and said source upon decrease in pressure in said first named conduit and for establishing a passageway between said other working space of said piston and cylinder unit and said reservoir upon increase in pressure in said first named conduit.

2,346,824

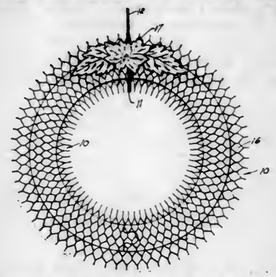
ORNAMENTAL ARTICLE AND METHOD OF MAKING SAME

Sol D. Cohen, New York, N. Y., assignor to Paper Novelty Manufacturing Company, New York, N. Y., a corporation of New York

Application August 4, 1942, Serial No. 453,543
7 Claims. (Cl. 41—11)

1. The method of making an ornamental article which comprises die-cutting a split cardboard

supporting ring, threading a compressed blanket of a honeycomb tissue paper structure upon such ring, joining the ends of the ring together, ex-



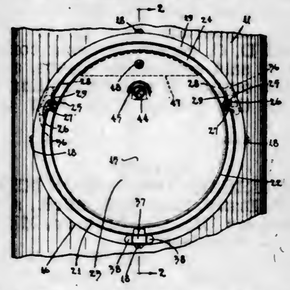
panding such honeycomb blanket throughout the length of the supporting ring, and securing the contiguous free ends of the honeycomb structure together.

2,346,825

DRAFT REGULATOR

Arthur D. Cole, Minneapolis, Minn.

Application December 5, 1941, Serial No. 421,830
6 Claims. (Cl. 236—45)



5. In a draft regulator, a frame for attachment to a conduit having a passageway therein, said frame having a part extending transversely of the passageway and formed with a substantially circular opening therein, a substantially circular damper for closing said opening, pivot means for the damper extending transversely thereof and having its axis disposed on one side of the center of the damper, said damper and frame having juxtaposed marginal portions, a projection formed on one of said portions and having an edge disposed at right angles to the axis of said pivot means, a notch in the other of said marginal portions for the reception of said projection, an angular shaped bearing having the edge of said projection received within the bight thereof and attached to said marginal portion, and means carried by the other marginal portion at the vicinity of said notch for engagement with said bearing.

2,346,826

BIS-(2,4-DIALKYLPHENOL)-4-ALKYL PHENOL SULPHIDES AND SALTS THEREOF

Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 16, 1942, Serial No. 443,306
10 Claims. (Cl. 260—609)

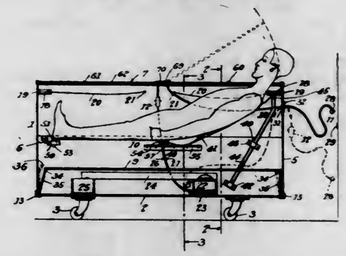
7. A method of preparing bis-(2,4-dialkyl phenol)-4-alkyl phenol sulphides which comprises reacting a 2,4-dialkyl phenol with a 4-alkyl phenol in the presence of a member of the group consisting of sulphur chloride and sulphur dichloride.

2,346,827

SWEATBOX

Milton A. Cotter, Los Angeles, Calif.

Application January 26, 1942, Serial No. 428,232
7 Claims. (Cl. 4—163)



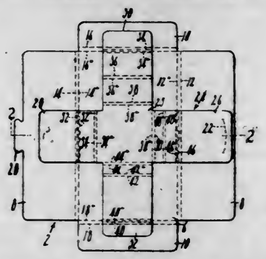
1. A sweat box including a box, a steam generator for generating steam and discharging the steam in said box, a bed in said box upon which a patient may recline, said bed comprising a head member, a foot member, a seat member, and a bottom member of flexible sheet material secured at its ends, respectively, to said head member and said foot member and extending over said seat member.

2,346,828

PACKAGE FOR CARBON PAPER

Edward W. Curtis, Jr., Langhorne, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

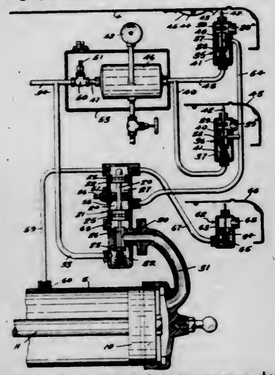
Application December 31, 1941, Serial No. 425,149
2 Claims. (Cl. 206—63)



1. A package for sheets of carbon paper comprising an outside folder of relatively thin, flexible paper board having a substantially rectangular central panel, a plurality of flaps extending from said panel, each having weakened transverse substantially parallel fold lines and arranged to be folded inwardly along said lines toward said panel to form side walls of an outer casing and an enclosing cover opposite the panel, an inside folder of similar material having a substantially rectangular central panel of less length and width than the first panel attached directly to the central panel of the outside folder and a plurality of flaps extending from said central panel and respectively having substantially the same width throughout as the corresponding dimensions of the latter panel, said flaps extending outwardly different distances from the latter panel and having transverse fold lines along which the flaps are arranged to be folded inwardly toward said panel, said flaps being of sufficient

length to extend beyond the margins of said panel of the outside folder and one or more of said flaps of the inside folder having weakened fold lines located at different distances from the corresponding center line of the folder to enable the flaps to be folded at different points for different sizes of carbon sheets placed therein.

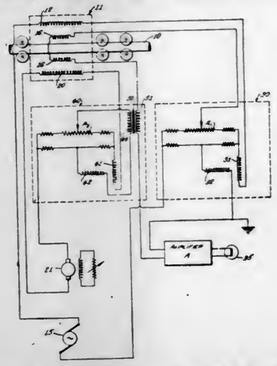
2,346,829
TWO-HAND CONTROL FOR POWER ACTUATED MACHINES
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 6, 1941, Serial No. 396,959
5 Claims. (Cl. 121—38)



1. A two hand control for power actuated machines having a pressure operated motor, including a self-closing, normally-closed master valve for controlling the flow of working fluid to the motor and pressure operated means for operating it, a main working fluid supply line connected to said master valve and normally closed thereby, manually-operable, self-returnable control valves of the combined intake and exhaust type normally arranged with their intakes closed and exhausts open, a tank connected in the main line, and a throttle valve located to time the flow of pressure fluid from the main line to the tank, and the building up of pressure in the tank to a predetermined pressure, the tank being connected in multiple with the control valves and the control valves being connected in multiple with the pressure operated means of the master valve, the tank being of sufficient capacity only to supply pressure to the pressure operated means of the master valve for one opening operation only of the master valve, all whereby upon operating only of one control valve, the pressure fluid exhausts through the other control valve, and the pressure of the tank drops below a predetermined and sufficient pressure to operate the pressure operated means of the master valve and the operation of both control valves substantially in unison is required to operate the master valve, and bleeder means for gradually releasing the pressure in the pressure operated means of the master valve.

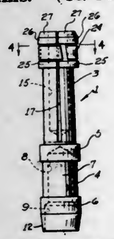
2,346,830
TUBE TESTER
Loren J. De Lanty, Spring Valley, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application October 10, 1940, Serial No. 360,563
1 Claim. (Cl. 175—183)

In a device for testing metal articles for defects, means for energizing the article with flux from an A. C. source, means including a D. C. generator for saturating the article with D. C. flux, means responsive to variations in flux within said article, said responsive means generating a wave form in response to variations in flux caused by a defect within said article, said D. C. generator normally generating variations in flux similar to those generated by a defect in the article,



and means for nullifying the effect of said last named variations, said last named means comprising an amplitude and phase controlling means, said D. C. generator being connected to the input of said controlling means, and means whereby the output of said controlling means is opposed to the output from said responsive means.

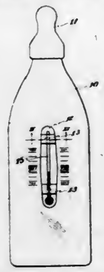
2,346,831
ELECTRICAL CONNECTION MEANS
Thomas W. Drury, Burr Oak, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application June 15, 1943, Serial No. 490,927
2 Claims. (Cl. 173—363)



2. Terminal receiving means, said means being constructed from a solid bar or stock material, said material being substantially cylindrical throughout its length and provided with a pair of annular abutments adjacent each extremity which abutments are substantially of the same diameter and extend outwardly with reference to the remainder of the material between the two pairs of abutments and between each pair of abutments, one extremity of said means having an inwardly extending first bore so that the extremity between one pair of abutments is made tubular to receive the bared end of an insulated conductor wire and permit the wall or material between the abutments to be distorted into the wire, said first bore being countersunk to receive the insulation on the wire, the free end portion of said one extremity being tapered so that same may be crimped onto the insulation, a second bore extending inwardly from the other extremity of the means, said means being split longitudinally at

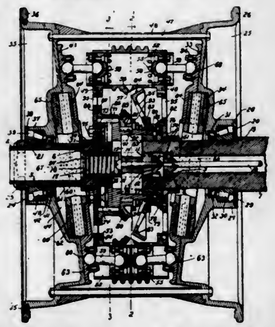
said other extremity and to a point beyond the end of said second bore and terminating in close proximity to the innermost abutment at the said one extremity whereby the wall defining the second bore is divided into four resilient corresponding sections of substantially uniform thickness between said innermost abutment and the innermost abutment of the other pair of abutments and the outside diameter of the wall is less than the outside diameters of the material or stock between each pair of abutments, and means surrounding the said other extremity between the abutments thereat functioning to normally hold the sections in converging relation and thereby assist in clamping the sections about an elongated terminal adapted to be projected between the sections.

2,346,832
BOTTLE WITH TEMPERATURE INDICATING MEANS
Logan Eisele, Nashville, Tenn.
Application October 8, 1943, Serial No. 505,441
3 Claims. (Cl. 73—343)



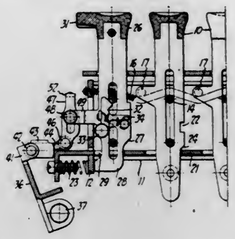
3. A bottle having a depression formed in the wall thereof, said depression being defined by a flat bottom and side walls substantially perpendicular to said bottom and tapering toward each other from the middle toward each end, retaining members wedged between said tapering walls and a thermometer retained in the depression by the retaining members.

2,346,833
HYDRAULIC BRAKE
Clayton Erasmus Frederickson, Chicago, Ill.
Application February 12, 1943, Serial No. 475,649
20 Claims. (Cl. 188—91)



1. A wheel having a rim and sides provided with hubs; an axle on which said wheel is mounted, said wheel and axle enclosing a chamber for retaining hydraulic fluid; a rotor located within said wheel and rotatably mounted on said axle; an inclined slideway on the inside of the wheel; a universally mounted wabbler having a plate frictionally cooperatively engaging said slideway; said rotor including cylinders and pistons with connecting rods between the pistons and said wabbler, said cylinders having piston controlled fluid inlets and having fluid outlets; means for first frictionally clutching said rotor to said axle and subsequently positively securing said rotor to said axle; and means for controlling the escape of fluid from said cylinders for purposes described.

2,346,834
CALCULATING MACHINE
Carl M. Friden, Pleasanton, and John L. Moody, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc., a corporation of California
Application March 9, 1942, Serial No. 433,840
5 Claims. (Cl. 235—145)



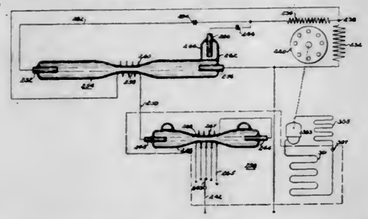
1. In a calculating machine, a set of value keys, latching means for retaining an adjusted key in adjusted position, means for moving said latching means to inactive position, means for rendering said moving means ineffective with respect to said latching means, said last named means including a key operable in one direction to effect a key releasing movement of said latching means and in another direction to render said moving means ineffective, and means on said key for blocking movement of said latching means when said key is adjusted in said another direction.

2,346,835
SCREW FASTENER
Emmet M. Green, Los Angeles, Calif.
Application March 12, 1943, Serial No. 478,872
14 Claims. (Cl. 85—46)



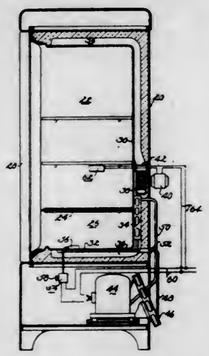
1. A fastener comprising a stem carrying a thread adapted to be turned into the work with the groove between the stem threads entering and receiving the work material, a head on said stem, a projection carried by the stem between the threads and adjacent said head for displacing the work material from its normal position between the threads as the stem advancement approaches a position of engagement of the head against the work, and means forming on the stem a shoulder behind which the work material is so displaced and which is engageable with the displaced work material to resist retractive turning of the stem.

2,346,836
ELECTRICAL CONTROL MEANS
Albert O. Grooms, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 30, 1940, Serial No. 367,991
8 Claims. (Cl. 172—279)



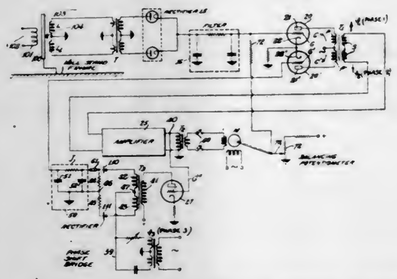
1. In combination, an electric motor having main and phase windings, a control for changing the energization of the phase winding comprising a sealed container of electrical insulating material, said container having a capillary portion providing a connecting fluid passage of small cross-sectional area between the other portions of the container, said container being provided with an electrode upon either side of the capillary portion, one of said electrodes being connected to one end of the phase winding and the other to a source of electrical energy, means connecting the other end of the phase winding and both ends of the main winding to said source, said container containing an electrical conducting liquid sufficiently volatile to form a vapor barrier when heat is applied at the neck portion, and means for preventing the breaking of the vapor barrier during the remainder of each operating period of the motor following the change in the energization of the phase winding including means for heating said capillary portion coincidentally with the energization of the main winding.

2,346,837
REFRIGERATING APPARATUS
Albert O. Grooms, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 24, 1941, Serial No. 380,252
7 Claims. (Cl. 62—4)



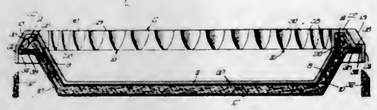
2. Refrigerating apparatus including an insulated cabinet containing a compartment to be cooled, a lining member surrounding the compartment, means forming a circulating passageway surrounding the compartment, a cooling unit in heat exchange relation with said circulating passageway, electrically operated means for circulating a fluid through said passageway into heat exchange relation with said cooling unit and the outside of said lining member, and temperature responsive vibrating contact means for gradually varying the operation of said electrically operated means.

2,346,838
FOLLOW-UP AND COMPENSATING SYSTEM
Norman L. Haight, Hoboken, N. J., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application July 29, 1942, Serial No. 452,715
10 Claims. (Cl. 172—239)



1. A thermionic compensating system comprising a pair of balanced thermionic circuits, means whereby impressing a signal on one circuit disturbs said balance and generates a voltage, and means whereby said generated voltage impresses a signal on the other circuit in a direction to restore said balance.

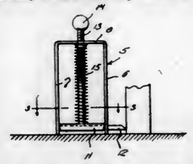
2,346,839
BAKING UTENSIL
Lloyd J. Harriss, Kenilworth, and Bernard Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss
Application March 27, 1941, Serial No. 385,418
4 Claims. (Cl. 99—439)



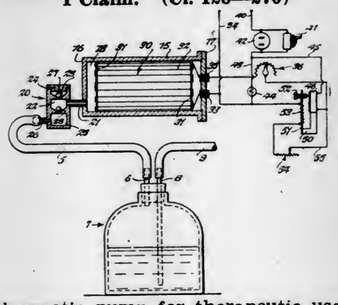
1. A baking utensil adapted to nest in a pie pan, said utensil comprising a peripheral flange having a crimping channel therein forming a substantially enclosed crimping space with the rim of the pie pan when said utensil is nested in a pie pan, said channel having the general cross-sectional shape of an inverted U but with the inner leg of the inverted U varying continuously from an oblique position to a substantially vertical position with respect to the axis of the pie pan and vice versa.

2,346,840
SCRIBER
Frank W. Heide, San Francisco, Calif.
Application September 24, 1943, Serial No. 503,707
2 Claims. (Cl. 33—170)

1. In a scriber, a substantially U-shaped frame including parallel portions and a connecting portion and one of said parallel portions having a slot with scale markings arranged adjacent thereto, a holder slidable between the parallel portions of the frame, a marking element carried by the holder and protruding through the slot, a feed stem journaled to the holder and threaded in the connecting portion of the frame and provided with a finger piece exteriorly of the frame for the adjustment of the holder in the frame.

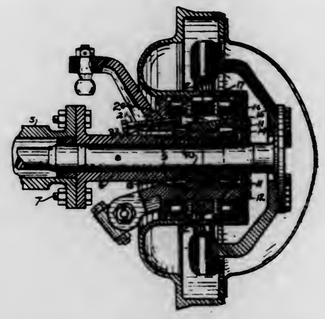


2,346,841
THERMOTIC PUMP
Stanford Henderson, Buffalo, N. Y.
Application July 25, 1941, Serial No. 404,034
1 Claim. (Cl. 128—276)



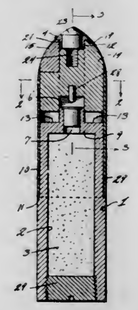
A thermotic pump for therapeutic use in effecting the intermittent drainage of fluids, comprising a housing forming a working chamber provided with end heads and with a metal side wall through which heat is readily conducted from the gas within said chamber and dissipated to the exterior, a duct leading from said working chamber exteriorly of said casing, a single source of electrical current, an electrical heating element in said chamber and comprising dielectric end supports arranged adjacent said end heads and a fine resistance heating filament looped back and forth between said end supports in closely spaced relation to each other and in closely spaced parallel relation to said side wall, the fineness of said filament permitting it to rapidly heat and, when deenergized, to rapidly dissipate its heat to the gas in said chamber, and the close proximity of said filament to the metal side wall of said chamber permitting the heat of said filament, when deenergized, to be rapidly conducted through the thin layer of gas outside of said filament to said side wall of said chamber and dissipated thereby, a switch arranged remote from and substantially unaffected by changes in temperature of said housing and connected to place said filament in circuit with said single source of electrical current, means arranged remote from and substantially unaffected by changes in temperature of said housing and actuated by said single source of electrical current to alternately open and close said switch, and means associated with said duct to provide a substantially unidirectional flow of gas through said chamber in response to the intermittent heating of the gas in said chamber by said filament.

2,346,842
WHEEL CONSTRUCTION FOR FRONT WHEEL DRIVES
Harleigh R. Holmes, Littleton, Colo.
Application May 6, 1943, Serial No.. 485,937
4 Claims. (Cl. 180—48)



1. In a front wheel drive construction having an axle housing and a surrounding tubular spindle mounted for movement relative to the axle housing about a substantially vertical pivot, antifriction bearings positioned between the spindle and the axle housing, one above and one below the axle housing, the latter having means for positioning the bearings in axial alignment, the inner surface of the tubular spindle having diametrically opposed bearing seats for one of the races of a bearing, means positioned between the inner surface of the spindle and the corresponding bearing race for urging the bearing inwardly, said means comprising a wedge movable in the direction of the axis of the spindle, and means for moving the wedge comprising a screw operatively connected with the spindle and the wedge.

2,346,843
EXPLOSIVE PROJECTILE
Bert Alford Hopper, Flint, Mich.
Application March 15, 1941, Serial No. 383,623
4 Claims. (Cl. 102—56)



1. An explosive charge carrying projectile, comprising a body formed to provide an explosive charge containing chamber and having a tapered substantially solid nose portion, said tapered nose portion including two oppositely positioned elements coupled together across the width of the nose for longitudinal shifting and having a length greater than the length of the tapered

portion and a transverse arcuate dimension of more than one-quarter the circumference of the nose, said elements being designed to maintain a normal forward position, the forward ends of the elements when in said normal position being behind the tip of the projectile nose, means for releasably holding said elements in said normal position, the elements being designed to be forcibly shifted rearwardly upon impact of the nose with an object, and means for setting off the charge within said chamber by and upon the rearward shifting of said elements.

2,346,844

PROCESS OF TREATING MILK

Maurice E. Hull, Columbus, Ohio, assignor to M & R Dietetic Laboratories, Inc., a corporation of Ohio

No Drawing. Application August 14, 1940, Serial No. 352,523
11 Claims. (Cl. 99—54)

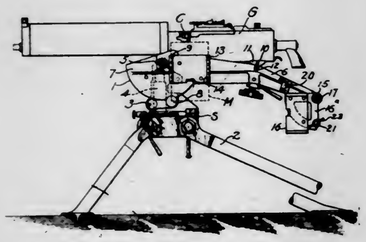
1. The method of effecting the partial removal of calcium and phosphate ions from acidified liquid milk products by contact with a reactivated spent exchange material which comprises, successively treating the spent exchange material carrying calcium and phosphate ions with an aqueous solution of a wetting agent, with an acidified aqueous solution of an alkali metal salt and with an aqueous solution of an alkali and subsequently contacting the activated material with the acidified milk product.

2,346,845

MACHINE GUN MOUNT

George Ironside, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application April 24, 1940, Serial No. 331,322
10 Claims. (Cl. 89—40)



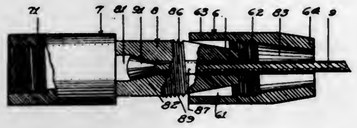
1. In a machine gun mount of the type comprising a cradle adapted to movably support in firing position a machine gun having a feed channel, the combination of a magazine supporting bracket movably mounted on the cradle and adapted to normally support a magazine adjacent the feed channel of the gun when the gun is mounted in firing position, and connecting means carried by the mount and movable with respect to said bracket to and from a predetermined position in which it secures said bracket to the gun to cause corresponding movement of the gun and bracket whereby the two are always similarly relatively positioned, said connecting means having a portion which is positioned to obstruct movement of the magazine to its normally supported position except when said connecting means is substantially in said predetermined position.

2,346,846

CABLE SOCKET

Thomas W. Isaacs, Bakersfield, Calif.

Application October 22, 1942, Serial No. 463,017
4 Claims. (Cl. 287—80)



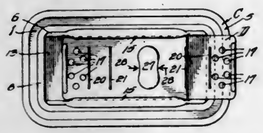
1. A socket for a cable having an enlarged end consisting of a member adapted to have a tool attached thereto, an extension on said member having a chamber therein, said chamber being adapted to receive and hold the enlarged end of the cable and a short length of the cable adjacent to the enlarged end, an opening through the wall of the chamber adapted for the enlarged end of the cable and the short adjacent length of the cable to pass therethrough into the chamber, and a cap in shape and size adapted to approximately cover the extension and further adapted to reinforce the wall of the chamber, said cap being removably attached to said extension, and said cap having an opening in both ends thereof adapted to thread the enlarged end of the cable therethrough.

2,346,847

CONTAINER

Frederick J. Larson, St. Louis, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri

Application May 13, 1941, Serial No. 393,279
11 Claims. (Cl. 221—62)



4. A container comprising a tubular body portion, an end head member having an elongated opening secured thereto, an upstanding rectangularly shaped hollow rib spaced from and surrounding the opening, horizontal wall seats adjacent the bases of the long sides of the rib, inclined end wall seats forming the walls of the short ends of the rib, the long sides of the rib having vertical inner walls provided with inwardly projecting portions forming with the horizontal seats horizontal grooves with opposed open sides and ends above the outer side edges of the horizontal wall seats, and a closure member having sifter openings adjacent either end thereof slidably receivable along its side edges in said grooves.

2,346,848

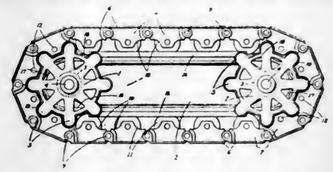
ENDLESS TRACK UNIT

Harry Law, Merced, Calif.

Application October 6, 1942, Serial No. 460,935
8 Claims. (Cl. 305—4)

1. An endless track unit comprising a supporting frame, end sprockets mounted on the frame, an endless track extending between and about the sprockets and comprising a plurality of individual links and pins pivoting the links together, a roller mounted on each link radially in

from the pivot pins, an endless roller engaging rail unit mounted on the frame; and cooperating



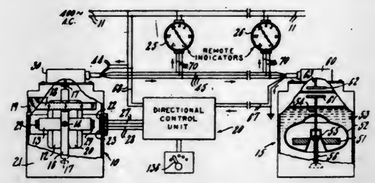
means formed with said rail unit and rollers to provide a constant rotary speed of the rollers throughout the length of the rail unit.

2,346,849

COMPASS CONTROL INDICATOR SYSTEM

William P. Lear, Piqua, Ohio, assignor to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois

Application May 15, 1943, Serial No. 487,074
19 Claims. (Cl. 33—223)



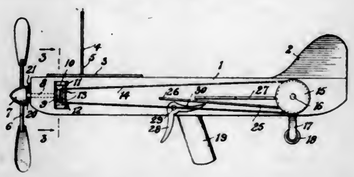
1. A compass system comprising a gyroscope; a first rotor coupled to said gyroscope and oriented thereby in correspondence with the directional position thereof; a first rotor winding magnetically coupled to said rotor; a first stator winding in inductive relation with said rotor and said rotor winding; a magnetic compass; a second rotor coupled to said magnetic compass and oriented thereby in correspondence with the directional position thereof; a second rotor winding magnetically coupled to said second rotor; a second stator winding in inductive relation with said second rotor and said second rotor winding, said stator windings being symmetrically interconnected electrically; a source of alternating current in circuit connection with one of said rotor windings; and means responsive to signals received by the other of said rotor windings from its associated stator winding when the gyroscope and the magnetic compass are out of their predetermined directional alignment for inducing a corrective precessional action on said gyroscope to restore said alignment.

2,346,850

AIRPLANE TOY

William Lines, Yonkers, N. Y.

Application December 16, 1943, Serial No. 514,456
9 Claims. (Cl. 46—175)



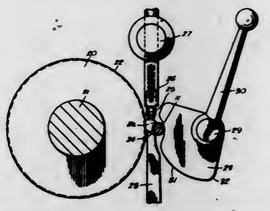
1. A toy resembling an airplane, a propeller mounted thereon, a crank and means operated thereby for rotating the propeller, a noise-maker in simulation of machine-gun fire operated by crank rotation and normally inoperative, and trigger means for rendering said noise-maker operative during rotation of the crank.

2,346,851

MANUFACTURE OF SCREW-THREADING TAPS

Arthur Harold Lloyd, Coventry, England, assignor to Alfred Herbert Limited, Coventry, England

Application May 14, 1943, Serial No. 487,051
In Great Britain June 4, 1942
9 Claims. (Cl. 51—288)



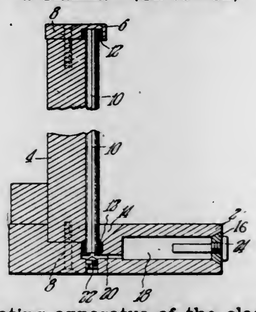
8. A method of finish-grinding a screw-threading tap, which involves filling its flutes with a relatively-hard, readily-removable material and then finish-grinding it in a centreless grinding machine.

2,346,852

PRESSURE GAUGE

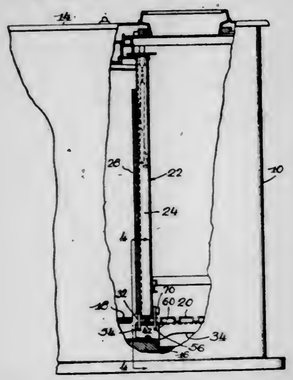
Arthur J. Logie, Westfield, Mass.

Application April 23, 1943, Serial No. 484,289
2 Claims. (Cl. 73—31)
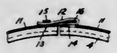


2. Indicating apparatus of the class described comprising in combination, a base having a socket in the upper side thereof for a post and a tube-socket therebelow for the lower end of a mercury tube, a post having a lower end fixed in the first named socket and extending upwardly from the base with the forward face thereof provided with a longitudinal tube groove therein in alignment with the tube-socket of the base, a cap fixed to the upper end of the post having a tube-socket on the under face thereof for receiving and closing the upper end of a mercury tube, a mercury tube in said groove with upper and lower ends in the tube-sockets of the cap and base respectively, sealing means in said tube-sockets around the ends of said mercury tube, said base provided with a mercury reservoir remote from the tube-socket therein and a restricted passageway extending from said reservoir to said tube-socket, and a screw member threadedly engaging said base having an end portion disposed to open and close said restricted passageway.

2,346,853
CONVERTIBLE ICE BUNKER FOR REFRIGERATOR CARS
John S. Lundvall, Park Ridge, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application September 6, 1943, Serial No. 501,392
3 Claims. (Cl. 105—376)



1. In a refrigerator car having a convertible ice bunker, a bulkhead forming a wall of said bunker, said bulkhead being movable to selective positions longitudinally of the car and being vertically shiftable into interlocked relation with the car floor structure whereby to maintain said bulkhead against movement in either direction longitudinally of the car; a detent secured to the lower portion of the bulkhead, a second detent secured to said floor structure, said first named detent being adapted for selective interlocking relation with said second detent whereby to maintain said bulkhead against vertical movement sufficient to release it from interlocked relation with said floor structure.

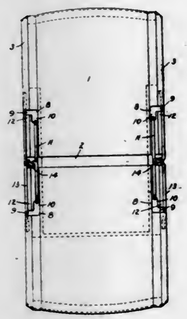
2,346,854
GROMMET
Francis E. McGee, Baltimore, Md.
Application March 9, 1942, Serial No. 433,932
1 Claim. (Cl. 102—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A component for rifling bands of projectiles comprising a strip, a tongue on one end of said strip, a pair of parallel slits crosswise of the strip, one near the tongue and of a length to receive the width of the tongue and a similar slit in the end of the strip opposite the tongue carrying end, the tongue attached to the slit remote from the tongue and bent back and passed through the adjacent slit in its own strip.

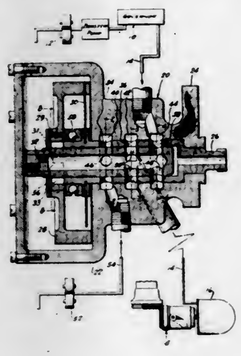
2,346,855
GROMMET
Francis E. McGee, Baltimore, Md.
Application January 14, 1943, Serial No. 472,310
2 Claims. (Cl. 102—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A protector for rifling bands, comprising a transversely severed band having axially and circumferentially extending intersecting recesses adjacent its ends, the formation of the recesses resulting in a tongue on the outer perimeter of



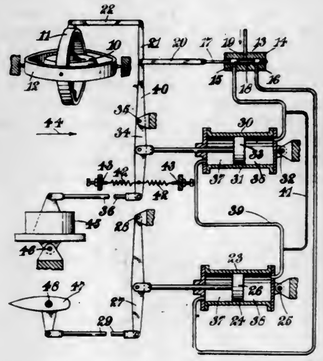
the band, tie wires threaded in said recesses behind the tongues and twisted upon themselves to lock the band on the projectile, the tongues serving to limit the lateral movement of the tie wire.

2,346,856
INERTIA ACTUATED PROPELLER CONTROL VALVE
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 24, 1941, Serial No. 390,077
10 Claims. (Cl. 170—163)



4. In a power plant speed control apparatus, a power actuated speed varying device, and means for controlling said speed varying device comprising a first power line, a speed governor intercepting said first power line and normally controlling the operation of said speed varying device, a second power line, and an acceleration responsive device connected with said speed varying device and intercepting both of said power lines operative to maintain said first power line opened and said second power line closed as long as the power plant acceleration remains below a predetermined value within the regulatory capacity of said speed governor, and to close said first power line and open said second power line whenever the power plant acceleration exceeds said predetermined value.

2,346,857
FLUID-ACTUATED SERVOMOTOR SYSTEM
Frederick William Meredith, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, London, England, a British company
Application June 9, 1941, Serial No. 397,297
In Great Britain January 5, 1940
2 Claims. (Cl. 244—76)

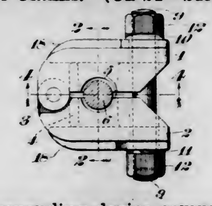


1. In an aircraft having means such as a gyroscope for detecting changes in the attitude of the aircraft about any axis, means for varying the attitude of the aircraft about this axis, and a bomb sight adjustable for variations in the said attitude of the aircraft, the combination of a double-acting fluid-actuated servomotor having two chambers for liquid and a relatively movable member actuated in the opposed sense by pressure of liquid in the two chambers, means for applying relative movement of said member and said chambers to adjust said attitude varying means, a second double-acting liquid-actuated motor having two chambers for liquid and a relatively movable member actuated in the opposed sense by the pressure of liquid in the two chambers, means for applying relative movement of said second mentioned member and chambers to adjust said bomb sight, a valve controller operated by said detecting means, said valve controller having two distribution ports, a liquid passage connecting one of said ports with one of the chambers of the first said motor, a liquid passage connecting the other of said distribution ports to one of the chambers of the second said motor, a liquid passage connecting the other chamber of the first motor with the other chamber of the second motor, whereby said servomotors are actuated in series by the valve controller, and a follow-up connection between one of said motors and said valve controller.

2,346,858
INTERPOLYMER
Charles Joseph Mighton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 14, 1941, Serial No. 374,403
12 Claims. (Cl. 260—23)

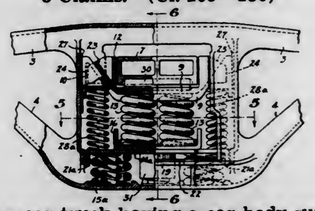
1. Process which comprises interpolymerizing a monomeric vinyl ester of a saturated monocarboxylic acid at 50–150° C. with the organic solvent soluble product of the reaction, by heating, of a frosting drying oil composition with a minor proportion, based on the frosting drying oil, of a member of the class consisting of alpha,beta-ethylenically unsaturated carboxylic acids and esters, primary amides, nitriles, and anhydrides thereof.

2,346,859
POLISHED ROD CLAMP
Kenneth N. Mills, Tulsa, Okla., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application January 8, 1942, Serial No. 426,041
13 Claims. (Cl. 24—249)



1. A rod suspending device comprising arcuate body sections hinged to admit a rod centrally therein, a plurality of separate resilient gripping members therein having smooth arcuate inner margins to hold the rod without substantially marring the same, bolts joining the body sections, and nuts threadedly engaging the bolts for tightening the body sections about the rod.

2,346,860
CAR TRUCK
Harold H. Mohl, Davenport, Iowa, assignor, by mesne assignments, to McConway & Torley Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1941, Serial No. 412,453
3 Claims. (Cl. 105—186)

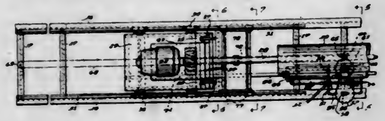


1. In a car truck having a car body supporting bolster and axle supported side frames, an upper bolster supporting member mounted for vertical movement in each side frame, a lower supporting member mounted for vertical movement in each side frame, a set of cushioning springs interposed between said upper and lower members, a set of cushioning springs interposed between said lower member and the side frame, stops engageable with said lower supporting member upon imposition of abnormal pressure on the springs for limiting the movement of said lower sets of springs, a snubber for applying a gradually increasing resistance to movements of the bolster supporting member in a downward direction, and a second snubber interposed between the lower supporting member and the side frame.

2,346,861
METHOD AND APPARATUS FOR GRINDING MOLDS
William A. Montgomery, Burlington, N. J., assignor to United States Pipe and Foundry Company, a corporation of New Jersey
Application June 7, 1943, Serial No. 490,102
8 Claims. (Cl. 51—48)

2. Apparatus for taper-grinding the inner surface of a tubular metal body, comprising means

for supporting the tubular body horizontally, means for rotating the tubular body about its longitudinal axis, a rotary grinder supported for reciprocating movement in the bore of the tubular body and in gravitational contact therewith,



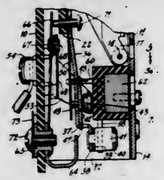
means for rotating said grinder, means for reciprocating said grinder, and control mechanism for uniformly increasing the rate of reciprocating movement of said grinder in one direction and uniformly decreasing its rate of reciprocating movement in the reverse direction.

2,346,862

PILOT CIRCUIT SWITCH

Elmer Muchow, Maplewood, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri

Application November 21, 1941, Serial No. 419,861
3 Claims. (Cl. 200—146)



1. In a switch mechanism, a casing, a switch lever movable in said casing, contact means on said switch lever, second contact means on the casing engageable by the contact means on the lever, a third contact, means resiliently supporting said third contact on the casing, a fourth contact engageable by said third contact, means resiliently supporting the fourth contact on the casing, said third and fourth contacts supporting means having similar vibration characteristics to cause said third and fourth contacts to vibrate together when brought into contact with each other, said first and second contacts being in parallel with said third and fourth contacts, means on the switch lever engaging one of said resilient contact mounting means when said switch lever is in position to open said main switch, said engaging means being adapted to release said contact supporting means in time to permit closing of said third and fourth contacts by the time said first and second contacts are closing so that any arcing of the first and second contacts upon closing will be prevented by transmission of the current through the third and fourth contacts.

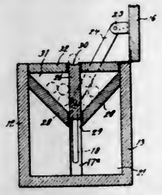
2,346,863

DELIVERY CONTAINER FOR CIGARETTES, CIGARS, OR OTHER ARTICLES

Vincent J. Pacione, New York, N. Y.

Application May 22, 1943, Serial No. 488,061
3 Claims. (Cl. 312—79)

1. A box comprising front, back, and end walls having a transverse partition intermediate its width, support walls in the box near the end walls thereof, said support walls having vertical slots therein, a cover hinged to said back wall and having links pivotally depending therefrom, pins on the ends of said links passing slidably through said slots, said partition having a vertical slot therethrough extending from the lower edge thereof to a point near the upper edge thereof and in alignment with said first-named slots, an elongated member passing through said partition slot and having said pins registering pivotally in the end edges thereof, said elongated member being substantially rectangular, said partition dividing said box into two compartments, walls secured to the front and back walls of said box in each of said compartments and sloping downward toward each other, the lower edges of said sloping walls having a slot therebetween, the walls of said last-named slot being parallel and vertical and having said member vertically slidably mounted therein in upright position, the upper edge of said member having a transverse slot therethrough dividing said edge into two sections, the upper edge of each of said



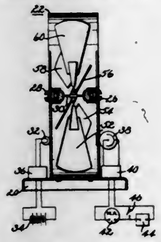
sections being arcuately dished out, a loose horizontal panel supported on the upper edges of said support walls and partition and having spaced aligned slots directly above and of substantially the same dimensions as said sections, said compartments above said sloping walls being adapted to have cigarettes or other articles mounted therein, said links when said cover is closed holding said member with said sections thereof horizontally positioned in said sloping wall slots, lifting of said cover to substantially upright position causing said links to raise said member to position said sections to a position substantially flush with said panel slots, the width of said dished-out sections being approximately equal to the thickness of a cigarette so that but one cigarette will be seated on each section when said member is in said lowermost position and said one cigarette will therefore be raised through each of said panel slots upon said lifting of said member to said uppermost position.

2,346,864

ANEMOMETER

Robert Henry Packard, Newton, Mass., assignor, by mesne assignments, to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application December 2, 1941, Serial No. 421,379
2 Claims. (Cl. 73—229)



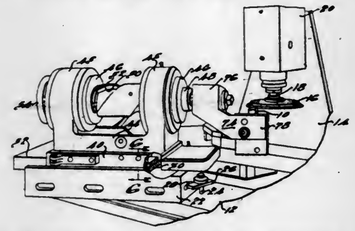
1. An anemometer comprising a rotatable windwheel having a plurality of blades, a source of light located on one side of the windwheel, a photoelectric cell located on the other side of the windwheel in alignment with the blades and the source so that the blades pass between the source and the cell as the windwheel rotates, said blades having different degrees of translucency to permit the flow of light from said source to said cell in accordance with the movement of the blades, and means controlled by the cell for indicating the movement of the blades.

2,346,865

METHOD OF FORMING GEAR CUTTERS

Harry Pelphrey, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware

Application October 29, 1940, Serial No. 363,332
5 Claims. (Cl. 51—287)



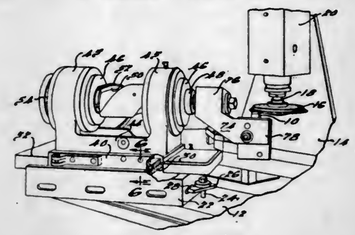
4. The method of forming an element having the shape of an internal involute gear tooth comprising engaging a surface portion of such element in point contact with a rotating grinding element at various points on a path which is defined by a line tangent to the base circle of the element being formed, and rotating and reciprocating the element along the lead of the element being formed while in engagement with the grinding element at each of such various points, the point of engagement of the element with the grinding element on said surface portion during the rotation being located so that such surface portion faces generally toward the axis of rotation.

2,346,866

FIXTURE FOR FORMING GEAR CUTTERS

Harry Pelphrey, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware

Application October 29, 1940, Serial No. 363,330
5 Claims. (Cl. 51—94)



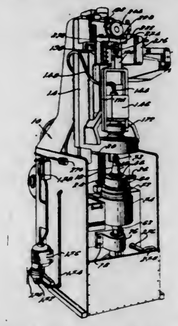
1. A machine for forming an element having the shape of an internal helical gear tooth comprising a standard, a rotatable grinding element mounted on said standard, a holder for supporting said first-named element, means mounting said holder for rotary and reciprocatory movement about an axis disposed at substantially a right angle with respect to the axis of rotation of said grinding element, said axis of rotation and reciprocation of said holder being disposed at a predetermined angle with respect to a tangent at a point of contact of the element being formed with the periphery of the grinding element, said predetermined angle being the base helix angle of said gear, means mounting said last named means and said grinding element for relative movement toward and away from each other, and means mounting said first named element in said holder adjacent said grinding element, said holder being so constructed and arranged that said first-named element is disposed on the side of said grinding element opposite to that of said axis of rotation and reciprocation.

2,346,867

MACHINE FOR FORMING GEARS

Harry Pelphrey, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware

Application October 29, 1940, Serial No. 363,331
16 Claims. (Cl. 90—10)



1. A machine for forming simultaneously a plurality of teeth in a machine element comprising a standard, a work holder, means mounting said holder for reciprocatory movement with respect to said standard, a mounting member mounted on said standard to one side of said holder, a feed plate mounted for sliding movement with respect to said member toward and away from said holder, a back-off plate slidably mounted with respect to said feed plate, a cutter head having a plurality of radially disposed cutters mounted thereon for radial movement with respect thereto, means connecting said cutters to said back-off plate for moving said cutters radially with respect to said head upon movement of said back-off plate and said feed plate, and means for moving said feed plate and said back-off plate in timed relation to the reciprocatory movement of said work holder.

2,346,868

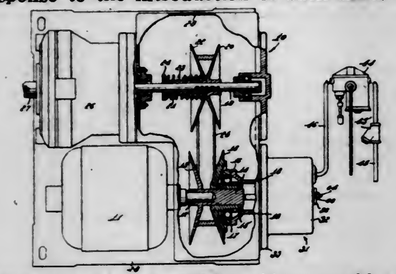
FLUID CONTROL FOR SPEED VARYING TRANSMISSIONS

William R. Perry, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application January 17, 1938, Serial No. 185,367
20 Claims. (Cl. 74—230.17)

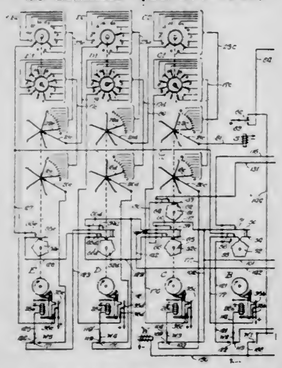
1. The combination with a shiftable element, of means for shifting said element comprising a chamber having a movable wall and an immovable wall, means connecting said movable wall with said element, means for introducing fluid under pressure into said chamber to bear against said movable wall to move the same, and stop

means for limiting the movement of said wall in response to the introduction of such fluid, said



stop means being carried by said immovable wall, having portions located within said chamber, and being adjustable from without said chamber.

2,346,869
PREDETERMINED COUNTER CONTROL
Frederick A. Poole, Barrington, Ill., assignor to Production Instrument Company, Chicago, Ill., a corporation of Illinois
Application October 17, 1941, Serial No. 415,401
28 Claims. (Cl. 177—311)



1. A control apparatus responsive to a series of make and break impulses in a direct current electric circuit comprising an odd units counter switch, a regular units counter switch, a plurality of additional counter switches of higher order, operating means for said switches including electromagnetically energized means, means providing electric circuits for energizing the electromagnets of said switches, a circuit making and breaking device interposed in said energizing circuit to provide electric impulses, means connecting said impulse circuit with the electro-magnet of the odd units counter, means including a selector switch for determining the number of energizing impulses to be received by said odd units counter, circuit closing means effective at the termination of the counting operations of said odd units counter to transfer all subsequent impulses to said regular units counter, and means actuated by the movement of the regular units counter for directing certain of said subsequent impulses to a counter of higher order.

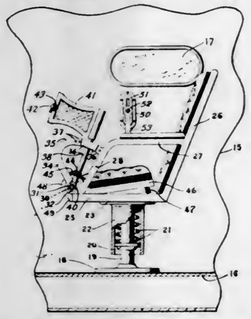
2,346,870
FLOWER HOLDER
Howard A. Post, Oakland, Calif.
Application October 22, 1941, Serial No. 416,008
2 Claims. (Cl. 24—6)

1. A holder of the character described, comprising a continuous sheet of material having a jaw portion intermediate its ends, said ends being overlapped and overlying said jaw to form a resilient clamp, one of said ends having a



cutaway portion; and attaching means secured between and extending outwardly from said overlapped portion and having a part extending into said cutaway portion.

2,346,871
AIRPLANE SAFETY CHAIR
Gaetano Provenzano, Greenwich, Conn.
Application May 28, 1941, Serial No. 395,580
3 Claims. (Cl. 155—189)



1. In combination, a chair having a frame and a seat hinged at its front edge to the frame, springs interposed between said frame and seat normally inclining said seat upwardly near the rear, normally upright bars rotatably mounted at the front of said frame on both sides thereof, rack and pinion means to rotate said bars upon the application of weight to said seat whereby it is caused to assume a level position, and confining means carried by said bars to fold above and across said seat when influenced by weight on said seat.

2,346,872
BLUEPRINT
John Holden, Reddish, Stockport, England, assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
No Drawing. Application May 16, 1940, Serial No. 335,554. In Great Britain June 6, 1939
12 Claims. (Cl. 95—6)

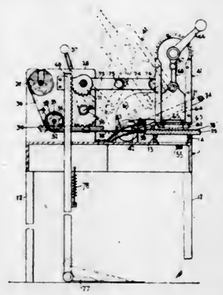
1. The method for making blueprints by the semi-dry development process which comprises applying to the exposed surface of the printed paper an aqueous film in quantity sufficient to promote the essential blue print reactions, which application simply wets the paper and does not remove the components of the blue print coating and subsequently subjecting the exposed and pre-damped surface of the paper to a developing solution containing the soluble salt of a metal which reacts to form insoluble compounds with the iron cyanogen radicals of the blue print coating and a compound for insolubilizing the iron ion, applied also in the form of a film which simply wets the paper and does not remove the components of the blue print coating and which process does not include any step for removing the components of the blue print coating.

2,346,873
DETACHABLE HANGER FASTENING MEANS
Alois A. Ritter, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application October 8, 1942, Serial No. 461,353
3 Claims. (Cl. 24—241)



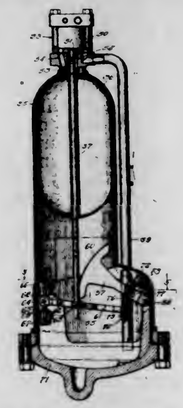
3. In combination with a garment hanger, detachable fastening means therefor, comprising a strap having one end portion secured to one face portion of the hanger and adapted to have its free and intermediate portions looped over an edge of the hanger onto the opposite face of the hanger, the free end portion of the strap having an eccentric opening therein, a stud projecting from said opposite face portion of the hanger, and a flexible, elongated, narrow tongue having one end portion turnably mounted on said stud and forming a shoulder, the outer portion of the tongue, when the tongue is in one turned position, being slidable through said strap opening and the strap being adapted to be forced over the tongue shoulder and stud, the tongue in another turned position having its shoulder overlying stock of the strap adjacent said opening to prevent movement of said strap portion along the tongue.

2,346,874
FILM SPLICER
Edward Ernest Russell, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application February 12, 1941, Serial No. 378,544
13 Claims. (Cl. 154—42)



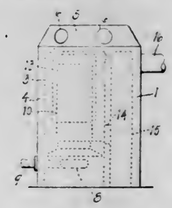
7. An apparatus for splicing motion picture film with adhesive tape comprising means for holding and trimming two film strips in spaced end relation, a roll of adhesive tape supported upon said apparatus, a feed roller for stripping a predetermined length of tape from said roller, means for operating said feed roller, means for cutting said length of tape, means for supporting said predetermined length of tape between the ends of said film strips, means for moving said film strips to predetermined positions over said length of tape so that the same may be wrapped around the ends of said strips to form a splice therebetween, and pin means adapted to register with sprocket holes in the film arranged to engage the tape and force the same to contact upon itself through said sprocket holes.

2,346,875
TRANSFER APPARATUS
Ralph E. Schurtz, Kansas City, Mo., and Joseph N. Roth, Belding, Mich., assignors, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application April 18, 1941, Serial No. 389,248
3 Claims. (Cl. 137—68)



3. Transfer apparatus of the character described for returning liquid from the low pressure side to the high pressure side of a refrigeration system, including: a transfer chamber; valve means for controlling fluid flow paths opening into the chamber, said means being located directly above the chamber; means for actuating the valve means, including a float in the chamber and linkage connecting the float to the valve means; and adjustable means for limiting the movement of a part of the linkage, this adjustable means comprising cushioning bumpers against which a part of the linkage strikes at the limits of its movement.

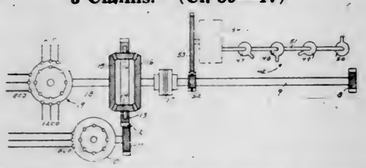
2,346,876
HEATING FURNACE
Thomas W. Torr, Dowagiac, Mich., assignor to Rudy Furnace Company, Dowagiac, Mich., a corporation of Michigan
Application March 1, 1941, Serial No. 381,307
6 Claims. (Cl. 126—116)



1. An oil burning furnace of steel construction comprising an elongated vertical steel radiator shell providing a heat radiating surface of substantial area, said shell being substantially coextensive in height with the furnace, a plurality of brackets mounted interiorly of said shell, said

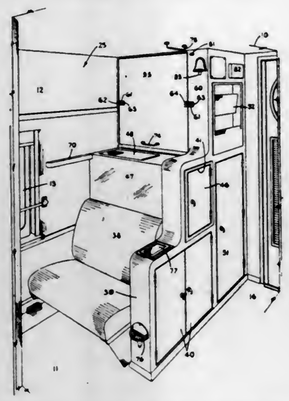
radiator shell having a refractory combustion chamber disposed therein at the base thereof and positioned by said brackets, said combustion chamber having an oil burner therein, a first hollow open ended steel equalizer member located centrally in said shell above said combustion chamber and supported on said brackets, said member extending vertically for a substantial distance in said shell and directing products of combustion from said burner upwardly in the shell, a second hollow steel equalizer member having a closed top in spaced relation to the top of the first member and vertically extending sides of substantial length telescopingly associated with said first member with the sides of said members overlapping one another for a substantial vertical distance and laterally spaced from one another, said second member terminating short of the bottom of the first member and being spaced substantially from the sides of said shell to define an annular, vertically elongated downward path for the circulation of products of combustion between said members and an annular, vertically elongated upward and downward paths between said second member and radiator shell whereby the heat from the products of combustion is substantially equalized in intensity and distributed over the annular inner surface of said shell following its circulating movement, through the members, said shell having a flue opening disposed substantially on a level with the lower end of said second equalizer member, a heat exchanger having vertically spaced flue openings, the lower of which is connected to said flue opening in the shell and the upper of which is for exit of burned gases therefrom and a furnace casing surrounding and enclosing said shell and heat exchanger to define an air space surrounding the latter for the circulation of air over the external surface only of the shell and heat exchanger to effect transfer of heat from the shell thereto, the space interiorly of said shell and heat exchanger circulating products of combustion exclusively.

2,346,877
GUN RAMMER
Lev A. Trofimov, Willoughby, Ohio
Application December 4, 1942, Serial No. 467,825
3 Claims. (Cl. 89—47)



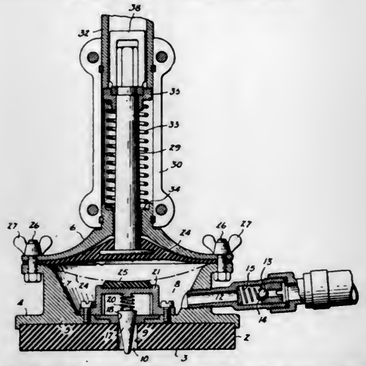
1. In a power operated gun rammer apparatus, a reciprocatory rammer; a power transmission mechanism; a constant speed electric motor and a variable speed electric motor, connected to the transmission; a power take-off from the transmission mechanism connected to the rammer; the transmission mechanism comprising means to effect forward and reverse movements of the rammer and to bring it to rest, responsive respectively to different speeds of the variable speed motor; a source of current for the motors; a control system controlling the current to control the speed of the variable speed motor, and comprising means coordinated with the movement of the rammer to effect changes of speed of the variable speed motor after a predetermined extent of movements of the rammer in the forward and reverse directions.

2,346,878
AUXILIARY BERTH SECTION ARRANGEMENT
James K. Tully, Alexandria, Va., and Basil E. Jones, Flossmoor, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application May 1, 1942, Serial No. 441,416
14 Claims. (Cl. 105—319)



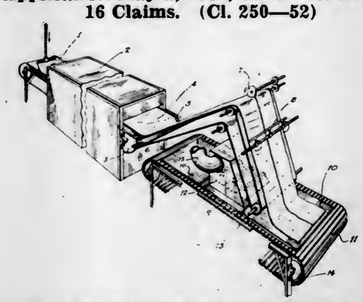
1. In a railway sleeping car having a side wall and an aisle, an auxiliary sleeping berth section disposed between the side wall and the aisle and comprising a section space, a transversely disposed fixed seat in said space, a seat end construction at the aisle, utility lockers in the seat end accessible from the aisle, locker space adjoining the back of said seat between the side wall and seat end of greater height than the seat and accessible from the section space, a storage locker adjoining said locker space and accessible from the aisle, a compartment above said storage locker, a locker spaced from said seat defining the opposite end wall of said section space, upper and lower portions of said last-named locker accessible respectively from the section space and a portion accessible from the aisle, a foldable berth for the section space having a fixed portion overlying said storage locker and forming the bottom of said compartment, a pair of berth panels comprising a first panel hingedly connected at one end with said fixed portion and a second panel hingedly connected at one end to the opposite end of the first panel whereby to provide a full length berth foldable intermediate its ends and adapted to be extended from a folded vertical closed position to a horizontal open position on a plane with said fixed portion above said seat, the folded berth in its closed position being adapted to provide a closure for said compartment, locking means for holding the berth panels closed, said first panel in the extended position of the berth being adapted to be supported intermediate its ends upon said locker space whereby to provide headroom above said seat, means on the opposite end wall of the section space between said upper and lower portions for supporting the free end of said second panel, means for supporting the intermediate folding connection between said panels comprising a ledge on the side wall extending beneath the berth adjacent said connection and a strut member pivotally mounted on the seat end adapted to swing from an upright berth supporting position to a depending inoperative position, a mattress and bedding for the berth adapted to be stored in said compartment when the berth is closed, a removable curtain arrangement for the berth including a supporting member having tensioning means incorporated therewith and adapted to be stretched between said compartment and the opposite end wall, and step means on the seat end construction affording access to the berth.

2,346,879
APPARATUS FOR FILLING CRACKS IN CONCRETE MASONRY STRUCTURES
Lee Turzillo, Royal Oak, Mich., assignor to Louis S. Wertz, Cleveland, Ohio
Application September 30, 1941, Serial No. 412,998
5 Claims. (Cl. 72—128)



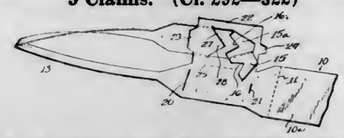
1. A device for filling cracks and crevices in a concrete surface or the like, which comprises a resilient member having a relatively flat face to be placed in contact with said surface, a passageway through said face, a closed chamber of variable volume in communication with said passageway, supply means including a conduit opening into said chamber for supplying fluid material to said chamber, a valve in said passageway having a portion extending outwardly and operable by contact with said surface to permit flow from said chamber through said passageway only when said face bears against said surface, and means for suddenly and periodically exerting hammerlike pressure on fluid in said chamber to force it through said passageway and against said surface, whereby fluid may be forced into cracks and crevices within said surface.

2,346,880
GELATIN PREPARATION
Walter M. Urbain, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 2, 1941, Serial No. 391,461
16 Claims. (Cl. 250—52)



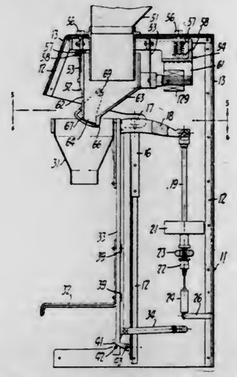
1. In the process of drying films of gelatin jelly, the steps which comprise irradiating the drying frame with high intensity ultra-violet radiation of an intensity greater than twenty-five microwatts per square millimeter for a time sufficient to substantially sterilize the frames and any gelatin adhering thereto and prior to any substantial recontamination applying a gelatin film for drying on the sterilized frame so that a substantially sterile film of gelatin jelly dried thereon is obtained.

2,346,881
SEALABLE TAG
Francis Paul Valenti, Chicago, Ill.
Application April 23, 1942, Serial No. 440,178
5 Claims. (Cl. 292—322)



1. A sealable means for attaching identification devices to baggage or the like and formed from a single blank of flexible material, an intermediate strap; an anchoring end on one end of said strap having an inwardly folded integral hook adapted, when folded, to normally flex outwardly and; a portion forming a tunnel extending from the opposite end of said strap, said tunnel portion having an angular slit therein forming an integral tongue extending away from said strap; said hook bearing anchor end being insertable through said slit to cause locking engagement between said anchor end hook and said tongue to prevent removal of said anchoring end.

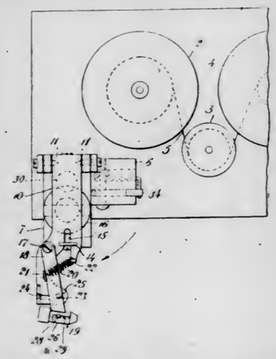
2,346,882
NET AND GROSS WEIGHER
Edric W. Vredenburg, Oakland, Calif.
Application February 24, 1941, Serial No. 380,171
1 Claim. (Cl. 221—118)



In a device of the character described, a hopper for receiving material and for feeding material through an outlet therefrom to a container positioned to receive a batch of material, electrical means for vibrating said hopper to move material out of said hopper, a gate cooperating with said hopper outlet and movable with respect to said hopper outlet to provide (1) a first discharge opening from said hopper through which material can pass to said container at a first rate, (2) a second discharge opening from said hopper of a size less than said first opening through which material can pass to said con-

tainer at a second rate and which is less than first rate, and (3) a closure for said hopper outlet cutting off all material flow therefrom, a first solenoid effective upon energization to move said gate from hopper closed position to said second discharge position, a second solenoid effective upon energization concurrently with said first solenoid to move said gate to said first discharge position, a first Micro-switch effective to control simultaneous energization of said vibrator means and said first solenoid, and a second Micro-switch effective to control energization of said second solenoid.

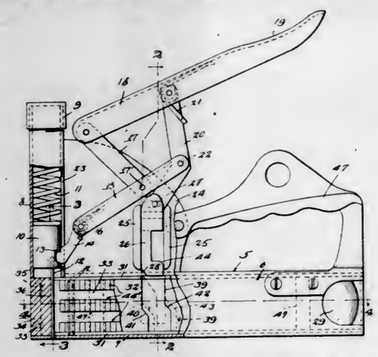
2,346,883
TRAIN CONTROL FORESTALLING RECORDER
William Bell Wait, New York, N. Y.
Application February 23, 1942, Serial No. 431,925
1 Claim. (Cl. 234—72)



Apparatus for recording the operation of the forestalling mechanism of an automatic train control system comprising a record-receiving surface adapted to support a record-receiving member, an electromagnet, a relatively rigid armature member extending beyond at least one side of the electromagnet, a stylus mounted on the extension of the armature member and normally in contact with the record-receiving member, a support for the electromagnet and armature member, means for pivotally mounting the armature member on the support on an axis in a plane perpendicular to the surface of the record-receiving member, and a swiveled mounting for the support to enable the support and the electromagnet and armature carried thereby to be swung as a unit to move the stylus from contact with the record-receiving member, and means for latching the support in a position in which the stylus is in contact with the record-receiving member, the stylus being spring-mounted on the armature to cause it to have a pressure contact with the record-receiving member when the support is in its said latched position.

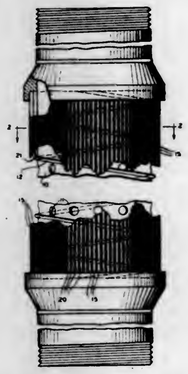
2,346,884
NAIL DRIVING DEVICE
James Thomas Wheeler, Atlanta, Ga.
Application October 7, 1941, Serial No. 414,014
6 Claims. (Cl. 1—46)

1. In a nail driving machine, a body portion, a vertically movable hammer mounted on the body portion, a lever adapted to operate the hammer, a nail carrying magazine mounted within the body portion and adapted to deliver nails under the hammer to be driven by the hammer, said magazine comprising a pair of horizontal bars slidable with respect to each other, and having their adjacent faces contacting, said bars having registering notches in their contacting surfaces providing nail compartments,



and a member operated simultaneously with the upward movement of the hammer, adapted to move the bars forwardly, consecutively advancing the nails to a position under the hammer to be driven by the hammer.

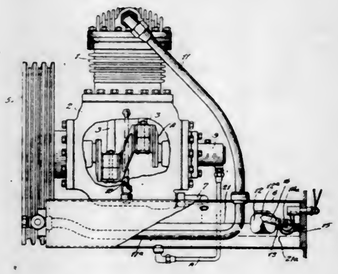
2,346,885
DEEP WELL SCREEN
Howard O. Williams, Minneapolis, and Albert A. Jens, St. Paul, Minn., assignors to Edward E. Johnson, Incorporated, St. Paul, Minn.
Application April 15, 1940, Serial No. 329,749, which is a division of application Serial No. 222,410, August 1, 1938. Divided and this application September 18, 1942, Serial No. 459,061
1 Claim. (Cl. 166—5)



A deep well screen comprising an internal integral pipe member formed with a multiplicity of spaced holes extending through the walls thereof, a supporting member of roughly triangular cross-sectional shape having its flat top face rigidly held on said pipe base in a helix so as to be substantially integral therewith, the coils of the helix being spaced apart greater distances than the diameters of the holes, and a multiplicity of longitudinal strainer elements each of roughly triangular shape having the narrowed portions thereof welded to the coils of the supporting member at every crossing point and being spaced apart at adjacent edges of the flat top walls to form inwardly expanding drainage slots

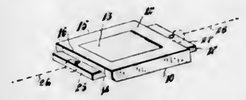
of suitable outside width, whereby channels are formed between the inner limits of the strainer elements and the outer surface of the pipe base for leading to the holes in the pipe base liquid which passes through the inwardly expanding slots of the screening surface.

2,346,886
OIL FLOAT OPERATED SWITCH
Walter W. Williams, Bloomington, Ill.
Application June 27, 1941, Serial No. 400,077
9 Claims. (Cl. 62—115)



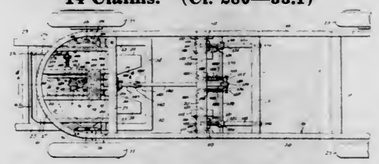
3. In a sealed refrigerating system including a compressor forming a part of said sealed system, a lubricant supply communicating with said compressor, a heater in said lubricant supply and dependent on the lubricant level for effective vaporizing of dissolved refrigerant in said lubricant, and means controlled by the lubricant level to cause intermittent operation of said compressor in response to variations in pressure in said system and to prevent operation when the relationship between said lubricant and said heater become ineffective for proper vaporization of said dissolved refrigerant.

2,346,887
CLASP FOR NECKLACES, BRACELETS, AND THE LIKE
Friedrich Winkler, Toronto, Ontario, Canada
Application October 22, 1943, Serial No. 507,261
In Canada September 19, 1942
8 Claims. (Cl. 24—201)



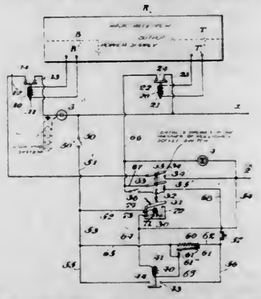
1. A clasp of the class described composed of substantially flat male and female members, the female member having a cavity extending inwardly from its upper face defined by a bottom wall and marginal walls comprising a front wall, said cavity having an aperture in the bottom wall aforesaid adjacent to said front wall, said front wall being reduced to form a bit or locking bar; the male member having a head portion formed with a transverse slot extending inwardly of its upper face and a tongue extending therefrom, said male member adapted to be inserted upwardly in the aforesaid aperture and then turned downwardly to cause the slot to engage the aforesaid bit or locking bar and the tongue to seat itself in the aforesaid cavity, whereby interlocking engagement of the members is effected.

2,346,888
TRACTOR-TRAILER COMBINATION
Sidney B. Winn, Lapeer, Mich.
Application November 4, 1942, Serial No. 464,477
14 Claims. (Cl. 280—33.1)



1. A tractor-trailer combination comprising a vehicle, a trailer adapted to be connected to the vehicle, component coupling elements carried by the vehicle and tractor for maintaining the trailer in draft engagement with the vehicle, a trailer supporting prop carried by the trailer, a locking sleeve carried by one of the component coupling elements, and shiftable means supporting one of the component coupling elements operable by the to and fro movement of the vehicle for simultaneously controlling the locking sleeve and trailer supporting prop.

2,346,889
LIGHTING CONTROL SYSTEM
Arthur C. Wullschleger, Wichita, Kans.
Application May 18, 1942, Serial No. 443,525
8 Claims. (Cl. 177—353)

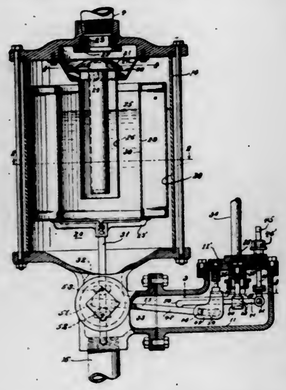


1. A lighting control system including electric supply mains with a light outlet therein, a main switch in one of said mains, a main relay to alternately open and close said main switch, and control means for said main relay including an auxiliary contactor controlled by the output of a radio receiver, and a second contactor controlled from the power supply for said radio receiver adapted to open the circuit through said supply mains in response to failure of the energy supply for said receiver.

2,346,890
STEAM HEATING BOILER CONTROL
Thomas W. H. Abbott, Baltimore, Md.
Application March 11, 1942, Serial No. 434,183
6 Claims. (Cl. 237—9)

3. The combination in a heating system having a steam boiler and steam radiators above the boiler of a float controlled feed water valve having a float chamber at the normal level of the water in the boiler, a float in said chamber controlling said valve, a condensate return leading to said chamber which is connected to the water space of the boiler and a condensate return control valve in said return and a float operatively connected to said latter valve and also located in said chamber, the feed water valve float being

of annular shape with a central vertical opening and the condensate return control valve float being located in said opening and spaced inwardly from the wall of said opening to provide



for the passage of the returning condensate through to said opening, and means for diverting the condensate return directing it into said opening and preventing it from contacting the top surface of the feed water valve float.

2,346,891

PREVENTION OF ICE ACCRETION

George Stuart Adlington, Winton, Alfriston, England

No Drawing. Application April 17, 1941, Serial No. 389,001. In Great Britain December 20, 1940

3 Claims. (Cl. 117—72)

1. A method of preventing ice accretion on the exposed surfaces of aircraft comprising the steps of applying to said surfaces, an undercoating consisting of a solution of solid, completely polymerized glycerol phthalate and thereafter applying on said undercoating a finishing coating consisting of a solution of glycol stearate in ethylene glycol.

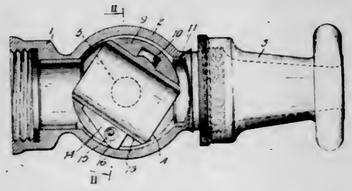
2,346,892

TURN VALVE

Leo S. Aldrich, Wellsburg, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York

Application April 16, 1941, Serial No. 388,777

7 Claims. (Cl. 251—163)



1. A turn-plug type valve comprising a valve chamber, a turn-plug therein having a surface exposed toward the flow and occupying an inclined relation thereto in the intermediate positions of said plug and a flow-actuated braking element movable on said surface to bear frictionally upon a surface of the chamber.

2,346,893

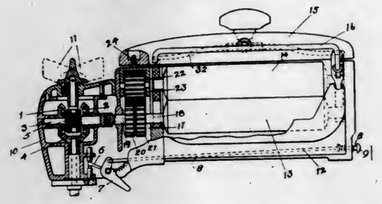
WRINGER DRIVE CONTROL MECHANISM

William George Beatty, Fergus, Ontario, Canada, assignor to Beatty Bros. Limited, Fergus, Ontario, Canada, a company incorporated in the Dominion of Canada

Application February 2, 1942, Serial No. 429,255

In Canada May 25, 1940

5 Claims. (Cl. 68—253)



1. In a power operated clothes wringer, a frame, a pair of wringer rolls having shafts journalled in and carried by said frame, a cover normally latched to said frame and separable therefrom to at least a limited extent, means actuated by said cover when in latched position for applying pressure on said rolls, and means for instantaneously releasing said pressure, and means for driving said wringer rolls comprising a power driven gear, a driving gear mounted on the shaft of one of said rolls, and a third gear journalled in and carried by a housing movable independently of said rolls, said third gear being held in mesh with said power driven and roll driving gears when pressure is exerted on said rolls and out of mesh with said power driven and roll driving gears on the release of the pressure on said rolls.

2,346,894

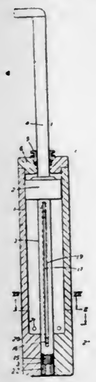
PILE HAMMER

Noel Gonne Bell, London, England

Application September 16, 1942, Serial No. 458,590

In Great Britain July 7, 1941

2 Claims. (Cl. 121—30)



1. A pile-driving hammer comprising, in combination, a hollow piston having upper and lower vertically extending hollow piston rods, a cylinder reciprocable relatively to the piston to form the hammer striking ram guided by the piston rods, a valve turnable within the hollow piston and having angularly spaced facing members engaging the inner surface of its peripheral wall, the said wall having admission and exhaust ports opening through the said inner surface and leading respectively to the cylinder space above and below the piston, means for supplying motive fluid to the hollow piston through the upper hollow piston rod, and means disposed wholly below the piston to turn the valve automatically on reciprocation of the cylinder alternately to open the said admission ports to the supply of motive fluid and to the said exhaust ports.

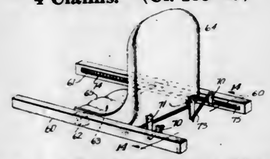
2,346,895

VEHICLE SEAT

Simon Bergman, New York, N. Y.

Application May 2, 1942, Serial No. 441,471

4 Claims. (Cl. 155—9)



1. Means for yieldably supporting a vehicle seat whose plane is normally substantially horizontal, said means comprising a piston, means for mounting the seat on said piston, a cylinder substantially parallel to the plane of said seat in which said piston is longitudinally movable, and yieldable means permitting limited horizontal movement of said piston and tending to restore said piston to its original position, said mounting means for the seat being pivotally connected to the seat at the forward end of the seat, and yieldable means connecting the rear of the seat to said piston, permitting said seat to pivot a limited but substantial amount about said forward mounting means.

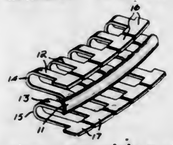
2,346,896

PISTON RING

Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts

Application March 17, 1941, Serial No. 383,706

2 Claims. (Cl. 309—45)



1. A piston ring comprising spaced-apart sides which include contiguously arranged segments, a central body portion, spaced-apart webs for connecting the segments to the central body portion, said webs extending from the central body portion in a direction radially inward of the ring, then axially of the ring and then radially outward of the ring.

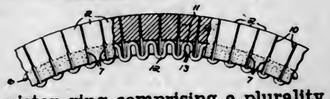
2,346,897

MULTIPIECE PISTON RING

Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts

Application April 30, 1941, Serial No. 391,121

4 Claims. (Cl. 309—44)



1. A piston ring comprising a plurality of segments arranged in spaced-apart relation, said segments being connected to one another at their inner edges by means of a reversely bent member, said reversely bent member being secured between clinched inner edges of the segments at points intermediate the upper and lower sides of the segments.

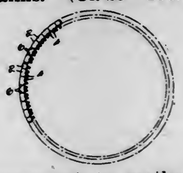
2,346,898

METHOD OF MAKING SLOTTED PISTON RINGS

Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts

Application August 20, 1941, Serial No. 407,577

4 Claims. (Cl. 29—156.6)



1. That improvement in methods of making piston rings which comprises cutting a strip of resilient piston ring material to provide spaced-apart transverse cuts, said cuts extending alternately from one edge of the strip to points within an opposite edge thereof, thereby forming partially severed crowns along edges of the strip and connecting portions for the crowns intermediate the edges of the strip, applying pressure along one edge of the strip to thin the crowns occurring therealong relatively more at their outer edge than at their inner edge to provide a series of successive wedge-shaped crowns, the same sides of successive wedges on the same side of the strip being substantially parallel, and bending the supporting portions and crowns into a split ring body in which opposed sides of successive wedges of the said side of the strip are arranged in parallel relation.

2,346,899

REINFORCING MEANS FOR PISTON RINGS

Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts

Application August 3, 1942, Serial No. 453,426

6 Claims. (Cl. 309—45)



1. A split piston ring comprising upper and lower layers of piston ring material connected together in axially spaced-apart relation, said layers being separated by cuts which define circumferentially spaced-apart segments, the extremities of the ring including relatively large segments and relatively small segments, each of said relatively large segments being bent at right angles and lying in contact with a relatively small segment, thereby to form flat abutting faces at the extremities of the ring.

2,346,900

TURNTABLE MECHANISM FOR TRAILERS OR TRUCKS

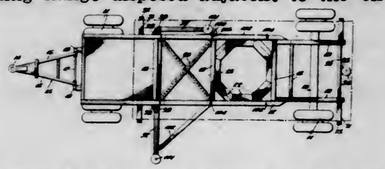
James J. Black, Cincinnati, Ohio, assignor to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware

Application May 8, 1942, Serial No. 442,201

6 Claims. (Cl. 280—6)

1. In a chassis for a trailer having a body, a trunnion mounted on the chassis, a support ele-

ment carried by the body and adapted to be turned, said support element including a sleeve engaged upon the trunnion, bearing means between the trunnion and sleeve, said trunnion element including a base portion for attachment to the chassis and an upstanding circular flange, said support element including an annular flange spaced below the body and having a circular depending flange disposed adjacent to the circu-



lar flange of the trunnion element, sealing means between said flanges, a circular wall member extending upwardly from the annular flange for a connection at its upper end with the body, a gear fixed about the trunnion within the chamber provided by the flanges, a pinion disposed within the chamber in mesh with said gear, and a drive shaft projecting down through the body into the chamber and carrying said pinion.

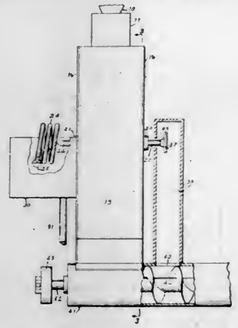
2,346,901
GRAPPLE
Michael B. Branden, Vancouver, Wash.
Application May 11, 1943, Serial No. 486,593
9 Claims. (Cl. 294—104)



2. An extensible grapple, including independent sections provided for endwise removable connection, grapple tongs carried by one end of one section, a plunger in such section for moving the tongs relatively to open position, spring means for moving the tongs relatively to closed position, the upper end of the plunger terminating in a socket, and an independent plunger in each of the remaining sections for operative contact only with such socket when the section is connected for use.

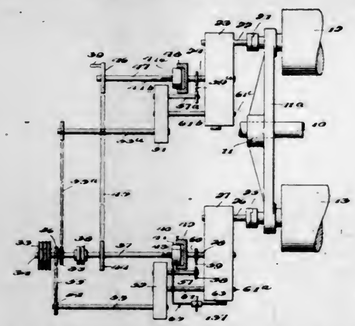
2,346,902
MEANS FOR TREATING GRAIN
George A. Brotherton, Laurinburg, N. C.
Application July 19, 1943, Serial No. 495,315
4 Claims. (Cl. 83—27)

1. Apparatus for applying treating liquid to grain comprising a casing having a pipe rotatably mounted therein, a wheel having cups on its periphery and fixedly secured on the pipe and being disposed within the casing, means for feeding grain into the upper end of the casing to strike the wheel and impart rotation to the wheel as the grain passes through the casing, a conveyer disposed below the casing and communicating therewith for conveying the grain laterally of the casing, an off-set scoop on one end of the pipe, a tank for holding liquid, the scoop as



it rotates being adapted to enter the liquid and transfer liquid into the pipe, the other end of the pipe having perforations therein through which the liquid will flow and means for conducting the liquid from the perforation to the conveyer where the liquid is mixed with the grain as it passes through the conveyer.

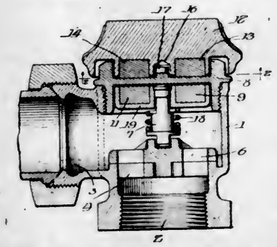
2,346,903
WEB ROLL CONTROLLING MECHANISM
Charles S. Caffrey, Port Washington, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application May 17, 1940, Serial No. 335,855
12 Claims. (Cl. 242—75)



1. In a device of the class described comprising an unwinding roll; a winding roll; a driving means for the unwinding and winding rolls; a main power drive; a drive unit for each roll including coacting shafts, one of which is an input shaft, another of which is an output shaft, and a third of which adjusts the ratio of speed between the other two shafts; a differential control unit for each drive unit including coacting elements, one of which is a variably acting element connected with the input shaft of each of the corresponding drive units, another of which is a constantly acting element each of which is connected with the main power drive, and another of which is an element actuated by the differential speed of the other two elements and connected with

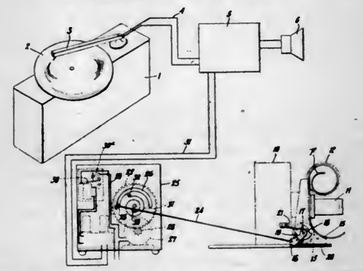
the third shaft of each of the corresponding drive units; a detachable driving connection between the drive means of each roll and the output shaft of each of the corresponding drive units; a driving connection between each of the input shafts of the drive units and the main power drive; and a device in the last-mentioned driving connection for each of the input shafts to provide a predetermined torque transfer between the main power drive and the input shafts.

2,346,904
VALVE
Ralph G. Carlson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Original application June 19, 1941, Serial No. 398,743, now Patent No. 2,289,574, dated July 14, 1942. Divided and this application December 26, 1941, Serial No. 424,487
2 Claims. (Cl. 137—139)



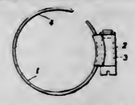
1. A packless valve comprising a body having an inlet and an outlet, a ported seat in the said body, a closure member for controlling the opening and closing of the ports of the said seat, permanent magnets non-rotatably associated with the said closure member, actuating means therefor, a stem cooperating with the said closure member, complementary permanent magnets associated with the said actuating means whereby lines of magnetic force from unlike magnetic poles of the said magnets attract each other and upon rotational movement of the said actuating means a similar rotational movement of the said closure member is effected, the said magnets associated with the said closure member being axially movable relative to the said stem, resilient means cooperating with the said stem to maintain the said latter mentioned magnets in spaced-apart relation to the closure member.

2,346,905
SOUND RECORDING
Conkling Chedister, Livingston, N. J.
Application October 11, 1940, Serial No. 360,751
8 Claims. (Cl. 88—28)



1. In a control mechanism in combination a sound record having audible frequencies and inaudible frequencies recorded thereon in tandem relation, said record also having interposed blank spaces of no recorded frequency, a pick-up, an electrical control device operable in one sense by transmission through the pick-up of either of said types of frequencies and operable in the opposite sense when the pick-up encounters one of said blank spaces.

2,346,906
MANUFACTURE OF BAND CLIPS HAVING CLOSING WORM GEARS
Charles William Cheney, Soho, Birmingham, England
Application May 8, 1943, Serial No. 486,262
In Great Britain February 24, 1942
3 Claims. (Cl. 29—159.2)

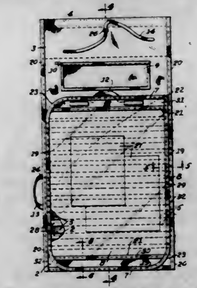


1. A process for providing a metal strip with worm teeth formed accurately to the pitch, depth and curvature of a given worm, comprising the steps of curving the portion of the flat strip to be provided with the teeth transversely to the arc of a sector of the given worm, forming the teeth in the convex surface of the curved strip portion by a rough machining across at the proper pitch angle, and, subsequently, accurately finishing the teeth and flattening out the curved strip portion by pressure between appropriately shaped dies.

2,346,907
SKINS AND METHOD OF DEHAIRING
Edward F. Christopher, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 22, 1942, Serial No. 444,103
22 Claims. (Cl. 8—94.16)

1. In a method of removing hair and wool from hides and skins, the step which comprises subjecting the hides and skins to the action of an aqueous alkaline medium containing lime, an alkali sulfide and a substance selected from the group consisting of cyanamide and water soluble compounds and derivatives of cyanamide.

2,346,908
FLEXIBLE ROLL-UP DRAWING BOARD
Gale C. Corley, Clinton, Ill., assignor of one-half to G. W. Lincoln, Jr., Louisville, Ky.
Application April 26, 1943, Serial No. 484,591
2 Claims. (Cl. 45—131)



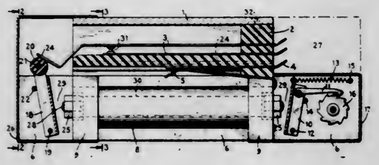
2. A roll-up drawing outfit which comprises a waterproof and fire resistant flexible base, a

transparent cover for a major portion of the base, means secured to all edges for attaching and detaching said cover from the base to provide a map storage space between the cover and the base, said transparent cover having surface electrical properties adapted to hold maps etc. against its under surface against accidental displacement, narrow transverse reinforcing slats associated with said base, and means for holding the parts in rolled up relation.

2,346,909
WATER SOFTENING MATERIAL AND THE MANUFACTURE THEREOF
Svein Dahl-Rode, New York, N. Y.
No Drawing. Application May 6, 1940, Serial No. 333,603
6 Claims. (Cl. 252—181)

4. A method of making a water-softening material which comprises treating coffee particles with a sodium hydroxide solution in the presence of metallic aluminum, the sodium hydroxide solution being of sufficient strength to react with and render soluble the metallic aluminum, washing the treated particles to remove excess sodium hydroxide, and then treating the coffee particles with an alkali metal silicate solution.

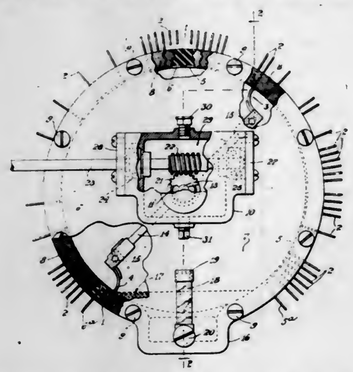
2,346,910
SERVICE METER AND RELAY FOR TELECOMMUNICATION SYSTEMS
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 19, 1942, Serial No. 427,304
9 Claims. (Cl. 179—8)



3. In an automatic or semi-automatic telecommunication system, a subscriber's line, electrical contacts individual to said subscriber's line, a line relay having a winding normally connected to a subscriber's line conductor over said electrical contacts, an electromagnet and a counting mechanism individual to said subscriber's line, means responsive to a predetermined energization of said magnet for opening said contacts and means responsive to a predetermined greater energization of said magnet for actuating said counting mechanism.

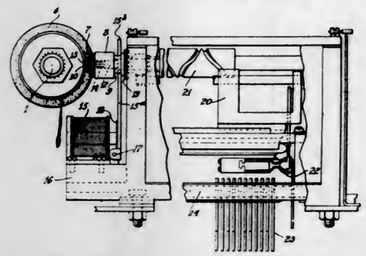
2,346,911
LINE SELECTOR SWITCH
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 5, 1942, Serial No. 429,654
8 Claims. (Cl. 179—27.51)

1. In a telecommunication exchange system the combination of a hunting switch comprising a number of fixed contacts and a wiper wiping thereacross, means for applying low tension marking potential to one of said fixed contacts, means for maintaining the cooperating surfaces of said wiper and contaets continually wet with oil, and test means responsive to weak currents



connected to the wiper of said switch for responding to the presence of said marking potential on said one of said contacts.

2,346,912
CLUTCH FOR TELECOMMUNICATION SELECTOR SWITCHES
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 15, 1942, Serial No. 451,019
11 Claims. (Cl. 179—27.5)

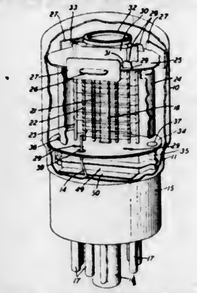


1. In a telecommunication selector switch, a terminal bank, a set of wipers cooperating therewith, a continuously driven shaft, a rotatable selector shaft mounted transversely of said continuously driven shaft for moving said wipers over said terminal bank, a disk mounted upon said continuously driven shaft comprising a bevelled face, a cylindrical sleeve slidably mounted on said selector shaft, a face on said sleeve in cooperative relationship with the bevelled face of said disk, at least one of said faces being composed of a semi-hard material, and a coil spring within said sleeve and encircling said selector shaft for pressing said faces together.

2,346,913
ELECTRON DISCHARGE DEVICE
Charles Depew, Oakland, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 15, 1941, Serial No. 415,017
15 Claims. (Cl. 250—27.5)

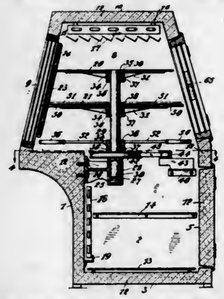
2. An electron discharge device comprising an enclosing vessel having a stem, a unitary electrode mount supported therein including a plurality of electrodes, a spacing insulator at one

end of said electrodes, a pair of juxtaposed spacing insulators at the opposite end of said electrodes, supports for said electrodes mounted along one diameter of said insulators, a pair of supports extending from said stem, a plurality of conductors in said stem connected to certain



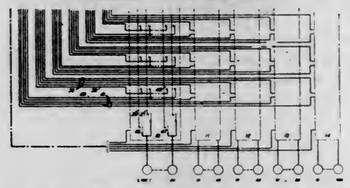
of said electrodes, means anchored between said juxtaposed insulators in offset relation with respect to said supports mounted along one diameter, said means projecting toward said stem for receiving said straight supports, and connectors bridging the gap between adjacent electrodes and said supports.

2,346,914
REFRIGERATED DISPLAY CABINET
William J. Drucker, Richmond Hill, N. Y.
Application June 16, 1941, Serial No. 398,191
1 Claim. (Cl. 62—89.5)



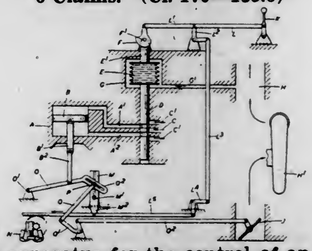
A refrigerated display cabinet comprising the combination of a refrigerated casing having a display and storage sections and a cooling coil unit stationary in at least one of the sections and at least one display assembly in said display section, said display assembly comprising a plurality of display turntables, a spindle rotatably secured to said casing with its axis of rotation vertical, an electric motor and driving means connecting the motor with the spindle to slowly turn the spindle in one direction, a circuit of said motor including a switch means operated by said door to automatically open when servicing the refrigerated cabinet, to then stop said motor and to automatically close when the servicing is complete, to cause said motor to then run, hubs mounted revolvably in predetermined axially spaced positions upon the spindle, clutch means to rotatably drivingly engage the spindle to the hub and effective upon the turning of the spindle in said direction, said clutch means being releasable to disengage the spindle from each hub by manually turning the hub in the same direction, a plurality of brackets radially attached to said hubs, and at least one display supporting means attached to each of said brackets, the arrangement providing extended air channels adjacent to portions of the path of the outer end of said display supporting means, to enhance the air circulation within the refrigerator cabinet.

2,346,915
TELEPHONE SYSTEM
Kenneth L. Frederick, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1942, Serial No. 449,083
7 Claims. (Cl. 179—22)



1. In a telephone system, a crossbar switch having intersecting horizontal and vertical rows of contacts, pairs of trunks, each pair terminating in a separate horizontal row of contacts, pairs of links, each pair terminating in a separate vertical row of contacts, said horizontal and vertical rows of contacts at each intersecting point being arranged to establish a connection between one trunk and one link of the two intersecting pairs over one set of said contacts and between the other trunk and the other link over another set of said contacts, subscribers' lines terminating in said switch, two separate sets of contacts in said switch for each subscriber's line for connecting it to one or the other of an associated pair of links, and means responsive to the seizure of a subscriber's line for choosing a first pair of trunks of which one at least is idle, for choosing a first trunk of said pair, if idle, and connecting said idle trunk to the associated link of the pair to which the calling line has access, over the contacts at the corresponding crosspoint, and connecting said link to the calling line over the corresponding separate set of contacts.

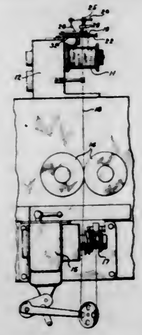
2,346,916
APPARATUS FOR THE CONTROL OF INTERNAL COMBUSTION ENGINES
Frank Bernard Halford, Edgware, and Adrian Leslie Catford, Hampton, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application May 12, 1942, Serial No. 442,676
In Great Britain July 17, 1941
6 Claims. (Cl. 170—135.6)



1. In apparatus for the control of an internal combustion engine as used for the propulsion of aircraft including an engine having a throttle and an air screw pitch governor, the combination of two links each mounted and swinging as a lever and lying adjacent and crossing each other at an angle, a member engaging and sliding

along both links, the position of said member along one of said links being determined by swinging movement of the other link, a connection between said sliding member and the engine throttle, a hand lever and means whereby it can swing one of said first links and simultaneously control the air screw pitch governor, and a servomotor which is controlled by boost pressure and is operative to move the said second link.

2,346,917
TAKE-OFF AND TENSIONING DEVICE FOR STRAND SUPPLIES
Wilhelm A. Heger, Lansdowne, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1942, Serial No. 468,240
8 Claims. (Cl. 242—45)



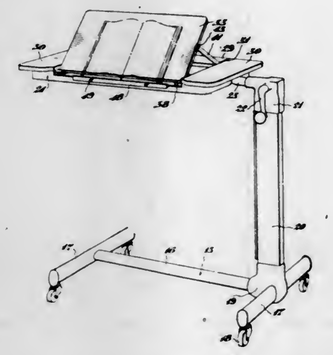
1. A strand tensioning device for a strand supplying apparatus having a strand supply and an automatic strand tension controlling means actuated by a tension arm to regulate the rate of withdrawal of a strand from the strand supply, which device comprises a slidable sheave around which the strand is drawn directly from the strand supply, and an elongated roller contacting the strand and coacting with the slidable sheave to cause the strand to advance under a uniform tension.

2,346,918
SCARF
Edward O. Herbranson, Hibbing, Minn.
Application November 21, 1942, Serial No. 466,435
2 Claims. (Cl. 2—91)



1. A neck scarf comprising a rectangular body of fabric material, a pair of tapes extending along one and the same side of said body inwardly from diagonally opposite corners thereof and in longitudinal alignment, and means to fasten said tapes together comprising a pair of complemental slide fasteners extending along side edges of said tapes, respectively, on one and the same side of the longitudinal center of said tapes.

2,346,919
TABLE CONSTRUCTION
William A. Hillenbrand, Batesville, Ind., assignor to Hill-Rom Company, Inc., Batesville, Ind., a corporation of Indiana
Application October 31, 1941, Serial No. 417,234
9 Claims. (Cl. 311—106)



1. A top construction for use in an overbed table or the like, comprising a supporting frame, a top, an adjustable top section countersunk in the forward and central portion of said top, means pivotally connecting the adjustable section to the table top and permitting complete rotation of said adjustable section, and abutment means disposed along and beneath said adjustable section and engageable by either longitudinal edge of said adjustable section for holding said section in various different angular positions.

2,346,920
HYDROGENATED PRODUCT
Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 8, 1941, Serial No. 378,059
19 Claims. (Cl. 260—100)

5. As a stable rosin product of relatively high melting point, hydrogenated polymerized rosin acid.

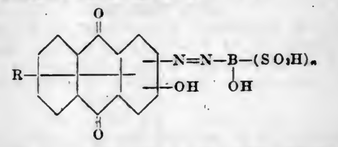
2,346,921
HYDROGENATED PRODUCT
Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application February 8, 1941, Serial No. 378,059. Divided and this application February 9, 1943, Serial No. 475,275
13 Claims. (Cl. 260—100)

1. As a stable rosin product of relatively high melting point, a hydrogenated polymerized rosin ester.

2,346,922
METALLIZABLE AZO DYE
Oliver H. Johnson, Edgewood Arsenal, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 13, 1941, Serial No. 397,901
8 Claims. (Cl. 260—147)

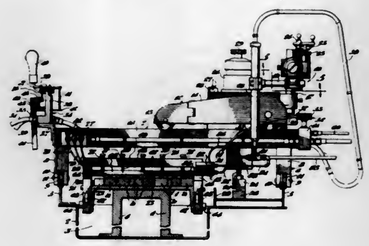
1. A dye of a group consisting of the compounds

and the metal complexes thereof which in the acid form are represented by the formula.



wherein the —OH groups are ortho to the azo bridge, R is one of a group consisting of hydrogen, hydroxy, halogen, anilido and sulfonic acid; —B— is the nucleus of one of the group consisting of azo dye coupling components of the naphthol sulfonic acid series and the sulfo-phenyl-pyrazolone series; and n is an integer not greater than 2, said metal being from a group consisting of copper, chromium, nickel and cobalt.

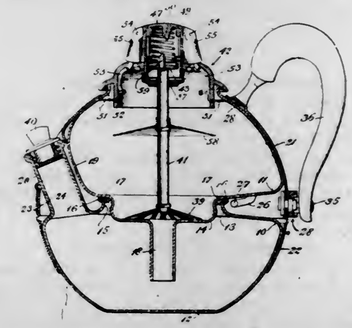
2,346,923
APPARATUS FOR FLAME HARDENING RACKS AND THE LIKE
Alfred Kullman and Thomas A. Waltz, Cincinnati, Ohio, assignors to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Original application May 15, 1941, Serial No. 393,594. Divided and this application August 22, 1941, Serial No. 407,994
8 Claims. (Cl. 266—5)



1. Apparatus for flame hardening the teeth of racks and the like which comprises a bed having a table for supporting a rack thereon, a carriage which is movable longitudinally of the table, means including a torch which is movable upon said carriage transversely of the table, motor apparatus for driving said means across the table, means for feeding gas to said torch including a valve located on said carriage, a dog which is operated in conjunction with said torch supporting means for closing said valve when the torch has been driven across the table, and means for relighting said torch comprising a pilot light, a valve adapted to admit a rush of gas therethrough when the valve is operated, with the pilot being arranged to ignite said rush of gas and thereby direct a jet of flame toward said torch, and means carried by said torch supporting means for opening said valve when the torch is moved to the opposite side of the table.

8. Apparatus for flame hardening the teeth of racks and the like comprising a table, a carriage movable longitudinally of the table, a torch movable across the table, with said torch being arranged to provide a jet of flame capable of heating the metal of the teeth of racks located on the table to hardening temperature as the torch is moved transversely, means for aligning the teeth of a plurality of racks arranged upon said table, and buffer racks having teeth of substantially the same configuration as the teeth of racks to be treated, the said suffer racks being adapted to be located at opposite sides of a plurality of racks arranged in side by side relationship whereby the teeth of the buffer racks constitute the terminals of each line of teeth and prevent the edges of the teeth of the racks being treated from being burned.

2,346,924
COFFEE MAKER
Herbert G. Lehmann, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Original application September 8, 1939, Serial No. 293,875. Divided and this application February 26, 1942, Serial No. 432,431
1 Claim. (Cl. 99—292)

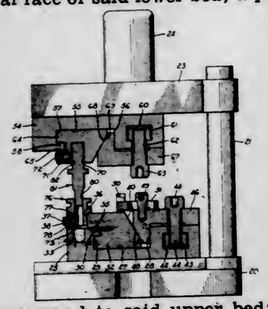


In a coffee maker of the vacuum type having an upper vessel provided with an aperture, a cover for said aperture in the upper vessel, said cover having a portion extending into said aperture, a pair of slide bolts carried by said inwardly extending portion of the cover on opposite sides thereof and radially projectable and retractable relative to the axis of the cover, an inwardly faced shoulder formed on the interior of the upper vessel adjacent its upper end adapted to engage said slide bolts upon projection thereof and to release them upon their retraction; a U-shaped spring normally urging said slide bolts to projected position; a pair of pivoted levers for operating said slide bolts; and a pair of manually operable grip members connected to said levers for retracting said slide bolts to release the cover for removal from the vessel without movement of the cover relative to the vessel.

2,346,925
MULTIPLE PUNCH
William D. Lewis, Northridge, Calif., assignor to Timm Aircraft Corporation, Los Angeles, Calif., a corporation of California
Application January 2, 1943, Serial No. 471,209
11 Claims. (Cl. 164—118)

1. In a punch and die set, the combination of: a lower bed having a lateral face; an upper bed; means for moving said upper bed vertically relative to said lower bed; a die block adapted to be supported on said lower bed with one side thereof in engagement with said lateral face, the other side of said die block being bevelled; a clamp adapted to be releasably secured to said lower bed, said clamp having a bevelled face adapted to engage said bevelled side of said die block and movable vertically relative to said die block so as

to hold said die block in a desired position against said lateral face of said lower bed; a punch block



releasably secured to said upper bed; a die secured in said die block; and a punch secured in said punch block.

2,346,926

CONDENSATION PRODUCT

Eugene Lieber, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application November 16, 1939, Serial No. 304,781, now Patent No. 2,268,410, dated December 30, 1941. Divided and this application July 1, 1941, Serial No. 400,659

8 Claims. (Cl. 260—592)

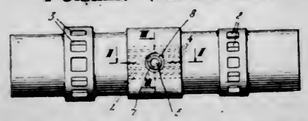
1. The process which comprises reacting about 1 mol of a condensible aromatic compound having 1 to 3 nuclei with a mixture of acyl halides, comprising about 1 mol of an acyl halide having more than 10 carbon atoms and about ½ to 1 mol of an acyl halide having not more than 10 carbon atoms, in the presence of a Friedel-Crafts catalyst at a temperature between the approximate limits of room temperature and about 220° F., decomposing and removing the catalyst, and distilling the reaction products with fire and steam distillation up to about 600° F. to obtain the desired distillation residue.

2,346,927

CYLINDER LINER FOR INTERNAL COMBUSTION ENGINES

Hans Lieberherr, Winterthur, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland

Application May 27, 1942, Serial No. 444,679
In Switzerland September 20, 1941
4 Claims. (Cl. 123—173)



3. A cylinder liner for an opposed-piston internal combustion engine having an enlarged wall portion between the ends which surrounds the combustion space, an opening in the enlarged portion leading into the combustion space for receiving a fitting such as a valve, a number of small spaced cooling-passages extending through the enlarged portion, an annular space in the enlarged portion of the liner surrounding the opening leaving an annular rim of the liner around the opening, at least one of the cooling-passages entering the annular space whereby a cooling fluid may circulate in the cooling-passage and in the annular space.

2,346,928

COMPOSITION FOR DESTROYING FOAM AND FROTH

Charles H. Lighthipe, Bloomfield, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application May 29, 1940, Serial No. 337,822
19 Claims. (Cl. 106—131)

1. A process of abating the formation of foam in foamable materials comprising adding to such materials an agent comprising a partial ester of a polyhydric alcohol with a higher hydroxy fatty acid blended with a hydrophobic substance selected from the class consisting of animal and vegetable oils, fats and waxes and mineral oils and waxes.

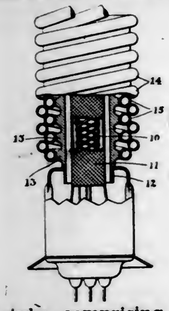
12. A non-foaming glue containing a foam abating agent comprising glyceryl mono-hydroxy stearate blended with a hydrophobic substance selected from the class consisting of animal and vegetable oils, fats and waxes and mineral oils and waxes.

2,346,929

POWER TUBE STRUCTURE

Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application June 6, 1942, Serial No. 446,034
7 Claims. (Cl. 250—27.5)



1. A vacuum tube comprising a cathode, a control grid arranged about said cathode, and an anode, said cathode comprising a plurality of spiral quadrifilar wound filamentary cathode units positioned end to end, means for connecting in each unit the windings in series parallel connection so that current flows in opposite directions in adjacent turns of said spirals, the series connected ends of the windings being connected to a common point, means for feeding said units in parallel with respect to one another, and means for mechanically supporting said units, said anode comprising a metallic shell surrounding said cathode and grid and means for developing a relatively low temperature gradient within the metal between the internal surface of said shell and a cooling medium including liquid carrying metallic pipes wound about said shell and in direct thermal contact therewith.

2,346,930

ROAD CONSTRUCTION

John H. Long, Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 24, 1942, Serial No. 470,117
6 Claims. (Cl. 94—22)

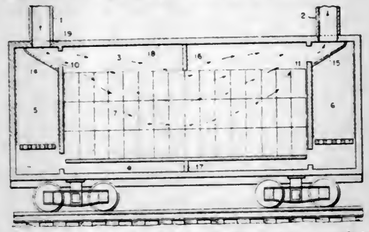
1. As a construction expedient in the art of building roads and the like, wherein a bituminous material is incorporated as a binder for unstable soil, the step which comprises treating the soil, prior to incorporation of said bituminous material, with a pine wood resin in a minor proportion sufficient to inhibit the deleterious effects of precipitation and capillarity.

2,346,931

METHOD AND APPARATUS FOR CONTROLLING THE CIRCULATION OF AIR IN REFRIGERATOR CARS

Charles W. Mann, Pomona, Calif., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office

Application September 24, 1942, Serial No. 459,512
1 Claim. (Cl. 62—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



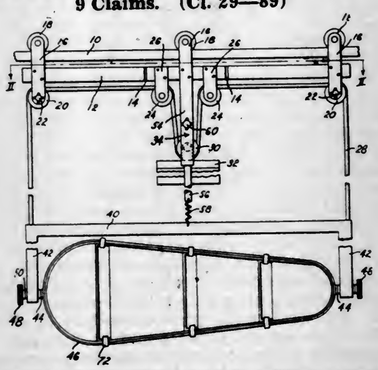
A method of precooling lading in a refrigerator car having an ice bunker at one of its ends with top and bottom bulkhead openings communicating with the lading and with another opening at its top communicating with the outside of the car, and having a corresponding bunker at its other end, comprising circulating precooled air into the outside opening of the first-mentioned bunker, thence deflecting it through its top bulkhead opening, thence circulating it across, downward, into and around the lading and out of the top bulkhead opening of the second-mentioned bunker, and thence deflecting it out of the outside opening of the second-mentioned bunker.

2,346,932

SUPPORTING APPARATUS

Homer Mays, North Lima, Ohio

Application December 12, 1942, Serial No. 468,847
9 Claims. (Cl. 29—89)



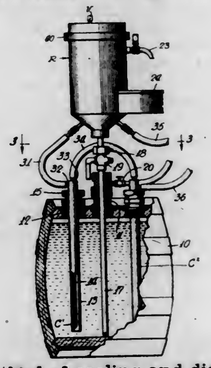
1. Article supporting and handling apparatus comprising a work receiving jig, quickly releasable clamp means for holding work in the jig, trunnions at the ends of the jig for supporting it for rotation about an axis, a frame rotatably receiving the trunnions and supporting the jig, means for varying the ease with which the trunnions will rotate in the frame, overhead means, a plurality of flexible cables extending between the overhead means and the frame, adjustable tension pulleys supporting the cables, and counterbalancing means associated with the cables whereby the frame and jig can be tilted or swung to best position the work for any given operation thereon.

2,346,933

ART OF BREW COOLING AND DISPENSING

Frederick G. Merckel, Montclair, N. J., assignor to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware

Application March 11, 1942, Serial No. 434,159
13 Claims. (Cl. 62—141)



1. The method of cooling and dispensing brew, which consists in tapping a brew keg, intercepting brew therefrom, introducing small hollow heat conductive members through the wall of the keg, to occupy space therein vacated by the intercepted brew, and circulating cooling fluid both through the hollow members within the keg and into heat conductive relation with the intercepted brew and dispensing from the latter.

2,346,934

IMPREGNATED FIBROUS MATERIAL

Abraham B. Miller, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 25, 1941, Serial No. 385,131
6 Claims. (Cl. 117—91)

1. The process which comprises impregnating a fibrous material with a liquid ester of a rosin acid selected from the group consisting of abietic acid and hydrogenated abietic acid, and thereafter saturating the fibrous material so impregnated with an asphaltic material.

2,346,935

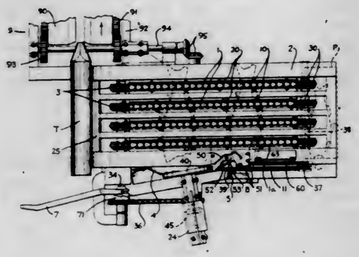
FEEDER TABLE FOR FISH DRESSING MACHINES

Norford L. Oates, Seattle, Wash., assignor to Smith Cannery Machines Company, Seattle, Wash., a corporation of Washington

Application April 15, 1940, Serial No. 329,714
19 Claims. (Cl. 17—4)

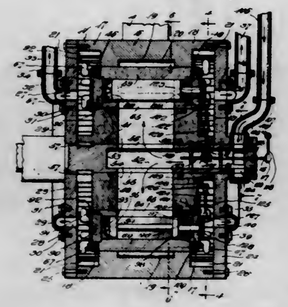
19. A fish-beheading machine, comprising supporting means whereon the fish are laid, means to advance the fish in definitely spaced relation-

ship along said supporting means to and past a beheading point, a sharp chopping knife, means supporting said knife for movement downward in a path which intersects the supporting means at the beheading point and upward in a different



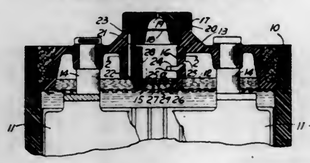
path circumventing the beheading point, and means timed with the fish-advancing means operable to move the knife at a speed to slice entirely through a fish in a single stroke as it arrives at the beheading point for effecting complete and clean-cut severance of the head of the fish from its body and entrails.

2,346,936
ROTARY STEAM ENGINE
Earl N. Ogle, Bozeman, Mont.
Application April 24, 1941, Serial No. 390,173
7 Claims. (Cl. 253—87)



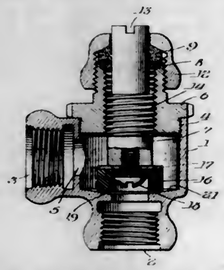
1. A rotary steam engine including a stator having a thickened circumferentially extending central portion formed with recesses defining vanes, said stator having reduced end portions formed with recesses defining vanes, a rotor, an axle extending through the stator and rotatably mounting the rotor within said stator, said rotor having a discharge passage disposed to selectively confront the recesses in the thickened central portion, an exhaust port formed in the rotor at one side of the discharge passage, exhaust pipes connected with the exhaust port and disposed toward the vanes in the reduced end portions, means for leading steam to the rotor, said steam passing through the discharge passage and impinging against the first-mentioned vanes for effecting rotation of the rotor, said steam exhausting through the exhaust pipes and impinging against the second-mentioned vanes for aiding rotation of the rotor upon alinement of the exhaust port with certain of the recesses, and exhaust means for leading exhaust steam from the stator.

2,346,937
VENT STRUCTURE FOR CELLS EMPLOYING LIQUID ELECTROLYTES
Clair Delmer Olson, Flagstaff, Ariz., assignor to The Electric Storage Battery Co., a corporation of New Jersey
Application August 19, 1942, Serial No. 455,318
10 Claims. (Cl. 136—177)



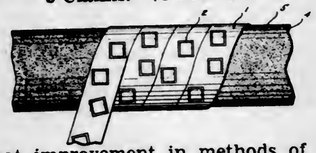
1. In a cell employing liquid electrolyte a device for preventing overfilling of said cell comprising a cover, a filling well in said cover having walls projecting downwardly into said cell defining an enlarged opening, means adjacent said opening for restricting the flow of liquid through said opening, an air vent in said cover adjacent said filling well having one end terminating below said cover at the desired electrolyte level and its opposite end terminating adjacent the outer surface of said cover, and a main filling opening in the wall of said filling well above said flow restricting means but below said cover, said filling opening being constructed and proportioned to fill with liquid during a filling operation so that liquid flowing therethrough will form a seal to prevent the escape of gas other than through said vent tube during the filling operation.

2,346,938
VALVE
Emil G. Oravec, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 25, 1942, Serial No. 440,523
5 Claims. (Cl. 251—27)



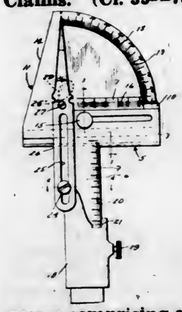
1. A quiet flow valve comprising a body having an inlet, an outlet, and a restricted outlet orifice therebetween, an inwardly inclined seat above the said inlet inclined slightly from the horizontal plane, the said inclined seat extending continuous and unbroken to an internal curved body wall defining a substantially closed cylindrical chamber within the body except for that portion forming the said restricted outlet orifice, a closure member substantially larger than the inlet seat opening of the valve body and having a central recessed portion positioned over the inlet seat opening, the contact surface of the said closure member extending in a substantially horizontal plane whereby the said closure member makes contact at its outer periphery with the inclined seat to direct line flow radially outwardly and upwardly against the curved wall of the cylindrical chamber.

2,346,939
METHOD OF MAKING PRINTING ROLLS
John J. Ormond, Boston, Mass., assignor of two-thirds to Joseph D. Ramsey, Boston, Mass.
Application April 23, 1941, Serial No. 389,951
3 Claims. (Cl. 95—5.7)



1. That improvement in methods of etching printing rolls which comprises providing a light-sensitive coating on a printing roll, then transferring opaque designs to the surface of the light-sensitive coating by means of a diagonally wound strip on which the opaque material is first applied, said opaque material occurring angularly with respect to the parallel edge of the strip whereby the design, when applied on a light-sensitive coating, occurs squarely with respect to the axis of the printing roll, exposing the roll to light to harden parts of the light-sensitive coating on the printing roll, removing unhardened parts of the light-sensitive coating, and etching.

2,346,940
ANGLE GAUGE
Ralph A. Palmer, San Diego, Calif.
Application August 31, 1942, Serial No. 456,807
2 Claims. (Cl. 33—75)

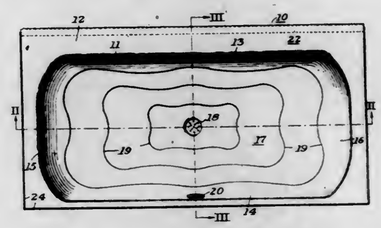


1. An angle gauge comprising a pair of slidably connected members each having graduations thereon arranged at right angles to each other, an indicator on one member movable therewith along the graduations of the other member, a slide on said one member having an indicator movable therewith along the graduations of said one member, said other member also having arcuately arranged graduations, and an indicator pivoted on said other member in and swingable over the arcuate graduations and connected to the slide for actuation of the pivoted indicator in accordance with the movement of the slide and in accordance with the movement of the members relative to each other.

2,346,941
AZO DYE INTERMEDIATES
William B. Reynolds, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application September 6, 1941, Serial No. 409,832. Divided and this application February 25, 1942, Serial No. 432,246
4 Claims. (Cl. 260—510)

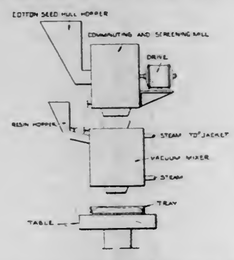
1. 2,2-dichlorotolidine disulfonic acid.

2,346,942
BATHTUB
Clarence J. Rodman, Alliance, Ohio
Application May 7, 1942, Serial No. 442,093
1 Claim. (Cl. 4—173)



A stationary bathtub adapted for permanent installation comprising a body composed of sheet steel having a well therein defined by spaced sides and ends and a bottom, a rim extending peripherally of said well, both said ends being inclined at substantially the same angle to the plane of said rim, said bottom having a central drain hole therein, the bottom sloping longitudinally and transversely toward said hole and being progressively stepped downwardly toward the latter, an overflow outlet in one of the sides, and a conduit extending from said outlet to a point adjacent said drain hole.

2,346,943
FIBERBOARD COMPOSITION
Fritz Rosenthal, Knoxville, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
Application April 19, 1941, Serial No. 389,468
5 Claims. (Cl. 18—47.5)

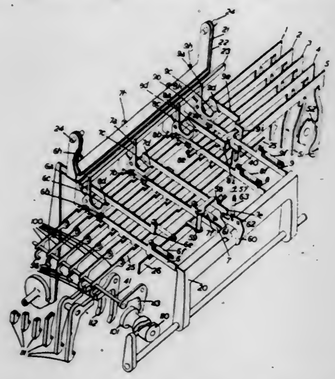


1. A method of forming fiberboard which comprises comminuting cottonseed hulls to produce hull bran of approximately 100 mesh size, adding to said bran a small percentage of hull fiber, mixing a small percentage of phenolic resin therewith and subjecting the resulting mass to heat and pressure until the resin is cured.

2,346,944
PRINTING TELEGRAPH APPARATUS
Reginald Dennis Salmon and Alan Arthur Kirchel, Croydon, England, assignors to Creed and Company Limited, Croydon, England, a British company
Application August 11, 1943, Serial No. 498,190
In Great Britain August 14, 1942
12 Claims. (Cl. 178—27)

2. Printing telegraph receiver comprising a selector member for a function to be performed,

a secondary member associated with the selector member, means for moving the selector member in one direction when the corresponding function is selected, means for returning the selector member in the reverse direction, means actuated



by the selector member for moving said secondary member with it in the reverse direction and means actuated by the movement of said secondary member in said reverse direction for initiating the performance of said function.

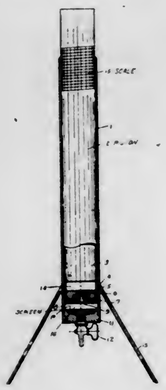
2,346,945

PULP CONSISTENCY TESTING APPARATUS

Edward W. Samson and Alfred H. Croup, Erie, Pa., assignors to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania

Application September 16, 1941, Serial No. 411,056

1 Claim. (Cl. 73—51)



An apparatus for quickly and accurately measuring the consistency of a sample of pulp introduced therein, which comprises a cylinder open at the top, a perforated closure member across the bottom of the cylinder, a weighted piston that fits loosely into the cylinder, having at its lower end a sealing member in the form of a flexible, elastic, relatively thin projecting disc-like membrane attached in a horizontal plane around the bottom of the piston, with outside diameter slightly larger than that of the cylinder, and enough free space surrounding it to allow it considerable flexibility in the region between its attachment to the piston and its contact with the cylinder, when inserted therein, thereby sealing against the escape of fibers while still maintaining uniform friction against the cylinder wall throughout the motion of the piston, and having also at the lower end of the piston a perforated plate or screen so disposed and connected to egress channels in the piston as to facilitate the early escape of air from under the piston up through the clearance provided between the walls of the cylinder and the piston.

2,346,946

CATTLE MARKER

William F. Schacht, Huntington, Ind.

Application July 10, 1942, Serial No. 450,471

3 Claims. (Cl. 40—3)



1. An animal marker or the like, comprising a marker plate having a hole adjacent its upper edge, said plate bearing indicia on its front face; a hook engaged in said hole and having an eye; a member encircling the neck or horns of the animal and engaged by said eye; said hook comprising a length of relatively stiff wire having its ends bent back to form eyes and having its center humped to partly close said eyes; one eye of each hook engaging the hole in the plate, the end of the plate engaging eye overlying the edge of the plate; and the plate engaging eye being mashed to partly embed the wire in the material of the plate to rigidly secure the hook to the plate.

2,346,947

METHOD OF SATURATING FELTED FIBROUS MATERIAL

Raymond F. Schlaanstine, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 25, 1941, Serial No. 385,133

2 Claims. (Cl. 117—140)

1. In a process for producing asphalt-saturated fibrous felts in which felted fibrous material selected from the group consisting of cellulose, wool, and asbestos fibers is placed in a bath of hot molten asphalt until impregnated thereby, then removed and permitted to cool to bring about solidification of the asphalt absorbed thereby, the improvement which consists in impregnating and saturating said felted fibrous material in a molten bath prepared by combining and melting asphaltic material substantially free of volatile material with from about 1% to about 10% of a lower aliphatic monohydric alcohol ester of a rosin acid selected from the group consisting of abietic and hydrogenated abietic acids, the percentages being by weight of the resulting blend, to increase the fluidity and saturation speed of the asphaltic material, whereby more efficient saturation of the felted material is obtained without causing embrittlement of the cold asphalt such as that caused by addition of rosin and like fluxes or causing undue softening such as that caused by addition of oils, fats and the like.

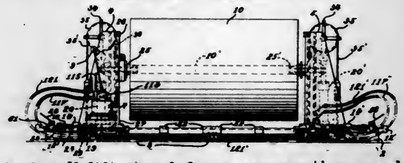
2,346,948

ROLL LIFT STAND

William G. Shackelford, Wood County, W. Va., and Arthur L. Wiley, Baltimore, Md., assignors to F. X. Hooper Company, a corporation of Maryland

Application February 4, 1942, Serial No. 429,558

28 Claims. (Cl. 242—58)



1. A roll lift stand for a corrugating machine for making corrugated board and the like, having two upright frames mounted to move each toward and away from the other substantially on a single horizontal path, each said frame comprising an upright way, two roll centering means adapted to engage and to be inserted in the opposite axial ends of a roll located between said frames to center and support the roll and mounted to move along said upright ways to align and to lift and lower the rolls, a hydraulic motor comprising a hydraulic cylinder and piston at one end of said machine and means connecting said motor to one of said frames to advance the frame along said path for supplying roll engaging and centering pressure to said centering means said connecting means comprising means whereby the said latter frame is moved along said path by said motor for distances in excess of the length of the piston stroke.

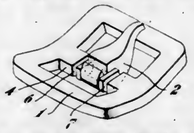
2,346,949

BUCKLE

Jay J. Sindler, Boston, Mass.

Application April 29, 1943, Serial No. 485,031

3 Claims. (Cl. 24—188)



1. A buckle composed entirely of resilient thermoplastic material and consisting of a closed frame member having a centrally disposed crossbar formed with a portion of generally cylindrical shape, and a tongue having an enlarged end which tapers toward its opposite end, said enlarged end being formed with a cylindrical opening of approximately the same diameter as the cylindrical portion of said crossbar, which opening communicates with a radially extending slot having a width less than the diameter of said opening, the enlarged end of said tongue fitting about and being pivotally supported by the cylindrical portion of said crossbar with its tapered end engageable with the opposite ends of said frame.

2,346,950

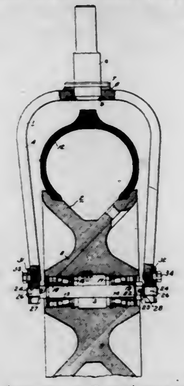
WHEEL MOUNTING

Walter F. Strehlow, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application July 24, 1941, Serial No. 403,804

6 Claims. (Cl. 301—1)

1. In a detachable wheel mounting, a wheel, an axle extending through said wheel and having, near each end thereof, a circumferentially recessed and laterally flattened portion and an inner and an outer shoulder at the axially inner and outer ends, respectively, of each of said axle portions, each of said inner shoulders having a continuous inner edge on the circumferentially recessed and laterally flattened axle portion adjacent thereto, a plate metal yoke having open-ended slots in its ends straddling said circumferentially recessed and laterally flattened axle portions and cooperating therewith to secure said axle against rotation about its axis relative to said yoke, said slotted ends of said yoke also cooperat-



ing with said inner and outer shoulders to prevent substantial widening and narrowing of the leg spacing of said yoke; means including locking elements connected, respectively, with the legs of said yoke and cooperating with said axle, for releasably locking said axle against transverse movement out of said slots; and bearing means independent of said yoke, cooperating with said wheel and axle to retain said wheel and axle rotatably upon and in axially fixed position relative to each other, said bearing means including an axially adjustable abutment threaded upon a portion of said axle intermediate said inner shoulders thereof.

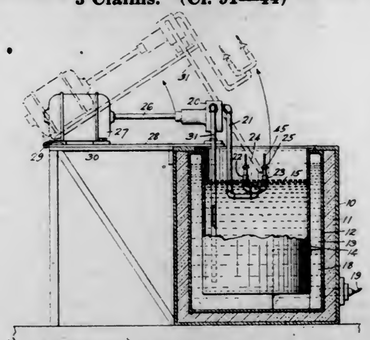
2,346,951

COLLAPSIBLE TUBE COATING MACHINE

George W. Temple, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York

Application April 24, 1942, Serial No. 440,276

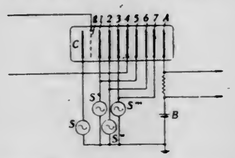
3 Claims. (Cl. 91—44)



1. In a machine for coating the interior surface of collapsible tubes, a heated container for coating material, a pump inlet pipe, a pump carrying said pipe, a discharge pipe carried by the

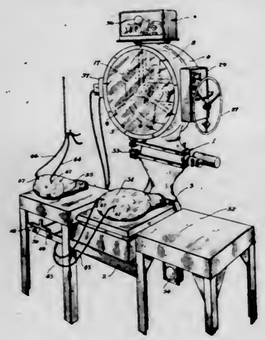
pump, a valve in said discharge pipe, a relatively movable delivery pipe extending from the valve and operating the valve on the movement thereof, and means for pivotally supporting the pump, the valve and said pipes for swinging movement of said pipes into and out of said container.

2,346,952
ELECTRON MULTIPLIER
Stanislas Van Mierlo, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application November 18, 1936, Serial No. 111,429
In France December 28, 1935
21 Claims. (Cl. 250—27)



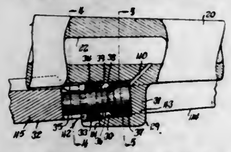
1. An electron multiplier comprising a source of primary electrons, a plurality of secondary electron emissive electrodes spaced a predetermined distance from one another, and means for establishing progressively phased variable electric fields between successive secondary emissive electrodes.

2,346,953
HAM PUMPING
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application March 24, 1941, Serial No. 384,896
5 Claims. (Cl. 99—256)



1. A scale for controlling the amount of pickle to be pumped into a meat product including a scale having a weighing system and a load receiving element; a scale pointer operatively connected to said weighing system to indicate the weight of the load on said element; a means to inject pickle into the meat on said element including valve means and means to force the pickle under pressure into the meat; a movable indexing pointer to cooperate with said scale pointer; a movable photoelectric system including a light stream for cooperating with the scale pointer; means interconnecting the indexing pointer and the photoelectric system whereby the photoelectric system will be advanced ahead of the indexing means a predetermined percentage of the movement of the indexing means; actuating means in circuit with said photoelectric system to operate said valve means for controlling the admission of pickle to the meat such that once the indexing pointer is set to coincide with the initial indication of the scale pointer when the meat is placed on the load receiving element, the pumping operation may be started and it will continue until the scale pointer meets the photoelectric means as weight is added to the meat on the scale whereupon the pumping of pickle into the meat is automatically discontinued.

2,346,954
GAS-OPERATED SELF-LOADING FIREARM
David M. Williams, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application October 26, 1940, Serial No. 362,943
In Canada October 7, 1940
7 Claims. (Cl. 42—3)



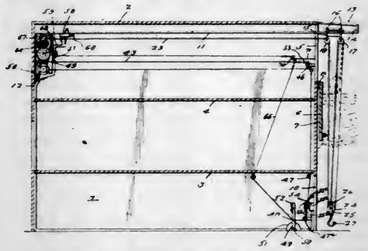
4. A gas-operated self-loading firearm-construction including in combination: a barrel having an axial bore; a cylinder adjacent the said barrel and provided with a piston-chamber open at one end, the said cylinder being also formed with a gas-passage connecting the bore of the said barrel and the piston-chamber of the said cylinder, the said cylinder being also formed in a wall remote from the said barrel with a drill-clearance passage adjacent the open end of the piston-chamber in the said cylinder and aligned with the gas-passage of the latter; an apertured ring-like sealing-member removably attached to the said cylinder and having a portion extending into the open end of the piston-chamber therein in position to seal the drill-clearance passage in the said cylinder; and a piston reciprocating in the piston-chamber of the said cylinder and having a portion extending outwardly through the said apertured ring-like sealing-member.

2,346,955
THERMISTOR
Henry Wolfson and Stanley Carden Shepard, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
No Drawing. Application July 1, 1942, Serial No. 449,352. In Great Britain August 22, 1941
3 Claims. (Cl. 201—67)

1. The herein described method of making preformed heater coil tubes for indirectly heated resistors which consists in applying to a heater coil having the requisite degree of flexibility a material which after fusion and subsequent solidification has insulating properties and applying heat to fuse the material whereby the surface tension of the fused material pulls the coil turns closely together to a homed stop position with a thin layer of the material between the successive turns.

2,346,956
HOISTING AND CONVEYING APPARATUS
Clarence N. Wold, Roseau, Minn.
Application July 5, 1943, Serial No. 493,584
1 Claim. (Cl. 212—87)

In a barn having end walls, and an upper doorway in one end wall, an overhead track extending from the other end wall horizontally out of the top of said doorway and terminating outside said doorway in an upturned loop, a carriage mounted on said track to travel from said loop through said doorway into said barn and provided with pulleys thereon, a reel mounted on said other end wall in elevated position, a block and tackle for elevating a load to said carriage when the latter is in said loop comprising a cable having one end fixed to said reel for winding of the cable on said reel and unwinding therefrom under operation of the reel in opposite directions, respectively, said cable being trained over said pulleys



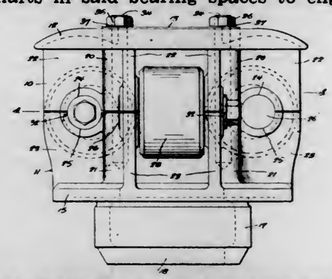
to form a block elevating and lowering loop when said cable is unwound, a motor drive for operative connection to said reel to operate the same in a cable winding direction and including a clutch adapted to be disengaged to permit the reel to idle in a cable unwinding direction, said drive being mounted in elevated position on said other end wall, a remote manual control for said drive, and a carriage operated control for said motor comprising a motor cut-out switch on said track operative by travel of the carriage into said barn, and settable along said track into different positions.

2,346,957
PRINTING COMPOSITION
Alexander J. Wuertz, Wilmington, Del., and Joseph Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1940, Serial No. 370,478
10 Claims. (Cl. 101—170)

1. An emulsion comprising a film-forming material, water, a water-insoluble solvent for the film-forming material and a poly-anthrimide pigment.

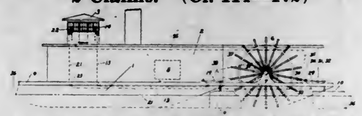
2,346,958
KELLY BUSHING
Walter A. Abegg, Los Angeles, Calif., assignor to Abegg & Reinhold Co. Ltd., Los Angeles, Calif., a corporation of California
Application March 4, 1942, Serial No. 433,323
1 Claim. (Cl. 255—23)

A Kelly bushing adapted to be rotated on a vertical axis in use, comprising a vertically bored body, including upper and lower sections of approximately similar vertical dimensions and similarly having upright posts at spaced points around the perimeter of the bore and wall-forming portions extending angularly with relation to said bore and radially therefrom in pairs, the said wall-forming portions of each pair being laterally separated in parallel relation and forming between them radial bearing spaces opening at their inner ends into the bore, the lower section having a depending externally polygonal seating extension, said wall-like portions of the upper and lower sections presenting horizontal facing edges having complementary semi-cylindrical recesses forming, in their assembled relation, horizontal bearing apertures, a shaft having its end portions journalled in the apertures of each pair of walls and adapted to be rigidly clamped by pressure of one section against the other, each shaft having an eccentric intermediate portion in its respective bearing space, rollers journalled on the eccentric portions of said shafts in said bearing spaces to engage a



polygonal Kelly bar in the bore and provide for communication of rotative movement thereto, said posts of the sections having, in vertical alignment, bolt-receiving bores, and vertical bolts in said bores clamping the sections together and rigidly against said shaft ends in lines at right angles to the applied force of rotation of the bushing, to thus coact with the clamped shaft ends in resisting torsional stresses of the sections relative to each other in use.

2,346,959
BOAT CONSTRUCTION
Edgar H. Ellinghouse, Davenport, Iowa
Application April 7, 1942, Serial No. 438,049
2 Claims. (Cl. 114—172)

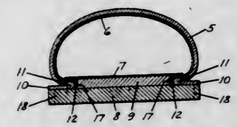


1. A boat having two pairs of rudders and a pair of propulsion wheels, the propulsion wheels being set into the stern of the boat and projecting laterally somewhat beyond the sides of the hull of the boat, one rudder in front of and one to the rear of each wheel and in approximately central alignment therewith, actuating means for the rearwardly located rudders connecting them for simultaneous operation, said means connecting the rudders being rigid, and means manipulable from the pilot-house to latch the rudders against lateral swinging or to release them for such motion, said latching means comprising a rigid arm pivotally mounted upon the hull of the boat and pins carried by the rigid means connecting the rudders, said arm swinging in an approximately vertical plane to be positioned between the pins to hold the rudders stationary or to be removed from between the pins whereby to make possible steering action of the rudders.

2,346,960
SHOE
William Grossman, Reading, Pa., assignor of one-half to Fein & Glass, Inc., a corporation of Pennsylvania
Application July 14, 1942, Serial No. 450,897
1 Claim. (Cl. 36—16)

In a shoe comprising an upper, inner and outer soles, and a filler between said soles, a through-

and-through seamed-together outer fold in said upper marginally-spaced from its bottom edge and extending inwardly between said inner and outer soles into abutted contact with said filler so as to support the overlying portion of said inner sole, and the bottom marginal portion of



said upper, beyond its seamed-together fold, extending outwardly to overlie the edge portion of said outer sole, and through-and-through seaming uniting said overlying marginal portion of said upper to said outer sole as the only securing means for the latter.

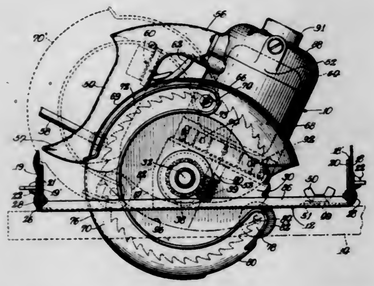
2,346,961

ELECTRIC HANDSAW

William E. Gundelfinger and Ollo Lamb, St. Louis, Mo., assignors to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application October 13, 1941, Serial No. 414,860

5 Claims. (Cl. 143—43)



3. In an electric hand saw having a circular saw blade mounted on a horizontal drive shaft, a mounting for the operative parts and a work-contacting plate positioned between the drive shaft and the lower rim of the saw blade, the combination of a guard for the outer marginal portion of the saw blade comprising a pair of arcuate channel members, one of said members being fixed to the mounting and the other of said members being pivotally movable and having one end overlapping substantially one-half of said one member with one end of the sides of said other member pivoted at substantially the center of said one of said members, one of said members extending around one portion of the blade circumference and the other extending around another portion of said circumference, said movable member having free movement in a pivotal direction, a work-contacting element on said free end adapted to contact the edge of the work and travel rearwardly in a path closely adjacent the under surface of said work contacting plate until the rear edge of the saw blade below the plate enters the work, the movable arcuate member assuming a plurality of positions tilted rearwardly and upwardly as said movable arcuate member is urged away from the blade by progressive contact of the work-contacting element with the work during a sawing operation.

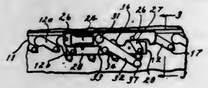
2,346,962

VOTING MACHINE

Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware

Application June 9, 1941, Serial No. 397,152

2 Claims. (Cl. 235—54)



1. In a voting machine having a keyboard and a row of voting indicators mounted on said keyboard for pivotal movement thereover, a device for moving several of said indicators into voted position comprising a supporting member, hook-like portions on said member engageable with the hubs of certain of said indicators, means on said member operable to secure said hook-like portions against displacement from said hubs, means carried by said member operable to simultaneously engage the free ends of and move said several indicators into voted position, and a lever carried by said member, said lever having connection with and being movable to operate said last mentioned means.

2,346,963

ROW CROP HARVESTER AND HEADER

Wakefield Hague, Dallas, Tex.

Application March 7, 1942, Serial No. 433,692

3 Claims. (Cl. 56—59)

1. In a machine for harvesting and heading row crops, a wheeled frame, a pair of parallel guides forwardly of said frame defining a stalk receiving slot, conveyor means for stalks operating along the edges of said slot, cooperating cutting discs at the inner end of said slot for severing stalks at their bases, a pair of spaced, relatively parallel square shafts perpendicular to said frame, means for conveying severed stalks in upright position between said shafts, a header frame slidable vertically on said square shafts, a pair of relatively short shafts supported by said frame and disposed forwardly and in parallel relation to said square shafts, sprockets carried by said short shafts and said square shafts in alignment, chain conveyors on said sprockets, cutting discs mounted on and rotatable by said square shafts and movable with said header frame for severing the heads from said stalks, a cable supporting said frame, a winch on which said cable is wound for effecting vertical adjustment of said header frame, a traveling elevator for removing heads severed by the header discs, means for conveying stalks from said header frame to a point of disposal, and means for operating said conveyors and cutting discs from the wheels of said machine.

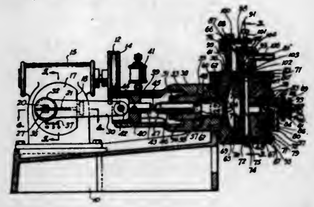
2,346,964

POSITIVE DISPLACEMENT PUMP

Lyndus E. Harper, Kansas City, Mo., assignor to Omega Machine Company, Kansas City, Mo., a corporation of Missouri

Application August 26, 1940, Serial No. 354,164

3 Claims. (Cl. 103—44)



1. A device of the character described comprising a body portion having a chamber therein, a cylinder in open communication with said chamber, a reciprocable member in said cylinder, said body portion having a concave recess in one end thereof, an annular seat surrounding said recess, the concave wall of said recess having passages therethrough extending from said chamber, a detachable head member having a similar concave recess in the end thereof facing the recessed end of said body portion, an annular seat on said head surrounding said recess, a flexible diaphragm mounted between said head and body portion, means for clamping said head to said body portion to clamp said diaphragm between said seats, comprising a clamping member having a wide annular flat face flatly engaging said head on the end thereof opposite said recess and having a central opening, an inlet valve mounted on the end of said head opposite said concave recess in alignment with the opening in said clamping member, and an outlet valve mounted on the upper side of said head, said head having intersecting passages therein leading to said valves from the concavely curved wall of said recess in said head.

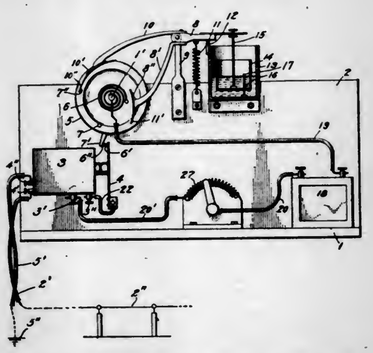
2,346,965

ELECTRIC FENCE CONTROL UNIT

Thaddeus S. Harris, Waverly, Ill.

Application April 10, 1939, Serial No. 266,990

4 Claims. (Cl. 256—10)



1. In an electric fence shock producing system, a shock producing unit, said unit comprising an electro-magnet core, a primary winding of comparatively coarse wire on said core, also a secondary winding of finer wire on said core,

suitable terminals for said windings, an inertia means pivoted to oscillate near said core, an armature lever flexibly mounted near one end of said core, the free end of said lever being disposed to mechanically and electrically engage said inertia means, to mechanically energize said inertia means when said armature lever is drawn toward said core, a spring disposed to move said inertia means in a direction opposite to said armature lever movement, and to cause said inertia means to normally contact said armature lever, a manually controllable electrical variable resistance, a source of electric current, said source of current being so connected that current normally flows through said variable resistance and through said primary winding, thence through said armature lever to said inertia means, and thence back to said source of current, a post fixed to said inertia means, a control lever having a cam assembly fixed thereto, and pivoted to move near said inertia means, to periodically interrupt the movements of said inertia means, said assembly comprising an arm fixed to said lever, a cam block fixed to said arm, and a spring tip fixed to said block in such a manner that when said post has moved to the desired position it engages one side of said spring to first deflect it in one direction, then as said post moves beyond and reverses its movement, it reengages said spring and cam block, on the opposite side, to retard the movement of said post and inertia means and to simultaneously cause said lever to be moved sufficiently to eventually release said post, a second arm fixed on said lever near the opposite portion of said inertia means, said second arm bearing a cam block and a spring tip which are suitably formed and disposed to engage said post after it has moved from said first arm, to further retard the movement of said post and to provide that the movement of said lever may become reversed until said post is released, allowing said inertia means to return to its normal position, a mechanical yieldable resistance connected in operable relation with said lever to retard its movements, an insulated fence wire, one of said secondary terminals being in electrical connection therewith, a ground rod member and an electrical conductor from said ground member to the remaining secondary terminal.

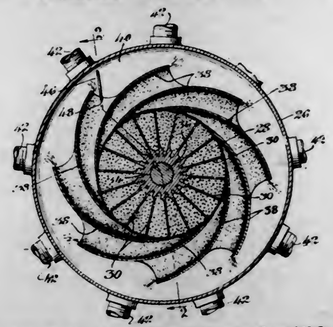
2,346,966

HEATING APPARATUS

Seymour E. Heymann, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application August 20, 1942, Serial No. 455,518

5 Claims. (Cl. 183—77)



3. A means for supplying a combustible mixture to an internal combustion device from an engine supercharger having the following char-

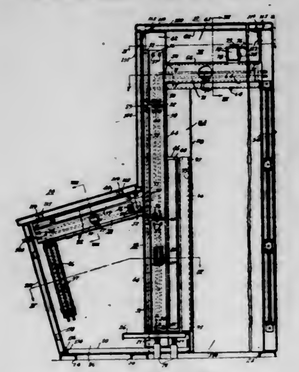
acteristics: an impeller member connected on its inlet side to a carbureting device so that the impeller member draws combustible mixture from the carbureting device and forces this mixture outwardly through a diffuser member having generally spirally extending vanes forming channels therebetween through which the combustible mixture passes to the interior of a blower casing; comprising a fitting to withdraw combustible mixture from the supercharger, said fitting extending through an opening in the supercharger wall in fluid-tight engagement therewith, said fitting having a tip provided with an inlet opening spaced inwardly from the supercharger wall, said opening being positioned within the confines of one of the passages formed between a pair of diffuser vanes and spaced inwardly from the surface of the outer of the two vanes a distance appreciably greater than the maximum liquid film thickness ever present upon the last said surface.

2,346,967

CONTROL APPARATUS

Frank Hudson, Irwin, and Victor G. Clay, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 27, 1940, Serial No. 348,068
11 Claims. (Cl. 312—141)



2. A control structure comprising, a plurality of relatively flat sheet metal side members having support members integrated therewith having body portions with edge portions angularly related thereto and removable cover members cooperative with the support members to provide substantially continuous ducts for control wiring connected to provide a frame structure, and a plurality of panel members supported by the said sheet metal members and support members.

2,346,968

TYPOGRAPHIC PRINTING INK

Francis J. Jeuck, Chicago, and Charles A. Rietz, Park Ridge, Ill., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application September 15, 1942, Serial No. 458,456
2 Claims. (Cl. 106—30)

1. A typographic printing ink characterized by its ability to be set by the addition of water to the film and by its improved printing characteristics, which comprises pigment dispersed in a vehicle, the essential binder of which is a resin comprising the reaction product of a rosin, an alpha beta unsaturated polybasic acid, and from 5–25%, based on total resin weight, of oil fatty acids, the resin being dissolved in a solvent of the group consisting of water-soluble polyglycols and water-soluble polyglycol derivatives.

2,346,969

PRINTING INK

Francis J. Jeuck, Chicago, and Charles A. Rietz, Park Ridge, Ill., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application September 15, 1942, Serial No. 458,457
2 Claims. (Cl. 106—30)

1. A typographic printing ink characterized by press-stability under humid conditions, combined with the ability to be set by the addition of water to the film of the ink, comprising essentially a solution of a resin in the solvent, the resin being obtained from the reaction product of a petroleum hydrocarbon insoluble resin derived from pine wood with an alpha beta unsaturated polybasic acid, and the solvent being one of the group consisting of water-soluble polyglycols and water-soluble polyglycol derivatives.

2,346,970

BITUMEN AND INK MADE THEREFROM

Wilbur L. Jones, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application May 24, 1941, Serial No. 395,058
6 Claims. (Cl. 106—31)

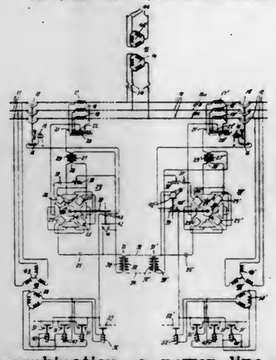
1. A bitumen particularly useful as a substitute for gilsonite in intaglio printing inks, consisting essentially of a major portion of a mixture of about 4 parts by weight of "Aruba" bitumen and 1 part by weight of fatty acid pitch, and a minor portion, comprising at least 5% by weight of the composition, of a natural asphalt of the gilsonite-grahamite group, the "Aruba" not exceeding 75% by weight of the composition.

2,346,971

ELECTRIC PROTECTIVE ARRANGEMENT

Luke F. Kennedy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 16, 1942, Serial No. 443,216
12 Claims. (Cl. 175—294)



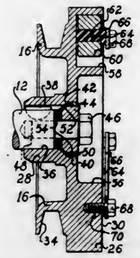
1. In combination, a power line section for transmitting relatively high quantities of electric energy, a low-capacity circuit including an electric translating apparatus connected to said line section, fault-responsive protective means for said line section for causing isolation of said line section upon the occurrence of a fault thereon in dependence upon the vector difference between the currents entering and leaving the ends of said line section, and means for rendering said fault-responsive protective means ineffective to cause isolation of said line section unless the potential of said line section falls to a predetermined value whereby isolation of said line section will not occur when a fault exists on said low-capacity circuit.

2,346,972

VIBRATION DAMPENER

Floyd F. Kishline, Kenosha, Wis., assignor to Nash Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland

Application June 12, 1941, Serial No. 397,671
4 Claims. (Cl. 74—574)



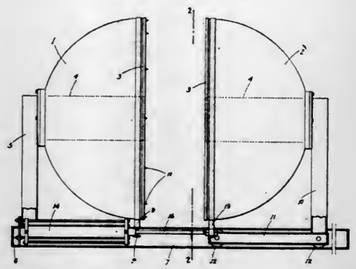
1. A vibration dampener comprising a wheel having a portion defining a series of cylindrical pockets equally spaced along a circle about the axis of said wheel, cylindrical inertia weights positioned in said pockets and defining apertures along their longitudinal axis, the diameter of said inertia weights being smaller than the diameter of said pockets, deformable members positioned in said apertures and extending beyond the faces of said weights, and retaining means bridging said pockets and contacting said deformable members to compress the same between said retaining means and the bottoms of said pockets.

2,346,973

KETTLE MOUNTING AND CONTROL MEANS

William H. Kuster, San Francisco, and Edwin A. Glynn, Lodi, Calif.

Application August 7, 1942, Serial No. 454,058
1 Claim. (Cl. 18—6)



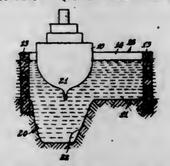
A vulcanizing kettle structure comprising a horizontal base which includes spaced side channels, a pair of hollow substantially semispherical kettle sections above and close to the base, and disposed with their open ends in vertically facing relation, a carriage supported by and movable along the channels, rigid connections between the carriage and one section at both ends of the latter, a power cylinder fixed with the base under the other kettle section, a piston rod projecting from the cylinder and connected to the carriage, standards secured on said other section at its outer end centrally thereof and diverging to the base in straddling relation to the cylinder, a cross beam on the base in front of the cylinder and under the inner end of the other section and transversely spaced posts upstanding from the cross beam and supporting said other section adjacent its inner end.

2,346,974

METHOD OF RAISING SUNKEN BOATS

Edward J. Kyne, Brooklyn, N. Y.

Application March 6, 1943, Serial No. 478,172
1 Claim. (Cl. 114—50)



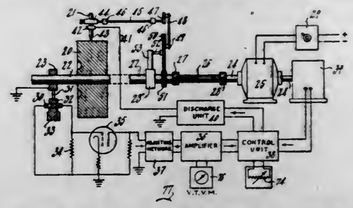
The method of raising a submerged boat lying on its side at the bottom of a body of water comprising building a concrete casing around the boat with the side walls of the casing extending longitudinally of the boat and the lower ends of the walls of the casing embedded in the bottom of said body of water, then pumping the water out of the casing, then excavating within the casing longitudinally thereof and below the boat bottom while making one side of the excavation inclined downwardly toward the side wall of the casing which is adjacent the excavation, then moving the boat to bring its bottom into the excavation, then pumping water into the excavation and casing and floating the boat, and finally removing the casing.

2,346,975

DYNAMIC BALANCING

Jean L. Laboulais, Greenwich, Conn., assignor to Gyro-Balance Corporation, Greenwich, Conn., a corporation of Delaware

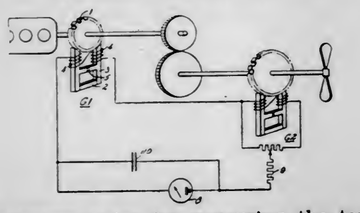
Application November 26, 1941, Serial No. 420,476
20 Claims. (Cl. 219—15)



17. In an arrangement for dynamically balancing a rotating body having an angular unbalancing region: supporting means including a solid member for supporting the body so as to substantially prevent vibratory motion thereof while it is rotated; vibratory translating means including a mechano-electrical transducing element actuated by periodic vibratory unbalance forces exerted by said body on said member for producing a corresponding periodic unbalance potential; removing means including a body removing element held in a predetermined posi-

tion opposite a peripheral portion of said body and operable to controllably remove material from an adjacent portion of said body; and energizing means having a control circuit interconnected between said translating means and said removing means and actuable to periodically operate said removing means in response to the actuation of said translating means by an unbalance force for causing said removing element to periodically remove material from an angular region of said body correlated in a predetermined manner to said periodic unbalance potential; said control circuit including means settable to maintain the phase relation between the material removing period and the unbalance potential period so that the periodic removal of the material causes a decrease of the unbalancing forces.

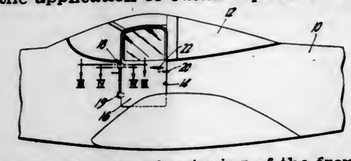
2,346,976
TORQUE MEASURING DEVICE
Bernard F. Langer and William O. Osbon, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1941, Serial No. 408,050
4 Claims. (Cl. 265—25)



1. A torque meter for measuring the torque transmitted through a drive shaft system comprising, in combination, voltage generating means including a magnetic pickup having suitable pole faces and a cooperating toothed rotor member for generating a voltage proportional to the speed of rotation of a portion of said system, a second voltage generating means including a magnetic pickup having suitable pole faces and a cooperating toothed rotor member for generating a voltage proportional to the speed of rotation of another portion of said system, the pole faces of each of said magnetic pickups being one-third the pitch of the teeth of said toothed rotor member for minimizing the occurrence of a third harmonic, means for connecting said voltage generating means in opposition, the generated voltages being equal and opposite when no torque is transmitted and at the same frequency, a meter for measuring the resultant of said generated voltages upon a phase displacement thereof due to torque, and a condenser paralleling said meter adapted to bypass generated voltages increasing with frequency over a predetermined frequency range whereby a resultant of said generated voltages is obtained throughout said frequency range which varies substantially only with the phase displacement of said generated voltages.

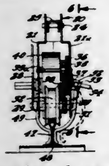
2,346,977
AIRPLANE
Stanley S. La Sha, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application May 9, 1941, Serial No. 392,703
4 Claims. (Cl. 244—129)

1. An escape door for aircraft, having releasable hinge means hingedly mounting the door at its upstream or front edge and latch means at its downstream or rear edge normally operating to secure the door closed, said latch means adapted upon the release of the releasable hinge means and the application of outward pressure to cause



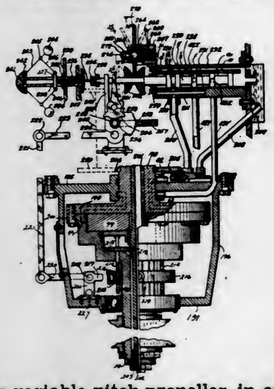
rearward and outward swinging of the front edge thereby disengaging the latch means to jettison the door, and means operable to release the hinge means for detaching the front edge of the door for such outward movement into the air stream.

2,346,978
TOY MONORAIL TRAIN AND HANDCAR
Constantin Paul Lent, Forest Hills, N. Y.
Application June 5, 1939, Serial No. 277,388
6 Claims. (Cl. 105—141)



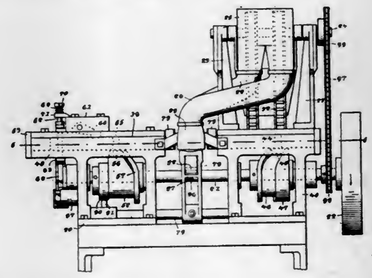
1. A monorail toy hand car or the like vehicle including double flanged wheels adapted to run upon a single rail, and means for supporting said hand car in a straight and upright position upon said single rail, said supporting means including a stationary bracket secured to said car and contacting one vertical side of the frame of the rail, for a substantial distance and a manually operated bracket moveably secured to said car and contacting the other vertical side of the frame of said rail, said manually operated bracket having a handle for operating said bracket and moving away from the frame of said rail when placing or removing said toy upon or from the single rail.

2,346,979
VARIABLE PITCH PROPELLER
Daniel G. Lilley, Denver, Colo.
Application August 13, 1940, Serial No. 352,352
30 Claims. (Cl. 170—163)



1. In a variable pitch propeller, in combination, means comprising a hydraulic motor for changing the pitch of the blades, means comprising a valve for controlling the operation of the motor, means comprising a governor for actuating the control valve in accordance with propeller speed to effect a corresponding change in blade pitch angles, means comprising a member operatively connected with the propeller blades for movement commensurate with the pitch thereof, for automatically actuating the control valve against the action of the governor, when the pitch angles of the blades have been increased to their predetermined limit, so as to stop the operation of the motor, and manually operable means for altering the relative positions of the pitch responsive member and the motor control valve during propeller operation, against the action of the governor, for changing the blade pitch angle limit.

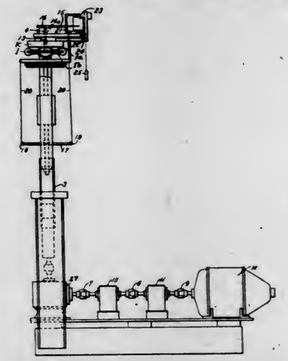
2,346,980
NUTCRACKING MACHINE
Joseph F. Lotspeich, San Antonio, Tex., assignor to Southern Pecan Shelling Company, a partnership composed of J. Seligmann, Grace Seligmann, Joe Freeman, Harold M. Freeman, Emma Freeman, Clarence S. Freeman, Joe Rubin, Martye Rubin, Alex Pomerantz, Sera Pomerantz, Jane Enid Strauss, and J. Seligmann, Jr.
Application September 8, 1941, Serial No. 410,060
2 Claims. (Cl. 146—12)



1. In a nut cracking machine, a frame, a drive shaft journalled longitudinally on the frame, a hopper mounted above the frame, an auxiliary shaft extending horizontally through the hopper, a receptacle for storing a quantity of nuts mounted adjacent the said hopper, means for conveying nuts from the said receptacle into the hopper, a pair of discharge spouts disposed at opposed sides of the frame, a pair of conduits for conducting nuts from the hopper to the said spouts, jaw members operable to releasably engage a pair of nuts mounted on the frame and operable by the drive shaft thereof, and means intermittently operable to carry nuts from the discharge spouts to positions in alignment with the said nut gripping jaws.

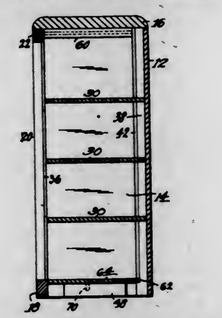
2,346,981
TENSILE MACHINE
Michael J. Manjoine, Pittsburgh, and Arpad Nadai, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1940, Serial No. 368,602
10 Claims. (Cl. 265—2)

7. A tensile machine for stretching a specimen at a rapid rate, including a driving motor, drive means for transmitting a stretching force to said specimen by said motor, a substantially rigid force measuring device of flattened O-shape connected in series with the specimen, a relatively light force indicating lever having a frictionless yieldable pivot made of spring material, a string like element connecting said force measuring device to



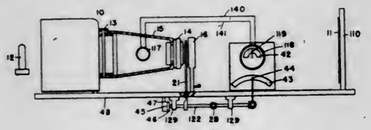
said lever and which is held taut by the inherent yielding effect of said pivot, said string like element merely deflecting as the result of high frequency vibration of said force measuring device without transmission of said vibrations to said force indicating lever.

2,346,982
KNOCKDOWN CABINET OR LOCKER
Frank Mastrangelo, Fitchburg, Mass.
Application May 6, 1942, Serial No. 441,925
6 Claims. (Cl. 312—143)



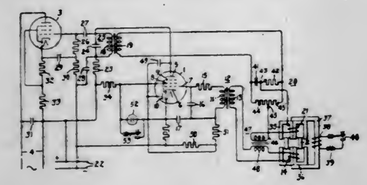
1. A knock-down locker or the like comprising a front frame, vertical undercut grooves adjacent the sides of said frame, a rear panel, vertical undercut grooves adjacent the side edges of said panel, side panels, means on said side panels adapted to be slidingly received in said grooves to detachably connect said front frame, rear panel, and side panels together, horizontal cleats adjacent the tops of the side panels, a top element, means on the top element to slidingly receive said horizontal cleats to detachably secure said top element to said side panels, said last means fitting between said front frame and rear panel, a shelf or the like, and fasteners securing said shelf to said front frame and at least one of said side panels, whereby said locker may be completely disassembled by removing said fasteners, sliding the side panels vertically from the front frame and rear panel, and sliding the top element horizontally from the side panels.

2,346,983
MEANS FOR CONTROL OF LIGHT
Alvin L. Mayer, Cincinnati, Ohio, and Hans R. Kossman, New York, N. Y.; said Kossman assignor to said Mayer
Application November 14, 1940, Serial No. 365,678
4 Claims. (Cl. 88—24)



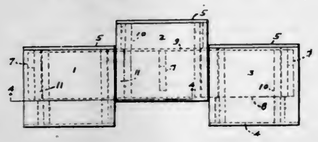
1. In a photographic printer, a film support, a paper support, an illuminator disposed at one side of the film support for projecting a beam of light through a film negative mounted in said film support onto paper mounted in the paper support, an objective lens spaced from the film support, a housing extending between the film support and lens for confining the image bearing beam, a gauge, a light sensitive cell permanently mounted interiorly of said housing with its light sensitive element normally exposed to the reflected light of the image bearing projected beam as it passes through said housing, said gauge being disposed exteriorly of said housing for indicating the potential changes occurring in said cell in accordance to the light variations occurring within said housing, means disposed between the lens and paper support for varying the intensity of the projected beam after leaving said lens, said means comprising an opaque plate movable relative to said lens, said plate including an elongated slot having progressively convergent sides each at an equal distance from the axis of said lens whereby movement of said plate in one direction constricts the lens aperture to progressively greater degrees and movement in the opposite direction progressively reduces the constriction of the lens aperture, and means for coordinating said last mentioned means with the gauge readings to adapt the projected image bearing beam to a predetermined intensity.

2,346,984
RATE CONTROL FOR TUNING FORK OSCILLATORS
Milton S. Mead, Jr., Hempstead, N. Y., assignor to General Electric Company, a corporation of New York
Application August 25, 1942, Serial No. 456,001
7 Claims. (Cl. 250—36)



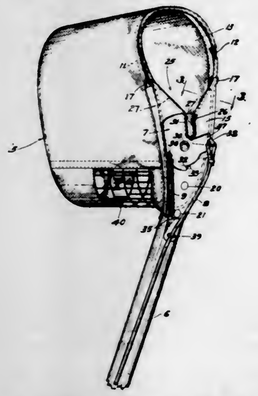
4. In combination, a vibratory element, means associated therewith for generating a voltage having an intensity determined by the amplitude of vibration of said element and a frequency determined by the frequency of said vibration, and means for varying the frequency of said vibration while maintaining the amplitude of said vibration constant, said means comprising an output circuit connected to said voltage generating means, phase-shifting means connected across said output circuit, and means including a driving coil connected to said phase-shifting means for supplying a driving force to said element, the phase angle between said force and said vibration being adjustable.

2,346,985
TABLE
Alfred M. Mercur, Pittsburgh, Pa.
Application November 10, 1942, Serial No. 465,159
1 Claim. (Cl. 311—1)



In a table structure of the character described, the combination of a plurality of supporting legs, a bottom board secured to the tops of said legs, a front wall secured to the fronts of said legs for bracing the latter and for closing the front of the table structure, a plurality of spaced guide members secured to the top of said bottom board, a plurality of separate individual table top members, a pair of guide elements secured to the underside of each of said table top members and shiftably interengaging with respective guide members for allowing the independent forward and rearward adjustment of said table top members, a front board secured to the forward edge of each of said table top members and projecting above the latter, said front board further depending below the table top member to limit the adjustment of the latter in the rearward direction, and a stop bar secured to and depending from the rearward edge of the table top member for limiting the adjustment of the latter in the forward direction.

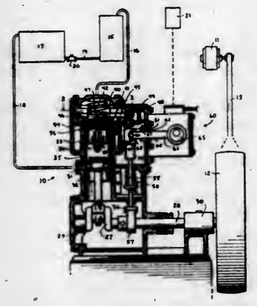
2,346,986
FRUIT CLIPPING DEVICE
Peter Metzger, Anaheim, Calif.
Application April 19, 1943, Serial No. 483,683
5 Claims. (Cl. 56—335)



1. A fruit clipping device comprising a pole forming a handle member thereof, a canvas bag to receive the clipped off fruit, a stiffening

member whereby the mouth portion of said bag is maintained contoured to a pear shape which is arcuate in relation to its long axis, a mouth-piece plate attached to the mouth portion of said bag in an overlying relation to the narrower part of its pear shape, said mouth-piece plate where it overlies the narrower extremity of said pear shaped opening being attached to an end portion of said pole, said mouth-piece plate being concavo-convex so as to conform to the part of the bag's mouth to which it is attached and so as to bulge outwardly from said bag, there being a fruit stem receiving throat formed by a recess leading into the edge of the wider portion of said mouth-piece plate, a concavo-convex cutter plate pivotally secured to the outer face of said mouth-piece plate in a position to sever fruit stems occupying said throat, and a manually operable connection fastened to said cutter plate to perform fruit stem severing operations thereby.

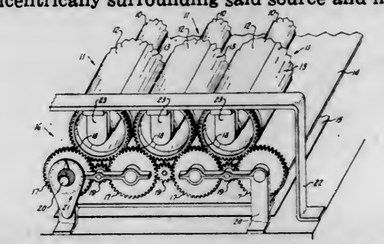
2,346,987
VARIABLE CAPACITY COMPRESSOR
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 9, 1940, Serial No. 365,097
10 Claims. (Cl. 230—21)



1. In a compressor including a reciprocating piston operating within a piston chamber to deliver a compressed fluid, the combination of, an outlet valve for emitting compressed fluid from the compressor chamber, driving means for reciprocating the piston, a driven cam operated by said driving means, a reciprocable cam follower biased into engagement with said cam, a first cam surface carried by said cam follower, a second cam surface in cooperative relationship to said first cam surface, a rockable link for operating said outlet valve, a connecting link between said rockable link and said second cam surface, said cam follower, said connecting link, and said rockable link being cooperatively arranged with said cam surfaces so that said driven cam may operate said outlet valve, and means for varying the relative position of said cam surfaces to thereby vary the action of said outlet valve.

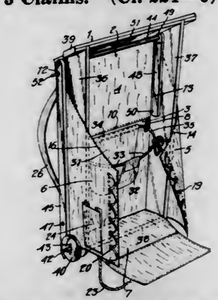
2,346,988
PHOTOGRAPHIC PRINTING APPARATUS
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application March 18, 1941, Serial No. 383,975
9 Claims. (Cl. 95—73)

4. In an apparatus for controlling the color composition of photographic printing light, a photographic plate, a tubular source of radiation capable of exciting fluorescent materials, a rotatable, cylindrical member having longitudinally disposed sections coated with fluorescent materials capable of fluorescing with different colors concentrically surrounding said source and inter-



posed between said source and said plate, diffusing means between said member and said plate, and means for rotating said member whereby the relative amounts of said colors in the illumination at said diffusing surface may be varied from light of either color alone to any desired combination of the two colors.

2,346,989
INFANT CARRIER
Bertha M. O'Brien, New York, N. Y.
Application January 1, 1943, Serial No. 471,085
3 Claims. (Cl. 224—6)

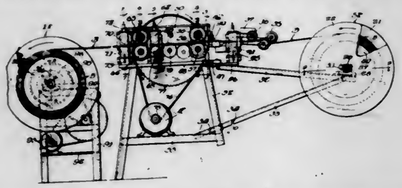


1. The combination of a frame having two side walls, a cross bar connecting the lower ends of the side walls, a second cross bar connecting the upper ends of the side walls, a removable wrap having a back portion, two side flaps and an end flap, fastening means secured to the inner face of the back portion for effectively securing an infant to the back portion, means for connecting the upper ends of the back portion to the upper ends of said side walls, the end flap being folded over the feet and lower body of the infant but inside of, and adjacent to, said lower cross bar to relieve said connecting means and enable the weight of the infant to be mainly supported by said lower crossbar and the side flaps being foldable around the side walls and over the end flap with their lateral edges disposed adjacent to one another in folded position, and means for securing the side flaps in place when folded over said end flap.

2,346,990
METHOD AND MEANS FOR FORMING WINDOW BLIND SLAT STOCK
Philip R. Oftedal and Olaf Christensen, Chicago, Ill., assignors to G. Leslie Dunn, Chicago, Ill.
Application April 20, 1942, Serial No. 439,714
7 Claims. (Cl. 153—54)

1. The method of producing a roll of finished window blind stock or the like consisting of form-

ing a flat metal band into a substantially deeply arched band in a direction transversely to the length thereof, reforming said arched band to lessen the degree of arch therein, then again forming said band into a deeper arch and again



reforming the same to lessen the degree of arch to a finished product substantially as used in window blinds, and flat winding said band upon a reel for future availability whereupon said band will again assume the degree of arch last impressed thereon as said band is unwound from the reel.

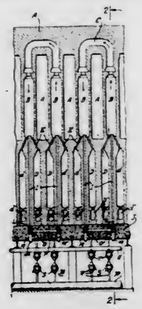
2,346,991

COKE OVEN

Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware

Application March 20, 1942, Serial No. 435,481

7 Claims. (Cl. 202—151)



1. In an underfired regenerative coke oven structure comprising horizontal coking chambers alternating with heating walls formed with vertical heating flues, the combination with rich fuel gas supply channels extending upwardly from the underside of the structure and each connected at its upper end to a different vertical heating flue, of means for diluting the rich gas passed upwardly through each of said channels comprising a separate recirculatory connection between the lower end of each such channel and the lower end of an adjacent channel, the two channels of each pair thus connected at their lower ends being connected at their upper ends to heating flues, in one of which the gas flow is up or down during periods in which the gas flow in the other is respectively down or up, and two injectors in each recirculatory connection respectively associated with the two channels connected by said recirculatory connection and each being laterally displaced from the channel with which it is associated and being adapted when supplied with rich fuel gas to discharge the latter into the associated channel along with products of combustion drawn from the other channel of the pair, and means for supplying rich fuel gas alternately to the two injectors in each recirculation connection.

2,346,992

PERMANENTLY REFUSIBLE ZINC RESINATE AND METHOD OF PREPARING SAME

Robert C. Palmer and Edwin Edelstein, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

No Drawing. Application October 7, 1942, Serial No. 461,233

21 Claims. (Cl. 260—105)

1. The method of preparing a zinc resinate in the form of a high melting point, permanently refusible, resin-like product which comprises dissolving in a solvent a rosin containing at least about 7½% rosin polymer, incorporating into the resulting solution a catalyst selected from the group consisting of organic acids soluble in rosin at the hereinafter specified reacting temperature whose acidity is due to a carboxylic acid radical, organic acids soluble in rosin at the hereinafter specified reacting temperature whose acidity is of a phenolic nature, and salts of said acids capable of reacting with abietic acid to liberate said acids, adding to the solution a zinc compound selected from the group consisting of the oxide and hydroxide in an amount equivalent at least to 5% zinc oxide by weight of said rosin, heating the resulting mass to a temperature and for a time sufficient to complete the reaction between said rosin and the zinc oxide, and finally distilling off said solvent to recover the resin-like product remaining.

2,346,993

PERMANENTLY REFUSIBLE ZINC-CALCIUM RESINATE AND METHOD OF PREPARING SAME

Robert C. Palmer and Edwin Edelstein, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

No Drawing. Application October 7, 1942, Serial No. 461,234

11 Claims. (Cl. 260—105)

1. The method of preparing a zinc-calcium resinate in the form of a high melting point, permanently refusible, clear product capable of forming a stable, non-gelling solution, which comprises reacting, by fusion, a rosin containing a substantial amount of polymer with a zinc compound selected from the group consisting of the oxide, hydroxide and carbonate in an amount equivalent to at least 5% by weight of the rosin of zinc oxide, and with at least 1% by weight of the rosin of hydrated lime, said reaction being carried out in the presence of a catalyst selected from the group consisting of organic acids soluble in rosin at the reacting temperature whose acidity is due to a carboxylic acid radical, organic acids soluble in rosin at the reacting temperature whose acidity is of a phenolic nature, and salts of said acids capable of reacting with abietic acid to liberate said acids.

2,346,994

RESINLIKE PRODUCT AND METHOD OF PREPARING SAME

Robert C. Palmer and Edwin Edelstein, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

No Drawing. Application October 7, 1942, Serial No. 461,235

7 Claims. (Cl. 260—105)

1. A method of preparing a zinc resinate in the form of a high melting point, permanently refusible product capable of forming a stable, non-gelling solution comprising reacting by fusion a rosin containing at least about 7.5% rosin polymer with a zinc compound selected from the group consisting of the oxide, hydroxide and carbonate, said reaction being carried out in the presence of a catalyst selected from the group consisting of the organic acids soluble in rosin at the reacting temperature whose acidity is due to a carboxylic acid radical, organic acids soluble in rosin at the reacting temperature whose acidity is of a phenolic nature, and salts of said acids capable of reacting with abietic acid to liberate said acids.

2,346,995

ZINC-CALCIUM RESINATE AND PROCESS OF MAKING THE SAME

Robert C. Palmer, Anthony F. Oliver, and Edwin Edelstein, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

No Drawing. Application October 31, 1942, Serial No. 464,110

20 Claims. (Cl. 260—105)

1. The method of preparing a stable, non-gelling solution of a zinc-calcium resinate capable of being isolated in the form of a high melting point, permanently refusible, resin-like product having a conchoidal fracture, which comprises dissolving a rosin in a solvent, incorporating into the resulting solution a catalyst selected from the group consisting of organic acids soluble in rosin at the hereinafter specified reacting temperature whose acidity is due to a carboxylic acid radical, organic acids soluble in rosin at the hereinafter specified reacting temperature whose acidity is of a phenolic nature, and salts of said acids capable of reacting with abietic acid to liberate said acids, adding thereto a zinc compound selected from the group consisting of zinc oxide and zinc hydroxide in an amount equivalent to more than 5 but not over 15% of zinc oxide by weight of said rosin, heating the resulting mass to a temperature and for a time sufficient to complete the reaction between the rosin and said zinc compound, adding between about 1 and 5.5% of hydrated lime by weight of said rosin to the reaction mass, and continuing heating until the reaction therebetween is complete.

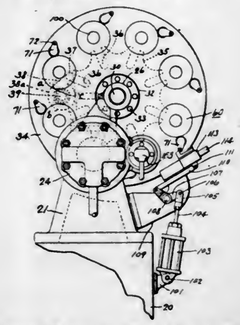
2,346,996

COMMUTATOR RIVETING MACHINE

Lora E. Poole, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 24, 1941, Serial No. 384,895

7 Claims. (Cl. 218—1)



1. A machine for riveting the central tubular sleeve or rivet of a commutator assembly including an annulus of metal and insulating segments having dove-tail tangs and including V-rings and a central rivet, said machine comprising a conveyor for supporting a plurality of workholders each adapted to receive a commutator assembly and having means for exerting pressure radially upon the annulus, a manually controlled mechanism interconnected with said means when the workholder is at the loading station and operable to cause said means to become effective, apparatus at the riveting station for riveting the ends of the central rivet against the V-rings, a stationary cam engaged by said means after passing the riveting station for rendering said means non-effective, and a device for ejecting the riveted commutator when located at the delivery station.

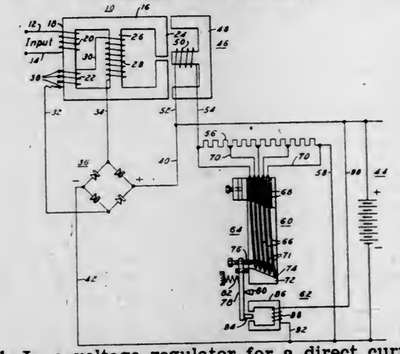
2,346,997

VOLTAGE REGULATOR

John E. Priest, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 31, 1940, Serial No. 338,138

2 Claims. (Cl. 175—363)



1. In a voltage regulator for a direct current load, in combination, a source of alternating current power, a transformer electrically connected to the source of power, a rectifier electrically connected across the transformer, a direct current load electrically connected to the rectifier, a direct current inductive device disposed in inductive relation to the transformer to control the voltage applied to the rectifier, said inductive device being electrically connected to the direct current load, a variable resistor connected in circuit relation with the direct current load and the direct current inductive device for controlling the voltage applied to the inductive device, a plurality of contact members connected to separate points along the resistor, stop means for spacing the contact members when engaged thereby, the stop means being arranged to permit unlimited movement of the contact members away from the stop means, means for biasing the contact members to the positions limited by the stop means, and means responsive to the voltage applied to the direct current load to move the contact members from engagement with the stop to successively short circuit portions of the resistor to control the voltage applied to the inductive device thereby to control the voltage applied to the rectifier.

2,346,998

PORTABLE BODY WARMER

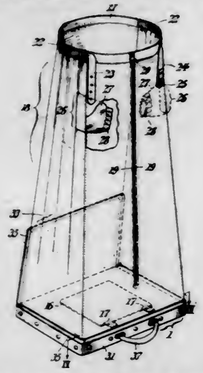
Reuben Robert Reveno, Philadelphia, Pa.

Application February 23, 1942, Serial No. 431,998

6 Claims. (Cl. 126—204)

1. A body warmer comprising a flat rigid base with a well containing a removable heating ele-

ment or unit; a reticulate lid for the well serving in part as a support for the wearer's feet when the warmer is in use; an envelope of flexible air-tight material attached at the bottom to the base and adapted to be securable about the body



of the wearer, said envelope being foldable into the confines of the base area; a cover corresponding in size to the base area for confining the envelope; means for securing the cover in closed position; and a handle for carrying the warmer when collapsed.

2,346,999

MANUFACTURE OF COMPOSITE WALLBOARD

John Briscoe Sandford, Saltburn, and Victor Lefebure, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 15, 1941, Serial No. 415,148. In Great Britain June 30, 1937

32 Claims. (Cl. 154—2)

1. A method of manufacturing composite plasterboard which comprises applying to a liner a coating comprising an aqueous mixture of a water-setting cementitious material with a water-diffusible adhesive, and applying said coated liner to an unset plastic core mix containing a water-setting cementitious material, said core mix being incapable, in the absence of the said coating, of bonding to the liner.

10. A plasterboard comprising a set core of a water-setting cementitious material of the kind incapable by itself of bonding to a plasterboard liner, and a liner bonded to said core by means of a coating comprising a water-setting cementitious material and a water-diffusible adhesive.

2,347,000

PROCESS OF PREPARING MONOCHLORO-MONOBROMOMETHANE AND DIBROMO-METHANE

Otto Scherer and Franz Dostal, Frankfort-on-the Main, and Karl Dachlauer, Hofheim in Taunus, Germany; vested in the Alien Property Custodian

No Drawing. Application May 23, 1941, Serial No. 394,870. In Germany March 19, 1940

13 Claims. (Cl. 260—658)

1. A process of preparing monochloromonobromomethane and dibromomethane by exchange of chlorine for bromine by causing bromine to act on chlorinated methane, containing 2 hydrogen atoms, in the presence of aluminium.

2,347,001

DYEING CELLULOSE ESTERS

Robert Schnegg, Dormagen, Germany; vested in the Alien Property Custodian

No Drawing. Original application May 24, 1939, Serial No. 275,399. Divided and this application September 27, 1940, Serial No. 358,667. In Germany May 28, 1938

5 Claims. (Cl. 8—59)

1. A process for improving articles of cellulose acetate having an acetate content of at least 59 per cent, which comprises treating the articles with aqueous acetic acid of at least 40 per cent strength, as a swelling agent, treating the swollen articles with an aqueous solution of a wetting agent comprising the reaction product of an excess of ethylene oxide upon an alcohol selected from the class consisting of oleyl alcohol and castor oil, to fix the swollen condition of the articles, and drying the articles.

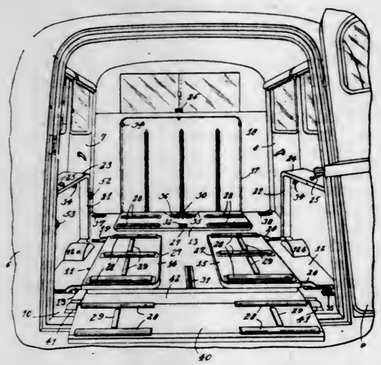
2,347,002

CONVERTIBLE HEARSE

Earl L. Schofield, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware

Application August 11, 1941, Serial No. 406,285

9 Claims. (Cl. 296—16)



1. In a convertible hearse having a floor and side walls, a casket rack pivotally connected to the floor and foldable from a substantially horizontal operative position resting on the floor and held against lateral displacement by its pivots to a substantially vertical inoperative position alongside a side wall of the hearse so as to leave the floor clear for ambulance or other use up to the side wall, said rack being substantially plain on the back that is exposed in the ambulance or other use of the hearse but having casket supporting and conveying means on the face thereof that is exposed in the unconverted use of the hearse, and means for releasably securing the rack in the vertical inoperative position.

2,347,003

APPARATUS FOR APPLYING INSULATING TUBING ON WIRE CABLES, CONDUITS, AND THE LIKE

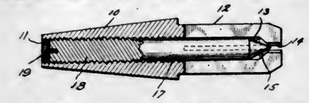
Marshall O. Searle, Beverly Hills, Calif.

Original application May 2, 1942, Serial No. 441,492. Divided and this application March 2, 1943, Serial No. 477,756

2 Claims. (Cl. 29—88.2)

1. A guide tip for feeding a conduit through a tubular covering for the conduit, said guide tip

comprising a tapering body, a longitudinally split stem on one end of the body, and means carried



by the body for expanding the stem into frictional engagement with the internal walls of one end of the conduit.

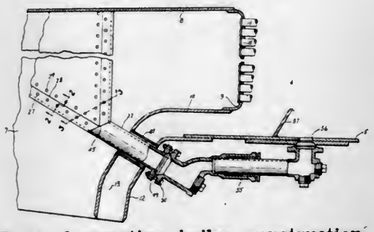
2,347,004

SIPHON

Lewis H. Smith, Cleveland, Ohio, assignor to H. H. Pinney, Shaker Heights, Ohio

Original application May 9, 1940, Serial No. 334,225. Divided and this application December 21, 1940, Serial No. 371,131

4 Claims. (Cl. 122—68)



1. In a locomotive boiler construction, the combination of a barrel-portion for retaining water; a firebox constructed and arranged relative to said barrel for at least partial submergence in a normal level of water in said barrel; a siphon arranged within said firebox comprising a pair of triangular sheets arranged in spaced relation, at least one of said sheets having formation-curves of approximately 180° adjacent the edge portions thereof to extend into conjunction with the edges of the other sheet, said sheets being welded together in this relationship; at least one of said sheets being truncated as to the corner defined by the joined sides, thereby constituting a discharge opening in a flattened, funnel-shaped body; a throat-tube connected to the body at said discharge opening, and extending beyond the firebox to a point of union with the barrel-potrion adjacent its bottom; said siphon being further distinguishable by the fact that the formation-curves by which the sheets straight axes, and by the further fact that the welds for effecting conjunction of the sheets ocare connected are formed about substantially cur at lines remote from the curved portions, per se.

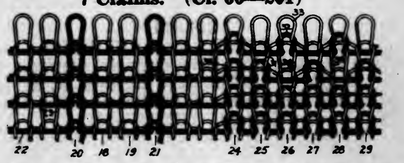
2,347,005

KNITTED FABRIC AND METHOD

William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application February 3, 1939, Serial No. 254,431

7 Claims. (Cl. 66—201)



1. In a knitted fabric, courses knitted from an elastic yarn and other courses knitted from a non-elastic yarn, the elastic yarn courses being varied so as, in combination with the non-elastic yarn courses, to effect the knitting of simulated rib work at certain areas and at other areas, appear as plain work as distinguished from a simulated rib fabric, said areas of simulated rib and non-rib areas being arranged according to some predetermined pattern.

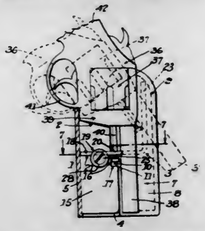
2,347,006

FORWARD DRAW SPRING HOLSTER

Raymond F. Tibbetts, Los Angeles, Calif.

Application February 17, 1943, Serial No. 476,130

4 Claims. (Cl. 224—2)



1. A holster, as disclosed including a case of suitable flexible material formed with a rear wall and side walls extending forwardly from said rear wall, leaving the front of said case open between the forward edges of said side walls, a gun rest secured in said case upon which rests the cylinder frame of the gun for supporting a gun in said case with the trigger guard of the gun extending rearwardly over the upper edge of said rear wall of said case, and means for causing said side walls to grip said gun sufficiently to hold it in said case, but allowing said side walls to yield, so that said gun may be drawn through the open front of said case or the gun may be swung with its trigger guard turning on said upper edge of said rear wall of said case as a pivot, until the gun barrel passes through the open front of said case into shooting position.

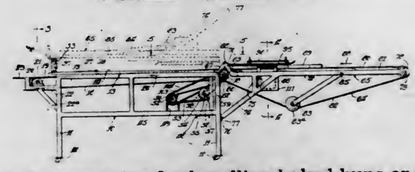
2,347,007

APPARATUS FOR HANDLING BAKED BUNS OR THE LIKE

John Tod, Des Moines, Iowa, assignor to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware

Application December 10, 1941, Serial No. 422,418

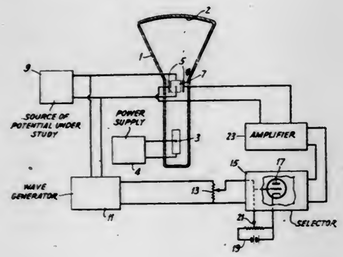
8 Claims. (Cl. 146—73)



1. In apparatus for handling baked buns or the like, the combination with a table having a working surface, of a conveyor carried by the table along one side thereof, a pair of upwardly and outwardly extending arms carried by the table at one end thereof, a second conveyor, a frame for said second conveyor normally projecting from one end of said table, a pair of upwardly and outwardly extending arms carried by said frame at its end adjacent said table and pivoted to the said arms on the table respectively whereby the frame is foldable onto the table to conserve space when not in use, the discharge

end of the said second conveyor when the latter is unfolded to project from the table terminating adjacent the working surface of the table spaced laterally from the first mentioned conveyor, and means carried by the table for driving both conveyors and arranged to be in operative position upon unfolding of said frame.

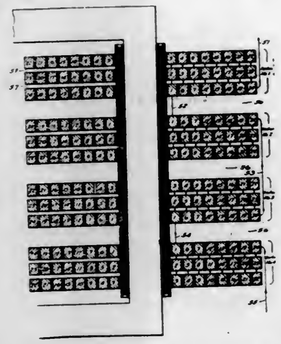
2,347,008
ELECTRICAL CIRCUITS
Arthur W. Vance, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1940, Serial No. 367,937
6 Claims. (Cl. 171—95)



1. The method of producing an expanded visual trace of a predetermined portion of a recurrent electrical wave of predetermined periodicity which comprises the steps of generating a sawtooth wave voltage synchronously with the recurrent electrical wave, each successive cycle of said voltage wave including a linearly generated voltage occupying substantially a complete cycle of said recurrent electric wave, selecting a predetermined small portion of said linearly changing voltage of the generated wave and modifying its slope, translating the selected portion of the generated wave into a visual trace in one direction effectively expanded to substantially the dimension of a full cycle trace of said generated sawtooth wave and simultaneously translating the predetermined portion of the recurrent wave into alterations of the direction of the visual trace, said alterations being made in a direction perpendicular with respect to the direction of the visual trace.

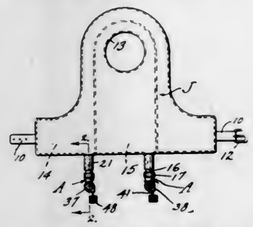
2,347,009
ELECTRICAL APPARATUS
Fred J. Vogel, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1941, Serial No. 398,067
6 Claims. (Cl. 175—356)

1. Electrical apparatus comprising inductively related low voltage and high voltage windings disposed about the winding leg of a core structure, the high voltage winding comprising a continuous winding conductor arranged in a plurality of coil sections arranged in a stack, each section including a plurality of disk type coil layer structures spaced apart, the end of the winding starting at the coil layer in the first section that is remote from the end of the stack and continuing in successive turns through corresponding positions with respect to the distance from the axis in the several coils of the section, the conductor continuing through several winding sections in a series of turns including in



sequence in each section, one turn in each coil of the section having similar positions with respect to the axis.

2,347,010
LIFE JACKET INFLATOR
Lawrence T. Ward, Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 19, 1942, Serial No. 427,336
10 Claims. (Cl. 9—19)

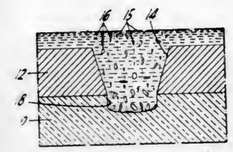


1. In a life jacket inflator, a tubular member adapted to receive a compressed gas bulb, means for connecting one end of said tubular member in communication with an inflatable jacket, a body screw-threadedly connected with the other end of said tubular member, a rotary shaft journaled in said body at right angles to the axis of said tubular member, an eccentric on said shaft, a piercing pin slidable in said body along the axis of the tubular member, a diaphragm sealing said pin relative to said body, a pulley on said shaft, a flexible element having one end connected with said pulley, and a knob on the other end of said flexible element to permit manual tensioning of the flexible element for the purpose of rotating said pulley and shaft and thereby said eccentric to cause said piercing pin to pierce a bulb held in said tubular member.

2,347,011
TREATMENT OF GLASSWARE
Victor Walker, Fort Erie, Ontario, Canada, assignor to AlnCin, Inc., Buffalo, N. Y.
Application September 4, 1942, Serial No. 457,321
4 Claims. (Cl. 41—42)

2. The method of recessing glass stock comprising applying thereto a recessing solution comprising an aqueous solution of a mixture of sulphuric acid and hydrofluoric acid wherein the ratio of

sulphuric acid to hydrofluoric acid is sufficient to cause effervescence as a result of the action between the sulphuric acid ingredient and the fluoride products of the action of the hydrofluoric acid ingredient on the glass stock and



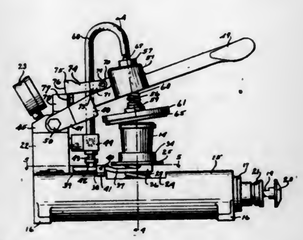
sufficient to insure continuous mechanical removal of the salt by-products of the chemical reactions upon the glass stock so as to avoid masking of the latter by salt deposits from uninterrupted action of the hydrofluoric acid.

2,347,012
GERMICIDE
Arthur L. Waugh, Chicago, Ill.
No Drawing. Application November 2, 1940, Serial No. 364,097
4 Claims. (Cl. 167—26)

1. A germicidal liquid containing substantially one part formalin to two parts solvents including methanol and acetone, there being from one-half as much to twice as much acetone as methanol in said liquid, and containing approximately 16% formaldehyde, not more than 24% water, and from .25% to 2% hexamethylenamine.

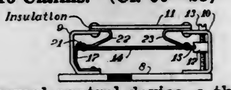
2. A germicidal liquid containing substantially one part formalin to two parts solvents including methanol and acetone, there being from one-half as much to twice as much acetone as methanol in said liquid, and not over 24% water from .25% to 2% of thymol and from .25% to 2% of hexamethylenamine.

2,347,013
CASTING MACHINE
August L. Weyhing, Louisville, Ky., assignor to Edmund A. Steinbock, Louisville, Ky.
Application August 2, 1940, Serial No. 349,666
10 Claims. (Cl. 22—69.1)



1. In a casting machine the combination of a base member, a mold supporting plate having a central recess therein and an aperture centrally of the recess, a bolt carried by the base extending through the support aperture and having a head disposed in the recess, and a spring around said bolt abutting on opposite ends with the supporting plate and base for causing the support to be elevated above the base and whereby pressure on the support will cause said support to be yieldably lowered toward the base.

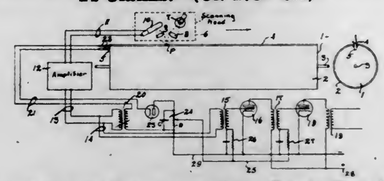
2,347,014
THERMAL SWITCHING DEVICE
Hans H. Willmann, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1938, Serial No. 226,640
In Germany September 24, 1937
16 Claims. (Cl. 60—23)



1. In a thermal control device, a thermally responsive control element, an electrical heating resistance disposed adjacent said element for heating said element, and a metallic member of good heat conducting material interposed between the heating resistance and the control element for conducting heat from said resistance to said element, said conducting member having a surface which conducts heat from said resistance to said element and which also electrically insulates said element from said heating resistance, said surface on opposite sides of said metallic member being disposed in contact with said heating resistance and said thermally responsive control element.

15. In a trip device, a strip of bimetallic material, a pair of spaced bearing means engaging the ends of said strip for supporting said strip, one of said bearing means being adjustable in a direction perpendicular to the longitudinal axis of the strip for varying the trip characteristic of the device, and the other of said bearing means having a resilient construction for producing a resilient force on the end of said strip in the direction of the longitudinal axis of said strip toward said adjustable bearing means.

2,347,015
MEANS OF COMPENSATING FOR DRIFT OF PHOTOELECTRIC DEVICES AND ASSOCIATED CIRCUITS
Konstantin Woloschak, Port Chester, N. Y., assignor to Press Association, Inc., New York, N. Y., a corporation of New York
Application September 17, 1942, Serial No. 458,642
14 Claims. (Cl. 178—6.7)

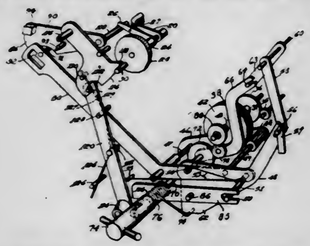


1. The combination with a facsimile picture transmitter having a scanning head including a photoelectric device, and an amplifier fed by said device, of means operated periodically by said transmitter for applying a bias voltage to said amplifier to correct for the signal drift of said photoelectric device.

2,347,016
DEMAND REGISTER
Paul G. Adams, Newark, and Max Walter Axman, Stirling, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 20, 1941, Serial No. 394,250
4 Claims. (Cl. 171—34)

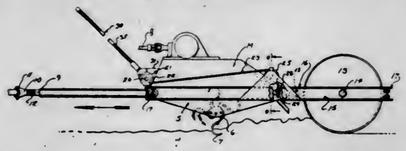
1. In an electrical meter including a member displaceable from a predetermined position in

accordance with the maximum demand thereon and a cumulative demand registering device, means for selectively coupling said registering device with said member, means for resetting said member to said predetermined position while coupled with said device, means disposed in the path of said member adjacent its said predeter-



mined position during the resetting operation to prevent its rebounding from said predetermined position upon being reset thereto, means for automatically upcoupling said member and said registering device at the completion of the resetting operation, and means for maintaining said rebound preventing means out of the path of said member between resetting operations.

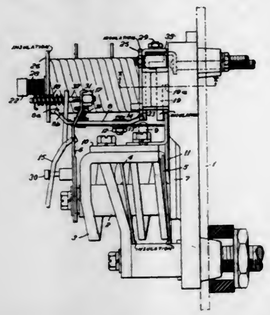
2,347,017
ROTARY SOIL TILLER
Mando S. Ariens, Brillion, Wis.
Application October 6, 1941, Serial No. 413,814
5 Claims. (Cl. 97—3)



1. A machine for working, leveling, and packing soil comprising, a body, a rotary tiller supported by said body, a transversely extending roller for supporting said body arranged in rear of the body and rotary tiller carried thereby, a non-wheel supported frame for receiving said roller including side beams, means rockably connecting the forward ends of the beams to the front end of the body, means connecting the ends of the roller to said side beams, and means for suspending the rear end of the body from the side beams.

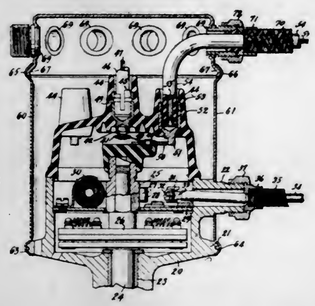
2,347,018
OVERLOAD RELAY
George C. Armstrong, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 26, 1940, Serial No. 347,636
11 Claims. (Cl. 175—372)

1. A magnetically and thermally responsive overload device comprising an electromagnet having a core, a coil mounted thereon, and an armature, said core including an element having the characteristic of losing, appreciably, its inherent magnetic properties upon predetermined heating, which element is electrically connected to said coil, said core having two parallel magnetic paths, the first of which includes said element, biasing means for normally maintaining said armature in contact relationship with said element, thereby completing said first magnetic path, separate means operable under the magnetic influence of said core upon heavy magnetization thereof due to overload current flowing through said coil for moving said aforemen-



tioned armature in opposition to said biasing means and into a position so that it can be moved independently of movement of said separate means by the magnetic attraction afforded by the flux flowing through the second parallel magnetic path.

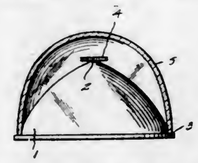
2,347,019
IGNITION APPARATUS
James L. Arthur, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 16, 1942, Serial No. 451,167
1 Claim. (Cl. 200—19)



A shielded ingition timer-distributor unit for internal combustion engines comprising the combination of a cup-shaped metal timer housing providing a shaft bearing axially of the cup and a laterally extending annular flange coaxial with the shaft bearing and a side opening provided by a tubular member extending from the side of the cup, a timer circuit-breaker located within the housing and having a terminal, a non-conducting distributor cap supported by and closing the housing and provided with terminals for connection, respectively, with an ignition coil and with spark plugs, a shaft journaled in the housing bearing, a cam driven by the shaft for operating the circuit breaker, a distributor rotor driven by the cam and operative to distribute sparking impulses from the coil terminal of the distributor cap to the spark plug terminals thereof, two semicylindrical metal shell-members having arcuate grooved portions at the lower edges for embracing the annular flange of the housing, at least one of them providing for the reception

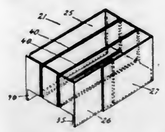
of the tubular member extending from the timer housing, said shell members having, at their upper edges, arcuate grooved portions, a metal cover having a cylindrical side wall, the lower edge of which is provided with a laterally extending annular flange embraced by the arcuate grooved portions located at the upper edges of the shell members tubular members extending laterally from the side wall of the cover and providing side openings in the cover, wires extending through said tubular parts and connected respectively with the distributor cap terminals, a wire extending through the tubular extension of the timer-housing and connected with the timer terminal tubular metal shield enclosing the wires and connected, respectively, with the tubular extensions through which the wires pass, and means for tying the shell members together with the flanges of the cover and housing clamped between them.

2,347,020
PUZZLE
Wylie Ashworth, Helena, Mont.
Application May 28, 1942, Serial No. 444,912
3 Claims. (Cl. 273—109)



2. A puzzle comprising a body, a cover on said body, said body having a surface extending from the junction with said cover upwardly and inwardly to an apex spaced in all directions from the cover, and an element between the body and cover constructed and arranged for balancing engagement with said apex through slight vibration of the body.

2,347,021
CONTAINER
Zemach Auerbach, New York, N. Y.
Application January 29, 1938, Serial No. 187,671
6 Claims. (Cl. 206—56)



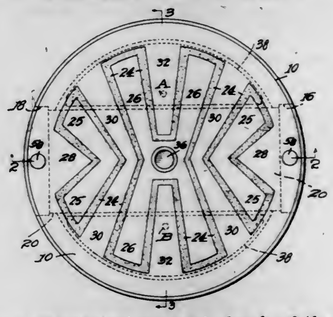
2. In a new article of manufacture, a container comprising an inner structure unit, two opposite sides of which are shorter in height than the two other sides, notches in the edges of said narrower sides, elastic bands in said notches running parallel to said wider sides of said inner structure unit and embracing said inner structure unit a movable platform upon said elastic bands and within said inner structure unit, said unit conforming to the interior shape of said unit whereby articles are held under tension of said elastic bands, an outer cover to hold said inner structure unit and articles placed within said inner structure unit, said outer cover containing a window, an opening in a side of said outer cover adjacent said window for consecutively removing articles appearing within said window.

2,347,022
METHOD OF APPLYING PIGMENTS TO SURFACES
Osias Austin, Brooklyn, N. Y.
Application December 27, 1941, Serial No. 424,575
4 Claims. (Cl. 101—129)



1. The method of applying a heavier than normal deposit of pigment to the surface of an object by means of a screen stencil, said method comprising forcing viscous pigment in paste form through the screen stencil from the rear to the transfer surface thereof by drawing a mass of viscous pigment across the screen stencil while said stencil is out of contact with the object and repeating said operation to cause an additional amount of pigment to pass through the stencil prior to contact of the stencil with the object.

2,347,023
PERMANENT MAGNET CHUCK
John T. Beechlyn, Worcester, Mass., assignor to O. S. Walker Co. Inc., Worcester, Mass., a corporation of Massachusetts
Application February 7, 1941, Serial No. 377,865
10 Claims. (Cl. 175—367)

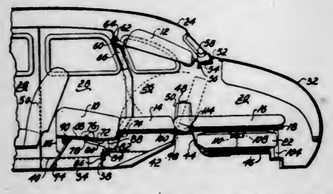


1. In a permanent magnet chuck of the rotary type, the combination of a cylindrical-walled housing having a top plate and a bottom plate; with a magnet adapted to be rotated on its axis, said axis being normal to the chuck axis, and a second magnet fixed in said housing and having an edge substantially parallel to the axis of the first magnet and another edge conforming to the cylindrical wall of the housing, said second magnet being lunar shaped.

2,347,024
IMPREGNATING COMPOSITION FOR TEXTILE MATERIALS
Leo Beer, Philadelphia, Pa.
No Drawing. Application April 24, 1943, Serial No. 484,462
13 Claims. (Cl. 260—29)

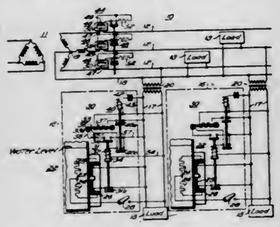
1. An impregnating composition for textile materials, said composition containing in aqueous solution about 0.3–0.6% by weight of octadecyl-oxymethyl-pyridinium chloride and about 1.8–2.2% by weight of a thermosetting condensation product selected from the group consisting of urea-formaldehyde and urea-thiourea-formaldehyde condensation products.

2,347,025
AUTOMOBILE SEAT
Alexander Benzick, Milwaukee, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application December 2, 1940, Serial No. 368,114
3 Claims. (Cl. 155—7)



3. In an automobile having a floor, a transverse brace extending across said floor, a seat cushion supported upon said transverse brace at its forward edge, a link having a first pivotal connection to said transverse brace and a second pivotal connection to said seat at a point intermediate the edges of said seat, a stop lug formed on said link intermediate the ends of said link and projecting to one side thereof in the plane of swinging movement of said link and arranged to support the rear edge of said seat when said seat is moved upwardly and forwardly, a rail carried on the back edge of said seat cushion, and an auxiliary cushion pivotally supported in said automobile and rearwardly from said seat cushion and arranged to rest upon said rail when said seat cushion and auxiliary cushion are rotated forwardly.

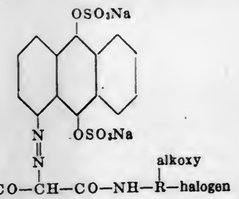
2,347,026
CONTROL SYSTEM
Royal C. Bergvall, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 29, 1942, Serial No. 452,752
18 Claims. (Cl. 171—97)



16. A remote control system for a plurality of load devices disposed to be connected to a power system having transformer means with saturable core means connected between the source and the load and having a path for zero-phase sequence currents comprising, a load responsive device connected to the power system adjacent the source, control means operable under the control of said load responsive device to effect saturation of the core means and produce predetermined harmonic voltage pulses in the zero-phase sequence path of different durations when the load at the source reaches predetermined minimum and maximum values, switch means controlling the connection of each load device to the power system, and relay means selectively responsive to harmonic voltage pulses of different durations effecting operation of the switch means to connect each heater device to the power system when the load at the source reaches a predetermined minimum value and disconnect it therefrom when the load at the source reaches a predetermined maximum value.

2,347,027
LEUCO SULPHURIC ACID ESTERS OF THE ANTHRAQUINONE SERIES
Eduard Besler, Frankfort-on-the-Main, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 4, 1941, Serial No. 386,771. In Germany April 13, 1940
3 Claims. (Cl. 260—193)

1. The leuco sulphuric acid esters of the anthraquinone series corresponding with the following formula:



wherein R represents a member of the group consisting of radicals of the benzene and naphthalene series, being easily soluble in water and yielding by acid oxidation in substance and on the fiber yellow to orange shades of good properties of fastness.

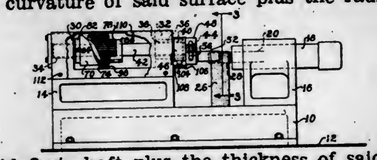
2,347,028
FILAMENT MOUNT
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application September 23, 1942, Serial No. 459,454
5 Claims. (Cl. 176—39)



5. An electric lamp mount comprising a vitreous stem and pedestal structure, lead wires extending inward from the stem alongside and beyond said pedestal, and a filament connected between said lead wires comprising coiled segments adjacent the lead wires and an integral intermediate uncoiled hairpin segment extending back to said pedestal and having its bend sealed and embedded directly in the vitreous material thereof.

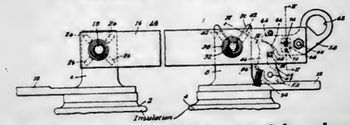
2,347,029
POLISHING MACHINE
Henry R. Costley, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application March 23, 1942, Serial No. 435,766
9 Claims. (Cl. 51—143)

4. A machine for polishing the cylindrical valve engaging surface of a rocker arm comprising a first shaft, a belt of abrasive material arranged to run around said first shaft, a second shaft mounted for rotation about an axis parallel to but spaced from the axis of said first shaft, the distance between the axes of said shafts being approximately equal to the sum of the radius of curvature of said surface plus the radius of



said first shaft plus the thickness of said belt, and means carried by said second shaft for rotatably supporting said rocker arm about another axis spaced from the axis of said second shaft by a distance approximately equal to the distance between the center of curvature of said surface and the axis of rotation of said rocker arm.

2,347,030
CIRCUIT INTERRUPTER
Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 15, 1941, Serial No. 374,493
12 Claims. (Cl. 200—162)



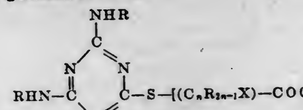
2. In a switch, spaced hinge and break contact members, a blade member pivotally mounted on said hinge contact member for movement into and out of engagement with said break contact member, the engaging portions of said blade and hinge contact member at the closed position of said switch comprising, limited area raised contacting portions on each of said blade and hinge members, said contacting portions being spaced about the pivot axis of said blade, and means limiting movement of said blade and hinge members toward each other at other switch positions to prevent said contacting portions of each member from engaging the other member except when said switch is substantially closed.

2,347,031
AIR FILTER
Martin Eli Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 7, 1940, Serial No. 339,331
7 Claims. (Cl. 183—45)

1. An air filter comprising a porous structure the pores of which contain glyceryl ammonium sulfate.

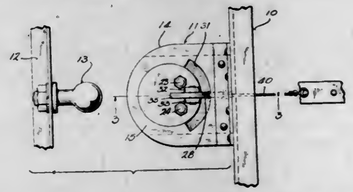
2,347,032
COMPOSITIONS CONTAINING A DIAMINO TRIAZINYL SUBSTITUTED ALKYL SULPHIDE
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 23, 1942, Serial No. 444,263
20 Claims. (Cl. 260—42)

1. A composition comprising an acid-curing, thermosetting resin carrying a curing agent therefor comprising a compound selected from the class consisting of (1) compounds corresponding to the general formula



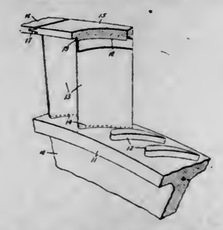
where n represents an integer and is at least 1 and not more than 2, X represents a halogen atom, and R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals; and (2) soluble, fusible aldehyde-reaction products of the compounds of (1).

2,347,033
COUPLER
Max E. Dayton, Rockford, Ill., assignor of one-half to Bay St. John, Rockford, Ill.
Application July 19, 1941, Serial No. 403,215
7 Claims. (Cl. 280—33.17)



1. In a device of the character described, spaced jaw plates providing jaw bearings, jaw members mounted on said bearings between the plates, said jaw members having tailpieces, one of said plates having a latch adjustably secured thereto for alternative reception between said tailpieces whereby to prevent the movement of said jaws on said bearings, and said plates being mounted for oscillation about an axis eccentric to the jaw portions of the jaw members.

2,347,034
TURBINE BUCKET WHEEL AND THE LIKE
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 28, 1942, Serial No. 436,593
7 Claims. (Cl. 253—77)



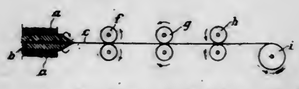
1. Bladed body comprising a disk having a rim with a plurality of circumferentially spaced curved projections integrally formed thereon, a plurality of circumferentially spaced hollow blades each having an end portion enclosing and fused to one of the projections, and an outer ring connected to the outer ends of the blades, said ring having a plurality of circumferentially spaced projections, each projection extending into and being fused to the hollow end of a blade.

2,347,035
FILING EQUIPMENT
John Fred Douglas, Aurora, Ill., assignor to Durabilt Steel Locker Co., Aurora, Ill.
Application April 14, 1941, Serial No. 388,393
3 Claims. (Cl. 211—87)



1. A key rack comprising a plate having a plurality of key supports, each comprising a pair of tongues spaced apart laterally and struck out from the plate with their bases symmetrically inclined to converge downward toward a vertical line of reference midway between them and being bent to form shanks extending approximately at right angles to the plate and heads extending upward approximately parallel to the plate for marginally embracing a disc-shaped key handle.

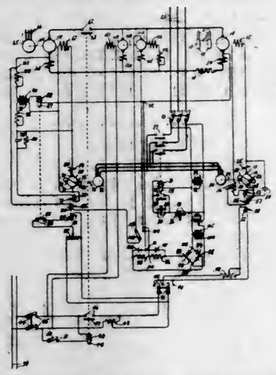
2,347,036
PROCESS FOR THE PRODUCTION OF FILAMENTS FROM MOLTEN THERMOPLASTIC MATERIALS
Eugen Dumont, Troisdorf, near Cologne, Germany; vested in the Alien Property Custodian
Application August 13, 1940, Serial No. 352,364
In Germany July 8, 1939
7 Claims. (Cl. 18—54)



1. A process for the production of filaments from a molten thermoplastic filament-forming mass comprising the steps of extruding the said mass through an axial orifice of a nozzle which is rotated about its longitudinal axis and which twists the extrudate and then lengthwise cold drawing the twisted extrudate by drawing the same from the said nozzle at a speed greater than the speed at which it is extruded.

2,347,037
TEST SYSTEM
Martin A. Edwards, Scotia, Donald E. Garr, Schenectady, and Burr S. Weaver, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application January 11, 1943, Serial No. 471,962
16 Claims. (Cl. 172—239)

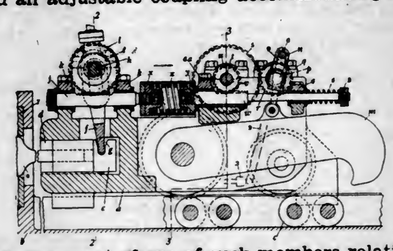
16. A test system including a chassis dynamometer having a loading member and a first dynamo-electric machine having a rotatable member mechanically connected to said loading member, a second dynamo-electric machine having a rotatable member, means for electrically connecting said second dynamo-electric machine rotatable member to said first dynamo-electric machine rotatable member, a source of electrical power supply, a third dynamo-electric machine mechanically connected to said second dynamo-electric machine rotatable member and electrically connected to said source of electrical power supply for supplying and absorbing electrical power relative to said source of electrical power supply when said second dynamo-electric machine operates as a motor and a generator respectively, a control field exciting winding for said first dynamo-electric machine, a control field exciting winding for said second dynamo-electric machine, dynamo-electric means for energizing and controlling said second dynamo-electric machine control field exciting winding to operate said second dynamo-electric machine as a motor and a generator for driving and being driven respectively by said third dynamo-electric machine, means including a first field exciting winding for said dynamo-electric means for controlling the energizing current thereof, means for varying the energization of said first field exciting winding of said dynamo-electric means for varying the voltage induced in said second dynamo-electric machine rotatable member above



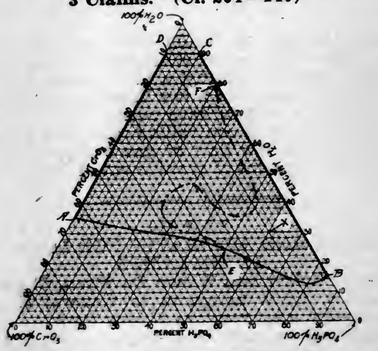
and below the voltage induced in said first dynamo-electric machine rotatable member to provide for motoring and generating torques respectively to said first dynamo-electric machine rotatable member, means for varying the energization of said first field exciting winding of said dynamo-electric means for varying the energization of said second dynamo-electric machine control field exciting winding including a variation component responsive substantially to the square of the speed of said rotatable member of said first dynamo-electric machine, and means including a second field exciting winding for said dynamo-electric means for providing a control component of excitation thereto in opposition to said dynamo-electric means first field exciting winding.

2,347,038
DRAWBENCH DOG
David William Thomas Evans, Sutton Coldfield, England, assignor to T. I. (Group Services) Limited, Birmingham, England
Application November 11, 1943, Serial No. 509,891
In Great Britain November 9, 1942
5 Claims. (Cl. 205—24)

1. A draw bench dog comprising the combination with a carriage adapted to move along a draw bench under the action of a chain and having grippers for pulling the work-piece through a die, of a hook pivoted on the carriage and adapted to effect detachable engagement with the chain, a releasable crank mechanism operable in one position to hold the hook in an upper position clear of the chain and receiving movement from the hook when the latter descends under its own weight into engagement with the chain, means for releasing the crank mechanism whereby the hook may descend, members operable by the crank mechanism under the action of the hook for moving the grippers into their active position and an adjustable coupling accommodating limited movement of one of such members relatively to the other member during movement of the grippers into active position.



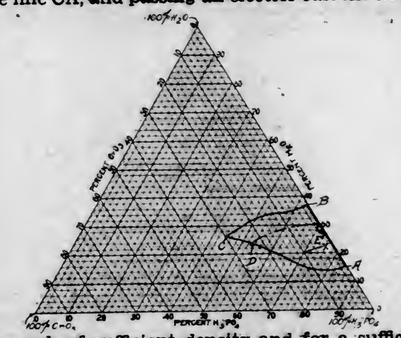
2,347,039
METHOD OF ANODICALLY POLISHING COPPER
Charles L. Faust, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application November 6, 1939, Serial No. 302,951
3 Claims. (Cl. 204—140)



1. The method of anodically polishing copper, which comprises making the copper the anode in a solution comprising essentially from 0.1 to 85% of phosphoric acid, from 0.1 to 65% of CrO_3, and from 13 to 90% of water, all of said percentages being by weight of said solution and the relative percentages of said three solution ingredients lying within the area defined in the accompanying diagram by the line AB, the straight line BC, the straight line CD, and the straight line DA, and passing an electric current therethrough of sufficient density and for a sufficient period of time to effect the polishing of said copper.

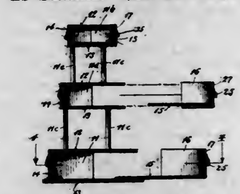
2,347,040
METHOD OF ANODICALLY POLISHING STEEL
Charles L. Faust, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application November 15, 1939, Serial No. 304,450
3 Claims. (Cl. 204—140)

1. The method of anodically polishing plain carbon and low alloy steels and ingot iron which comprises making the steel or iron the anode in a solution comprising essentially from 45% to 85% of phosphoric acid, from 0.1 to 29% of CrO_3, and from 14 to 37% of water, all of said percentages being by weight of said solution and the relative percentages of said three solution ingredients lying within the area defined on the accompanying diagram by the straight line AB, the line BC and the line CA, and passing an electric current there-



through of sufficient density and for a sufficient period of time to effect a polishing of said steel or iron.

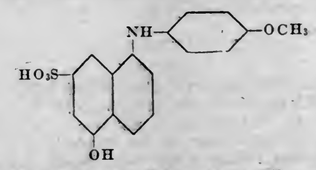
2,347,041
ARTIFICIAL CAKE
Rudolf Filsinger, Fairfield, Conn.
Application January 26, 1943, Serial No. 473,629
17 Claims. (Cl. 65—16)



6. A container simulating a cake or the like comprising a top and bottom and connecting side walls extending partially therearound; and a cake-receiving tray disposed over the bottom and having side walls to completely close the container, the tray being movable to expose the cake thereon, said top and side walls having an inedible surface to simulate the frosting on a cake and having apertures therein, and decorations and ornaments detachably mounted in said apertures.

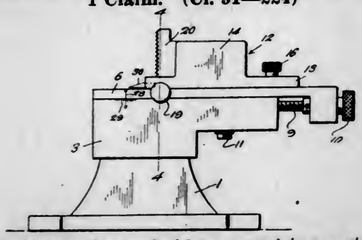
2,347,042
1-ARYLAMINO-5-HYDROXYNAPHTHALENE-7-SULPHONIC ACID
Richard Fleischhauer and Adolf Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 20, 1941, Serial No. 394,284. In Germany May 21, 1940
4 Claims. (Cl. 260—507)

2. The 1-(4'-methoxyphenylamino)-5-hydroxynaphthalene-7-sulphonic acid of the formula:



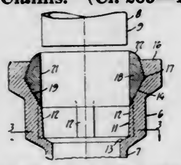
being a slightly colored powder easily soluble in alkaline solutions, the sodium salt crystallizing as slightly greenish leaflets.

2,347,043
INSERT CHASER HOLDER
Jesse A. Fluke, Argus, Pa.
Application September 12, 1942, Serial No. 458,132
1 Claim. (Cl. 51—224)



An insert chaser holder comprising a stand, a base mounted for rotary adjustment on said stand, said base having a slot therein, a carriage slidably mounted on said base, a manually operable screw rotatably secured to the carriage and threadedly connected to the base for adjusting said carriage on said base, a bolt threadedly mounted on the carriage and operable in the slot for securing said carriage in adjusted position, a removable holder pivotally secured for swinging adjustment on the carriage, means for releasably securing an insert chaser in said holder, and means for pivotally adjusting the holder on the carriage, the last-named means including a pin anchored in the holder and depending therefrom, the carriage having a slot therein accommodating the pin, and screws threadedly mounted in the carriage and engaged with the pin in the slot for swinging the holder.

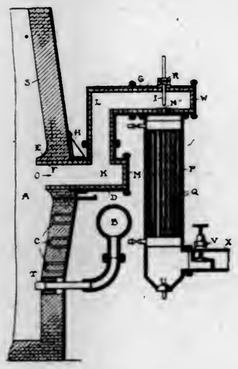
2,347,044
PIPE BELL HUB AND SEALING MEANS
Joseph E. Frances, Oakland, Calif.
Application October 10, 1941, Serial No. 414,493
4 Claims. (Cl. 285—115)



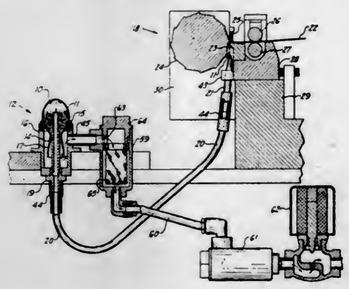
3. A pipe bell hub having a base portion formed to provide a circumferential embrace of a pipe inserted therein for sealing in said hub, said base portion being tapered to converge in the direction of insertion of said pipe to provide a wedged engagement with the pipe, the internal wall of said hub diverging outwardly from said base portion to provide a tapered wall part of greater angularity with the hub axis than said first taper, and a sealing gasket of compressible material having a tapered wall conforming generally to said tapered wall part of said hub and having an internal substantially cylindrical wall of greater diameter than the pipe and being adapted to slidably embrace said pipe.

2,347,045
BLAST FURNACE CYANIDE OUTLET
Richard Franchot, Washington, D. C., assignor to Ferro Nitrogen Corporation, Washington, D. C., a corporation of the District of Columbia
Application January 29, 1942, Serial No. 428,770
5 Claims. (Cl. 75—41)

5. A method of removing cyanide vapor from a blast furnace which comprises withdrawing gas in a continuous flow from the furnace at a level where the temperature is high enough to keep cyanide in the vapor phase and directly through a wide horizontal opening in the furnace wall, turning said horizontal flow of gas upwardly after withdrawal, then turning the upward flow in a horizontal direction, finally directing the flow vertically downward by means of a throttling nozzle constriction into a condensing chamber against a back pressure of gas sufficient to maintain a low lineal velocity of gas flow through said furnace outlet and regulating said flow of gas by controlling said back pressure to a relatively low flow of gas carrying a relatively large amount of cyanide out of the furnace.

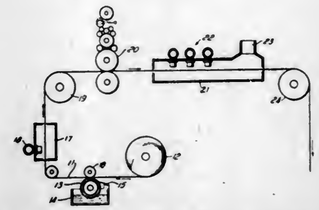


2,347,046
METHOD AND APPARATUS FOR LOADING FLASH LAMPS
Walter J. Geiger and Wilson Davidson, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application January 14, 1941, Serial No. 374,372
12 Claims. (Cl. 226—19)



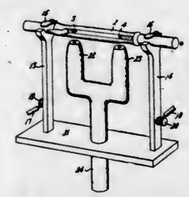
12. The method of loading a flash lamp bulb with combustible material which comprises slicing a multiplicity of separate extremely fine strips from a sheet of foil at the entrance of a conduit extending into the bulb, applying suction of sufficient force to the open end of the bulb to draw the strips into the conduit and to cause them to be released from the conduit at a point beyond the maximum diameter of the bulb and to be directed toward its rounded end so that it will gradually fill with a tangled fluffy mass of strips.

2,347,047
PRINTING METHOD AND PAPER FOR USE THEREIN
Albert E. Gessler, New York, and Dominic J. Bernardi, Astoria, Long Island, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application August 31, 1940, Serial No. 354,994
2 Claims. (Cl. 117—38)



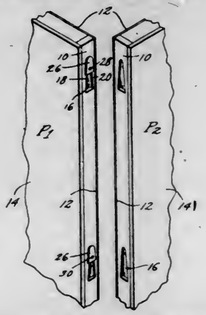
2. The method of producing high finish printing on porous newspaper stock weighing between about 20 and 40 pounds to the ream, which comprises applying by gravure to the paper a relatively uniform non-cracking coating of an aqueous alkali silicate solution, the silica-alkali oxide ratio of which lies between 3.2 to 1.0 and the upper ratio limit at which water-solubility is still obtainable, in such thickness that a dry coating weight of between ¾ and 2 pounds per ream is obtained, drying the coating to obtain a film restricted to the outsides of the paper fibers at the surface of the paper, while the interior of the paper sheet and the interior of the surface fibers are substantially free of silicate, and thereafter printing the paper with an ink which comprises pigment, a binder, and a solvent substantially non-volatile at room temperatures but which evaporates rapidly at 150° C., and immediately after printing drying the ink with heat to obtain a printed news stock of highly improved finish as compared to that obtained from a similar ink of untreated news stock.

2,347,048
VAPOR ELECTRIC DEVICE AND METHOD OF OPERATION
Newell T. Gordon and Willis R. Whitney, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Original application March 28, 1941, Serial No. 385,642. Divided and this application November 10, 1942, Serial No. 465,114
9 Claims. (Cl. 176—122)



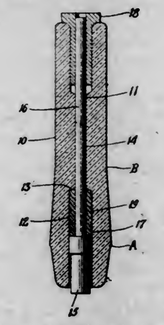
9. A high pressure vapor electric discharge device comprising a tubular, heat-resistant, vitreous envelope containing electrodes adjacent its ends, and also starting gas and mercury for providing discharge-constricting superatmospheric pressure in the envelope during normal operation, in combination with nozzle means for jetting compressed cooling air externally against said envelope intermediate said electrodes, said means being arranged to distribute this air substantially symmetrically lengthwise of the envelope with respect to its mid-length and in a constricted air stream width, transversely of the envelope, substantially less than the envelope width presented to the impinging air, whereby envelope temperature and devitrification are substantially reduced while maintenance of discharge-constricting internal pressure is allowed.

2,347,049
STRUCTURAL JOINT
Edward E. Green, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application August 19, 1942, Serial No. 455,297
2 Claims. (Cl. 20—92)



1. In a structural joint, a pair of members adapted to be assembled in face-to-face relation, having tapered dovetail recesses formed in their adjacent faces spaced from all surrounding corner edges, the dovetail extending along the sides and across the small end of each recess, a tapered dovetail key inter-fitting with said recesses, adapted to enter the recess near one end and to seat snugly in the other end, and means for fastening the key to one member in its seated position without interfering with the assembling of the other member.

2,347,050
SPARK PLUG
Sam D. Heron, Detroit, Mich., assignor of one-half to Ethyl Corporation, Detroit, Mich., a corporation of Delaware, and one-half to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 12, 1942, Serial No. 454,601
2 Claims. (Cl. 123—169)



1. A spark plug core having a stepped bore, the larger bore facing the inner end of the core,

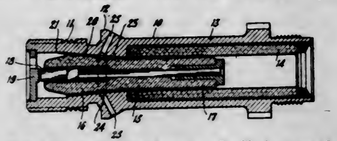
a stepped electrode having its large end in the large bore and its small end in the small bore and a compacted material in the bottom of the large bore sealing and holding the electrode in the core.

2,347,051

SPARK PLUG

Sam D. Heron and Karl Beaver, Detroit, Mich., assignors of one-half to Ethyl Corporation, Detroit, Mich., a corporation of Delaware, and one-half to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application August 12, 1942, Serial No. 454,603
5 Claims. (Cl. 123—169)



1. A spark plug having a shell tapered for a portion of its inner surface, a core having a tapered portion on its outer surface, and a metal sleeve seated between the tapered portions of the shell and core and having a passage therethrough, the shell having a vent extending from the passage through the sleeve to the outside of the shell.

2,347,052

ELECTRIC CIRCUIT BREAKER

Leland S. Hobson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application August 20, 1942, Serial No. 455,433
2 Claims. (Cl. 200—148)



1. A gas blast circuit breaker comprising an insulating arc chute, relatively movable arcing contacts separable in said chute, a separate auxiliary electrode arranged to electrically engage one of said arcing contacts so as to form with said arcing contacts upon separation thereof an optimum fixed arc gap of substantially predetermined length, arc extinguishing structure in said chute at one side of said arc gap, and means for directing a blast of interrupting gas from the opposite side of said arc gap into said chute to traverse the arc gap, the arcing structure at one of said contacts having a cutaway angular arcing surface at the downstream side thereof, said arcing surface forming in effect with the cooperating arcing surface a horn gap for facilitating rapid extension of the arc to said optimum gap at said auxiliary electrode and into said arc extinguishing structure immediately upon separation of said contacts.

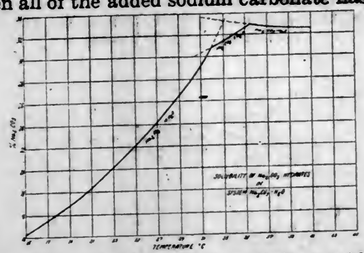
2,347,053

PROCESS FOR PURIFYING CRUDE SODIUM CARBONATE

Alexis C. Houghton, Bartlett, Calif., assignor to Frederic A. Dakin, Boston, Mass., as trustee

Application February 7, 1940, Serial No. 317,638
5 Claims. (Cl. 23—63)

5. A method of purifying crude sodium carbonate containing sodium sulphate, which consists in adding a large excess of crude sodium carbonate other than the heptahydrate to a brine saturated with sodium carbonate and with sodium chloride, adjusting the sodium chloride content of the solution to maintain substantial saturation of the mother liquor in sodium chloride when all of the added sodium carbonate has been



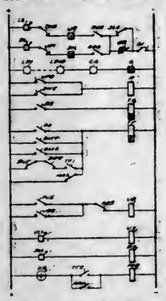
changed into heptahydrate, agitating said mixture at a temperature between 18° and 24° centigrade until all of the added sodium carbonate has been transformed into a high yield of pure heptahydrate crystals and separating from the mother liquor the crystallized heptahydrate therein.

2,347,054

ELEVATOR CONTROL SYSTEM

Stanley T. Hunt, Northampton, England, assignor to Express Lift Company Limited, London, England, a British company

Application May 13, 1942, Serial No. 442,869
In Great Britain June 13, 1941
13 Claims. (Cl. 187—29)



13. In an elevator control system for a plurality of cars operable past a plurality of floors, switch means at each floor for storing calls for service and for causing a car to stop at said floor, a timing means for each switch means for measuring the time a call is stored thereon until it is answered, and means responsive to the number of stored calls between an approaching car and the next car ahead of it for rendering such of said stored calls as have been stored for less than a predetermined time ineffective to stop said approaching car.

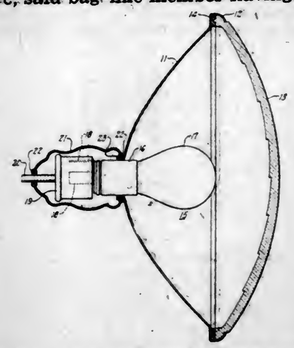
2,347,055

ELECTRIC LAMP

Wilber M. Johnson, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application January 6, 1943, Serial No. 471,467
3 Claims. (Cl. 240—41)

1. A lighting unit comprising an enclosure including a reflector, and an electrtic lamp in said enclosure, said enclosure containing a gaseous atmosphere and being normally air-tight but subject to leakage through a portion thereof upon expansion and contraction of the internal atmosphere when the lamp is turned on and off, and an air-tight easily collapsible and expansible bag-like member connected with the interior of said enclosure, said bag-like member having sufficient



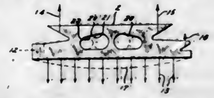
volume to accommodate the internal atmosphere which is expanded when the lamp is lighted and to prevent a rise in pressure sufficient to cause the internal atmosphere to leak out of the enclosure to the exterior atmosphere, the internal atmosphere in said member being returned to the enclosure when the unit cools.

2,347,056

ARMATURE CONSTRUCTION

Arnold R. Keistman, Shaker Heights, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application January 6, 1943, Serial No. 471,417
3 Claims. (Cl. 171—321)



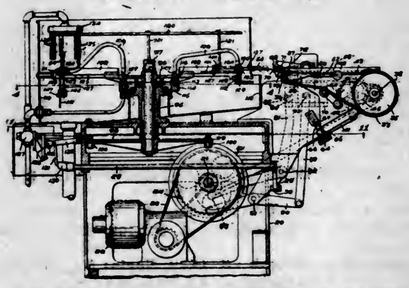
1. A commutator bar having a pair of openings therein to reduce the mass of said bar subject to centrifugal force, said openings being arranged to leave an integral configuration of material forming the tension and compression members of a king post bridge truss.

2,347,057

AMPOULE WASHER

Eino E. Lakso, Fitchburg, Mass.

Application March 28, 1941, Serial No. 385,594
22 Claims. (Cl. 141—7)



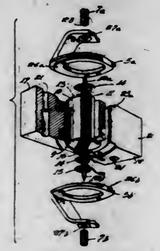
1. The combination in an ampoule washer of a tube for cleansing fluids, an endless belt for supporting an ampoule for motion towards the tube in substantially axial alignment therewith, means engaged by the advancing ampule to bring at least the open end thereof into exact alignment with the tube and means for effecting simultaneous motion of the ampoule and said means with respect to the tube to telescope the latter within the ampoule.

2,347,058

METHOD OF FORMING ELECTRICAL MEASURING INSTRUMENTS

Lawrence J. Lunas, Cedar Grove, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application October 13, 1939, Serial No. 299,284. Divided and this application December 24, 1941, Serial No. 424,306
5 Claims. (Cl. 29—155.5)



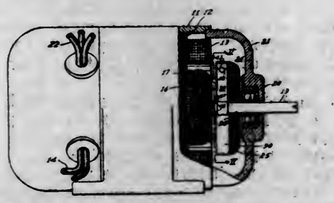
1. The method for fitting a magnetic core to a pole-piece assembly for an electrical measuring instrument, which comprises positioning a fastening element in engagement with predetermined parts of a spacer element and a magnetic core for temporarily fastening the spacer element to a portion of the magnetic core, machining the spacer element while temporarily fastened to said magnetic core to proper dimensions for spacing said magnetic core from said pole-piece assembly, unfastening said spacer element from said magnetic core, and permanently attaching said spacer and said pole-piece assembly to said portion of said magnetic core by positioning a permanent attaching element in engagement with at least certain of said predetermined parts.

2,347,059

DAMPER

Joseph E. Mulheim, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

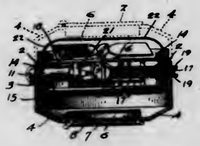
Application January 29, 1942, Serial No. 428,711
5 Claims. (Cl. 74—574)



1. A damper for a synchro-tie motor having a stator and an armature mounted on a shaft comprising, a flywheel rotatably associated with

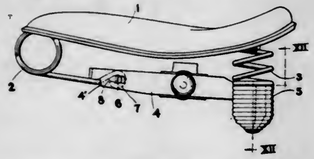
the shaft, a resilient spring member projecting from the shaft having a predetermined frictional engagement therewith, and means on the flywheel cooperative with a portion of the spring member for providing a lost motion connection between the spring member and the flywheel whereby a resilient lost motion connection is provided between the shaft and the flywheel.

2,347,060
PERFUMER
Mike Pappas, San Francisco, Calif.
Application March 10, 1943, Serial No. 478,729
1 Claim. (Cl. 261—30)



A perfumer comprising a cylindrical open-top container having upper and lower annular shoulders on the periphery thereof; upper and lower plates mounted within said container; a rotary fan mounted above said upper plate; a gear train mounted between said plates and connected to said fan; operating means connected to said gear train and extending exteriorly of said container; one or more perfume wells mounted below and opening above said upper plate and toward said fan; and a detachable cover arranged to seat upon either the upper or lower annular shoulder of said container.

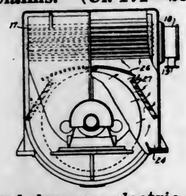
2,347,061
RESILIENT CYCLE SADDLE
Charles A. Persons, Worcester, Mass., assignor to Persons - Majestic Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application March 22, 1940, Serial No. 325,415
12 Claims. (Cl. 155—5.22)



2. In a saddle, a saddle top, a longitudinal supporting frame connected at its forward end to said saddle top, compression springs depending from the saddle top at the outer side of said frame, a pair of circumferentially corrugated pendants depending from said frame below said springs, and a connection extending thru each pendant and securing said spring, pendant, and frame together, said corrugations being of a width substantially equal to the diameter of a run of said springs.

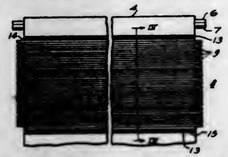
10. In a device of the class described, a saddle seat, a supporting frame, an inwardly directed tongue near one end of said frame and a pair of cup-shaped pendants secured to the other end thereof, springs interposed between said seat and said frame, one of said springs having an eye for engagement with said tongue to form a pivot, the lower ends of the other springs being contained in said pendants and secured thereto and to said frame.

2,347,062
GENERATOR PROTECTION AGAINST LEAKAGE OF COOLER TUBES
Ernest I. Pollard, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1942, Serial No. 441,051
3 Claims. (Cl. 171—252)



1. A ventilated dynamo-electric machine comprising, in combination with the machine, means for providing a closed recirculating path for a recirculated gaseous cooling-medium for cooling the machine, a cooler of a type using a liquid cooling-medium and conduit-means for said liquid cooling-medium separate from the gaseous cooling-medium, said cooler being disposed above a vital part of the machine and in the path of said recirculated gaseous cooling-medium, and baffle-means disposed underneath said cooler and including an inclined system of louvers comprising vertically spaced and overlapping slats, said inclined system of louvers being disposed in the path of said recirculated gaseous cooling-medium in a position below said cooler in such manner as to permit a moderately free passage of the gaseous cooling-medium in a substantially horizontal direction through the louvers, while draining any downwardly dropping leakage-liquid from the cooler horizontally away from the vital parts of the machine.

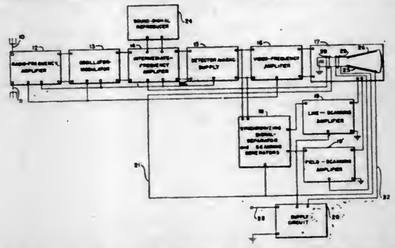
2,347,063
FIELD WINDING FOR DYNAMOELECTRIC MACHINES
Ernest I. Pollard, Wilkinsburg, and John A. Benyak, Homeville, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1943, Serial No. 475,384
6 Claims. (Cl. 171—252)



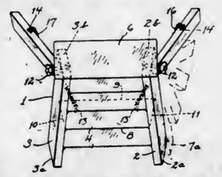
1. A dynamo-electric machine having relatively rotatable field and armature members, a plurality of salient pole pieces on the field member, and a field coil on each of said pole pieces, each field coil comprising a plurality of turns of a two-ply strap conductor, the two plies of each turn being displaced so that one ply extends beyond the other at each end of the pole piece.

2,347,064
TELEVISION SIGNAL-TRANSLATING APPARATUS
John A. Rado, Douglaston, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 26, 1942, Serial No. 436,229
5 Claims. (Cl. 315—14)

1. A television signal-translating apparatus comprising, a cathode-ray signal-translating device, an accelerating electrode system for said device having a predetermined voltage-focus characteristic, a beam-focusing system for said device having a predetermined voltage-focus characteristic, a common supply circuit for said systems the voltage of which is subject to fluctuations, and a plurality of magnetic focusing windings included in said focusing system, the number of turns in each of said windings being such that the voltage-focus characteristics of said electrode system and said beam-focusing system are so related that fluctuations in the voltage of said supply circuit cause said systems to effect substantially complementary variations on the focus of said beam, whereby the focus of said beam is maintained substantially constant.



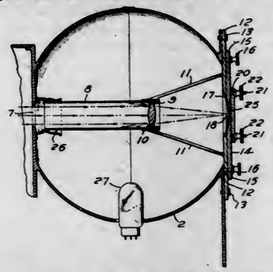
2,347,065
STEPLADDER
Ralph Rigby, Berea, Ky.
Application March 26, 1942, Serial No. 436,292
1 Claim. (Cl. 228—31)



In a ladder, the combination of a pair of side rails, steps therebetween, a pair of braces each pivotally secured to the upper ends of one of said side rails, said steps being each provided with a forward edge of relatively less longitudinal extent than the rear edge of each said step, said step being generally of the shape of an isosceles trapezoid, the outwardly rearwardly diverging side edges of each said step being secured flush to the adjacent side rail, said side rails having their forward or leading edges substantially closer than the rear edges of said side rails, said rear braces adapted to be moved rearwardly with respect to said side rails, the inner faces of said rear braces forming an extension of the line of angle of the outer faces of said side rails.

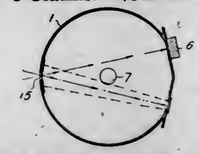
2,347,066
SPECTROPHOTOMETER ACCESSORY
William A. Shurcliff, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 13, 1942, Serial No. 430,719
5 Claims. (Cl. 88—14)

1. A sample holder adapted for use with those spectrophotometers of the flickering-beam type which have an integrating sphere with at least one opening therein for the admission of light into the sphere and a sample mounting window opposite said opening, which comprises a substantially flat plate having a concave depression in one surface of the plate, a small opening through said plate at the bottom of said depression, a light absorbing lining on said depression,



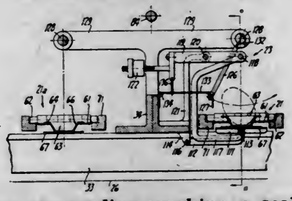
the opposite face of said plate comprising a substantially flat plane, and means mounted on said flat face for positioning a sample in fixed relation to said small opening and substantially in the plane of the flat face of the plate.

2,347,067
SPECTROPHOTOMETER ATTACHMENT FOR ABSORBING SPECULAR REFLECTION
William A. Shurcliff, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 13, 1942, Serial No. 430,720
3 Claims. (Cl. 88—14)



3. In a spectrophotometer of the flickering beam type, the combination of an integrating chamber having means therein to admit light to the interior of said chamber and reflectance chamber windows opposite said means with a light absorbing mask on the inner surface of said chamber, immediately adjacent to and symmetrically positioned about said light-admitting means.

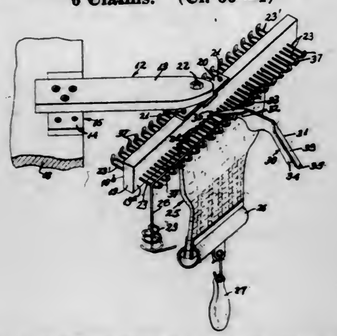
2,347,068
EGG GRADING MACHINE
Robert C. Sneed, Piedmont, and Curtis S. Jordan, Glendale, Calif., assignors to Safeway Stores, Inc., Oakland, Calif., a corporation of California
Application April 13, 1942, Serial No. 438,720
11 Claims. (Cl. 209—121)



7. In an egg grading machine, a scale, means for successively effecting weighing of eggs by said scale including a conveyor mounted to travel past said scale, a series of spaced egg carrying elements loosely retained by said conveyor for successive movement therewith past said scale, means for driving said conveyor including means for ef-

fecting a dwell in the movement of said conveyor as each successive element comes into cooperative relation with said scale, and means for effecting relative positioning of the conveyor and an element at said scale during each successive dwell to cause support of said element entirely by said scale and completely free of physical contact with said conveyor.

2,347,069
KNITTING PICKER AND FRAME
George Albert, New York, N. Y.
Application May 26, 1943, Serial No. 488,509
6 Claims. (Cl. 66—4)



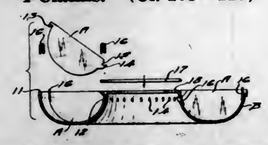
1. A knitting picker and frame, comprising a support having a forwardly projecting portion, a bar pivotally mounted intermediate of its ends upon the bottom of and having its end portion projecting laterally of said forwardly projecting portion, a plurality of loop supporting elements mounted on and projecting forwards of the front face of said bar for supporting the top loops of the front half of a tubular knitted article being knitted on said frame, and a plurality of loop supporting elements mounted on and projecting rearwards of the rear face of said bar for supporting the top loops of the rear half of a tubular knitted article being knitted on said frame.

2,347,070
LINED METAL ARTICLE
Harold R. Austin, South Norwalk, Conn., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Original application July 25, 1940, Serial No. 347,383. Divided and this application October 8, 1941, Serial No. 414,167
3 Claims. (Cl. 220—63)



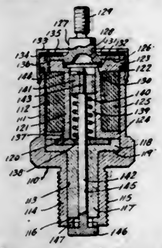
1. A pressure vessel including a steel shell and a ferrous alloy liner of superior corrosion resistance covering the inner surface of said shell, said liner being of work-refined metal and presenting to the medium handled in the vessel a surface of high corrosion resistance defined entirely by work-refined metal, said liner being united to said shell by weld metal that extends into the metal of said liner and into the metal of said shell and is entirely covered by the metal of said liner and the metal of said shell, said weld metal being of substantially the same analysis as the metal of said liner but having the characteristics of weld metal after solidification and before work-refinement.

2,347,071
FLUID COUPLING
Edgar L. Bailey, Birmingham, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application August 24, 1940, Serial No. 354,015. Divided and this application April 24, 1941, Serial No. 390,019
4 Claims. (Cl. 103—115)



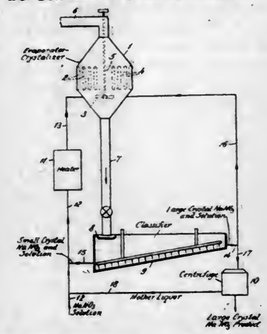
1. A vaned fluid drive-transmitting structure comprising a cover having a hemi-toroidal dished fluid circulating chamber provided with inner and outer peripheral bounding portions, each of said bounding portions being formed with an annular series of slots, a plurality of vanes adapted for positioning in circumferentially spaced relationship with respect to each other in said dished chamber, each of said vanes having a hook-like projection adapted to engage a slot of one of said series, each of said vanes having a second hook-like projection, the projections of each of said vanes extending in relatively opposite directions and being so constructed and arranged that the second said hook-like projection of each of said vanes will engage a slot of the other of said series thereby providing interlocking connection of the vanes with said cover.

2,347,072
MAGNETIC SPARK PLUG
Louis Beeh, Long Meadow, Mass.
Application April 9, 1942, Serial No. 438,256
8 Claims. (Cl. 123—147)



1. A spark plug comprising a body of magnetizable metal including a hollow cylindrical upper portion and an exteriorly threaded lower portion provided with an axial bore in continuation of the interior of said cylindrical portion, a first contact element in connection with the bottom face of said lower portion, an insulated coil in said cylindrical portion, a core member in coaxial arrangement with the coil and movable in one axial direction with respect thereto when the coil is energized, a second movable contact element so arranged and constructed as to cover the bottom entrance of said bore when contacting said first contact element and including an axial pin connecting said second element to said core through said bore, a spring insulatedly secured to said cylindrical portion and conductively connected to the one end of said coil, said spring being in engagement with said core and tending to move it in the opposite direction so as to hold said elements engaged, and means to connect the other end of said coil to an external current source.

2,347,073
PROCESS FOR RECOVERING SOLIDS FROM SOLUTION
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application June 6, 1941, Serial No. 396,911
10 Claims. (Cl. 23—301)



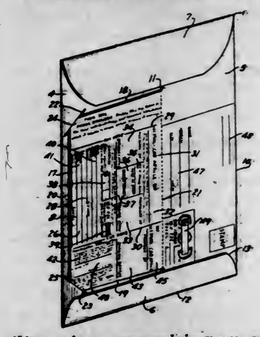
6. In a process wherein a material is recovered as a solid from solution in a liquid solvent, that improvement which comprises depositing said material as a solid out of solution in said solvent in a body of slurry containing said solution and at least 20% apparent volume of said solid, withdrawing from said body of slurry a mixture of large and small solid particles formed therein, subjecting said withdrawn mixture to a wet classification in the presence of said solvent and thereby dividing said mixture into a fine particle fraction and a large particle fraction, redissolving in said solvent solid contained in said fine particle fraction, passing the resulting solution in countercurrent flow with at least a portion of said large particle fraction and and thereby removing therefrom smaller solid particles in said fraction as a suspension in the solution of the fine particle fraction, returning the resulting mixture of solution and solid particles to said body of slurry and withdrawing as product solid contained in another portion of said large particle fraction after subjecting this last mentioned solid to the aforesaid countercurrent flow with solution of the fine particle fraction.

2,347,074
SHAKER CONVEYER
Ernst R. Bergmann, Evergreen Park, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 20, 1943, Serial No. 487,684
7 Claims. (Cl. 198—220)



1. In an articulated connection for a shaker conveyer trough line, a base, holding means for securing said base to the ground during operation of the conveyer, a trough mounted on said base for reciprocable movement with respect thereto, and means for centering said base with respect to the stroke of the conveyer when setting up said articulated connection, to prevent said trough from running off of said base during reciprocation of the conveyer including stopping means movable with said conveyer trough, other stopping means on said base and adapted to be engaged by said first mentioned stopping means, for moving said base to a centered position with respect to the stroke of the conveyer by reciprocable movement of the conveyer, and means engaged by one of said holding means, for automatically moving one of said stopping means out of registry with the other, when said base is secured in a stationary position on the ground by said holding means.

2,347,075
ENVELOPE OR SIMILAR CONTAINER FOR USE IN CONNECTION WITH C. O. D. TRANSACTIONS
Eugene B. Berkowitz, Kansas City, Mo., assignor to Berkowitz Envelope Company, Kansas City, Mo., a corporation of Delaware
Application August 3, 1942, Serial No. 453,322
9 Claims. (Cl. 229—70)

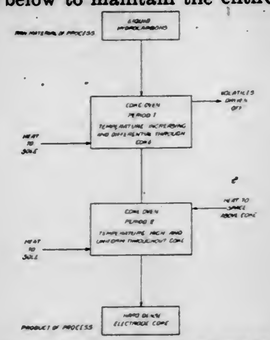


1. A mailing piece comprising an envelope having front and back portions forming a pocket having an insert opening for inserting an enclosure into said pocket, a closure flap integral with one of said portions for closing the insert opening, one of said portions having an area thereon adapted to bear an address, and a collect-on-delivery tag integral with said portion bearing the address area and spaced from said address area and from the closure flap with edges thereof within the boundaries of the envelope.

2,347,076
METHOD FOR THE PRODUCTION OF COKE
Arthur J. Boynton, Winnetka, and Urban H. Stallings, Glenwood, Ill., assignors to Knowles Fuel Process Corporation, New York, N. Y., a corporation of Delaware
Application March 22, 1941, Serial No. 384,667
2 Claims. (Cl. 202—6)

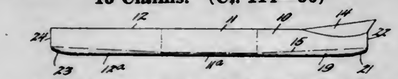
1. The process of treating liquid hydrocarbons to produce a coke of high density, which comprises placing the liquid hydrocarbons in a broad, relatively thin layer in a closed chamber, heating the liquid from below to drive off volatiles and coke the residue, introducing oxygen containing gases into the upper portion of the chamber to cause substantially uniform combustion throughout the upper face of the coke layer and, during said period of combustion in said upper portion

of said chamber, supplying additional heat to the bottom of said layer to heat the coke from above and below to maintain the entire layer at



a temperature of approximately 2300° F. until it reaches a density of not less than 2.00, stopping the introduction of the gases and removing the hardened coke.

2,347,077
HULL FORM
William Starling Burgess, Washington, D. C., assignor to Weaver Associates Corporation, Washington, D. C., a corporation of Maryland
Application May 21, 1941, Serial No. 394,549
15 Claims. (Cl. 114—56)



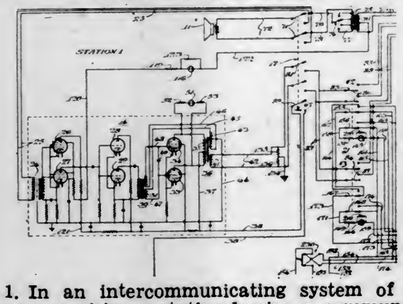
1. A displacement type hull including fore- and afterbodies and a middle body, said middle body having rounded bilges throughout, the forebody having forwardly converging rounded bilges starting at the middle body on the same radius as the forward end of the middle body bilges and running forward with increasing radius and length of arc, and the afterbody having rearwardly converging rounded bilges starting at the middle body on the same radius as the after end of the middle body bilges and running aft with increasing radius and length of arc, all bilges being convex throughout.

2,347,078
CLOSURE FOR FLEXIBLE POCKET RECEPTACLES
Warner R. Buxton, deceased, late of Longmeadow, Mass., by Mabel Allen Buxton, executrix, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application December 22, 1941, Serial No. 423,993
6 Claims. (Cl. 292—281)



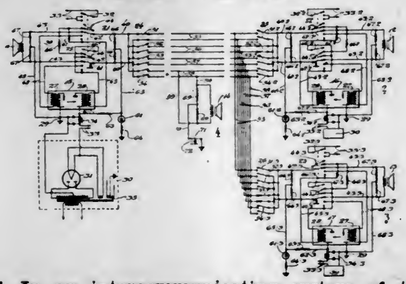
1. In a flexible pocket receptacle made of flexible material and including a closure flap, a fastener therefor comprising a pliable tongue carried by the flap, a pliable strap member carried by one wall of the receptacle and forming, with the underlying portion of said wall, a channel for the reception of the tongue, said tongue and channel being respectively provided with rigidly thickened portions forming interengaging shoulders, the combined thickness of said thickened portions being greater than the corresponding dimension of the undistorted opening of the channel, the unthickened pliable parts of the tongue and channel being sufficiently flexible to permit distortion of said parts to allow said thickened portions to pass over each other, to and from shoulder engaging position.

2,347,079
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application September 7, 1942, Serial No. 457,549
65 Claims. (Cl. 179—37)



1. In an intercommunicating system of the type comprising a station having a communication direction control switch operable to condition the station for reception or transmission and a second station, the combination including, break in signal means at the first station, and means including signal means control circuits and a switch at the second station controlling said circuits so constructed and arranged that the signal means at the first station can be operated from the second station when the first is conditioned for transmission and the second for reception for providing a signal at the station conditioned for transmission that it is desired to break in on the transmission from the station.

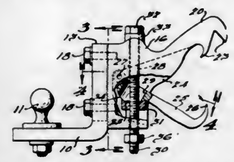
2,347,080
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application December 14, 1942, Serial No. 468,882
19 Claims. (Cl. 179—37)



1. In an intercommunicating system of the type comprising a station having a communica-

tion direction control switch operable alternately to condition the station for reception or transmission over a single circuit and a second station adapted to be connected to the first over said single circuit, the combination including, signal means at the first station, and means including signal means control circuits and a switch at the second station controlling said circuits so constructed and arranged that the signal means at the first station can be operated from the station when the first is conditioned for transmission and the second for reception for providing a signal at the station conditioned for transmission that it is desired to break in on the transmission from the station.

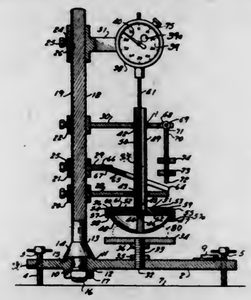
2,347,081
TRAILER HITCH
Joseph Douglas Caton, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 26, 1942, Serial No. 456,134
8 Claims. (Cl. 280—33.44)



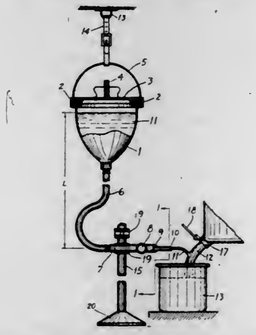
1. A trailer hitch comprising a support having a vertically upstanding portion provided with a horizontally serrated side, a fixed bumper hook member having a base portion provided with a serrated side for mating with said serrated side of said support and having a projecting part adapted to hook over the upper edge of a vehicle bumper or the like, said fixed bumper hook member having a central cavity therein and a vertical bore intersecting said cavity, means coacting with said serrated sides of said support and said hook member for releasably holding the latter in a selected one of a plurality of vertically spaced positions, an opposed movable bumper hook transversely pivoted within said cavity and adapted to hook under the lower edge of a bumper, said movable bumper hook having an opening therethrough of considerable extent and so positioned as to present an open space to the projection of said vertical bore throughout a considerable range of movement of said movable bumper hook about its transverse pivotal axis, a threaded bolt freely passed through said bore and said opening, and a rider nut in threaded engagement with said bolt within the confines of said cavity and in engagement with the lower side of said movable bumper hook.

2,347,082
METHOD AND APPARATUS FOR TESTING DOUGH AND THE LIKE
Wilbur S. Claus, Kansas City, Mo., assignor to Campbell-Taggart Research Corporation, Kansas City, Mo., a corporation of Missouri
Application September 30, 1942, Serial No. 460,315
7 Claims. (Cl. 265—12)

1. In a method of testing the physical properties of a fermenting dough mix, the steps of forming a dough specimen of predetermined size and shape, supporting the dough specimen in unconfined condition on a flat surface, applying a constant compression load to the dough specimen so supported by a spherical surface of larger area than said specimen to compress the specimen and provide for lateral flow thereof, and measuring the reaction of the dough specimen responsive to compression, fluidity, elasticity and change in retained gas pressure.



2,347,083
APPARATUS AND METHOD FOR MARBLEIZING COMESTIBLES OR THE LIKE
Anita N. Connellee and Linwood Connellee, Ottawa, Ill.
Application September 8, 1941, Serial No. 409,988
5 Claims. (Cl. 107—54)

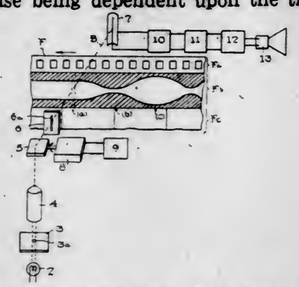


1. A method of marbleizing ice cream or the like, consisting of impinging a plurality of jets of contrasting syrups against a stream of semi-frozen ice cream as the latter issues from a freezer, one of said syrups issuing as a plurality of jets, and a contrasting syrup issuing as a single jet and directed intermediate the said plurality of jets, the velocity of said jets and said stream being substantially constant, the pressure of said jets being sufficient to cause penetration of said stream approximately to the core thereof, said stream thereupon enveloping the syrup jets, the combined stream stratifying or folding into a substantially-level mass in a container and said container placed in a freezing compartment for quick freezing of the ice cream.

2,347,084
NOISELESS SOUND SYSTEM
John R. Cooney, Waldoboro, Maine, assignor to Radio Corporation of America, a corporation of Delaware
Application September 15, 1942, Serial No. 458,393
5 Claims. (Cl. 179—100.3)

1. A method of reproducing sound from a sound track on a record which comprises scan-

ning the sound track in elementary paths transversely of its length, establishing a current pulse for each scanning path, the amplitude of each pulse being dependent upon the transpar-



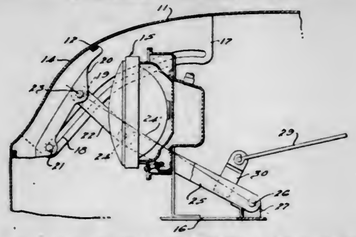
ency of an elementary area of the scanning path at any instant, translating said pulses into pulses of limited uniform amplitude, integrating said translated pulses into a variable current, and translating said variable current into sound.

2,347,085

MOTOR VEHICLE LIGHTING

Walter P. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 10, 1941, Serial No. 414,425
6 Claims. (Cl. 240—7.1)



1. In a motor vehicle having a frontal surface provided with an opening, a lamp registering with said opening, a closure for said opening movable between the lamp and opening to mask and unmask the lamp with respect to the opening, a support for said closure including a main guideway and an auxiliary guideway intersecting the latter, a first guide part secured to said closure and movable in and longitudinally with respect to said main guideway for guiding movement of said closure in a path between masking and unmasking positions as aforesaid and accommodating swinging of the closure about an axis as an incident to movement thereof in said path, toggle linkage for moving said closure, and a second guide part secured to said closure and movable from one of said guideways to the other thereof to accommodate said swinging movement of said closure, said second guide part being movable in said main guideway during movement of said closure in said path.

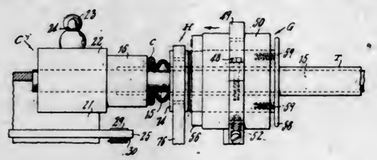
2,347,086

TUBE CORRUGATING MACHINE

Nathaniel H. Curtiss, Clifton, and Thor J. Aamland, Leonia, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 6, 1942, Serial No. 442,000
15 Claims. (Cl. 18—19)

1. A tube corrugating machine for forming annular corrugations successively along a tube, comprising in combination, a tube supporting mandrel, a support for the mandrel, a corrugation holder movable along the mandrel, a tube gripper movable along the mandrel, means for moving the gripper and holder axially of the mandrel in one direction to form a corrugation about the tube, means for moving said gripper in



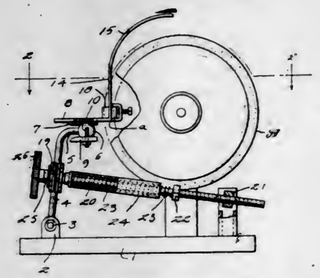
the opposite direction, mechanism operated in synchronized relation with the said last mentioned means for holding said holder into abutting engagement with the last formed corrugation while said gripping means is moved in said opposite direction, and means for moving said holding means in said opposite direction.

2,347,087

SAW RETOOTHER

Herbert P. Deyarmond, Los Angeles, Calif.

Application April 21, 1943, Serial No. 483,933
2 Claims. (Cl. 76—42)



1. In a saw retoother including an abrasive wheel, a post mounted adjacent to and in front of the periphery of the wheel for oscillation relative to the wheel, a saw rest mounted on the post, a bracket secured to and extending laterally from the post, a rod loosely extending at one end through the bracket and threaded through a portion of its other end, a nut threaded upon the rod adjacent the said other end and secured in spaced relation with the bracket, a head upon the rod and upon the side of the bracket opposite from the nut, a bearing member interposed between the head and the bracket, a nut threaded on the rod between the first nut and the bracket, and a spring interposed between the second mentioned nut and the bracket and urging oscillation of the post and saw rest away from the wheel.

2,347,088

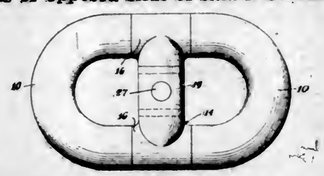
CHAIN LINK

Mortimer Russell Dock, New York, N. Y.

Application March 6, 1943, Serial No. 476,306
14 Claims. (Cl. 59—85)

1. A stud link comprising, in combination, a pair of semi-elliptical end sections, each end of each end section being provided with threads, and a two-piece stud section with each piece comprising a side link portion having opposite ends

provided with mating threads engaged with the threads of opposed ends of said end sections and



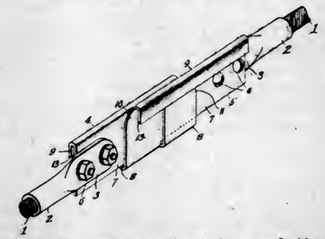
a stud lug extending toward the other stud section piece and fastened to the stud lug of the latter.

2,347,089

ELECTRICAL OR MECHANICAL CONNECTOR

Werner G. Donaldson, Independence, Mo.

Application May 10, 1943, Serial No. 486,443
1 Claim. (Cl. 287—64)



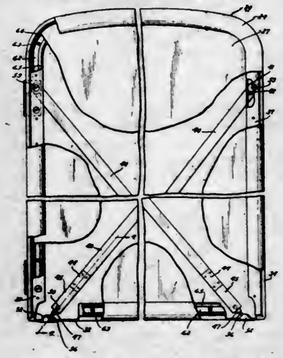
A connector composed of two relatively long, narrow and thin strips of resilient material fitting sidewise flatly together in overlapped relation for a substantial portion of their length and provided at corresponding longitudinal edges with narrow longitudinal hooks of substantially the full length of the strips, the hooks projecting laterally in opposite directions; the overlapping ends of the shanks of the strips having hooks springing laterally in opposite directions from their other longitudinal edges and projecting into the channels of the first-named hooks of the companion shanks respectively.

2,347,090

REFRIGERATING APPARATUS

Earl D. Drake, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application September 18, 1942, Serial No. 458,827
2 Claims. (Cl. 20—35)



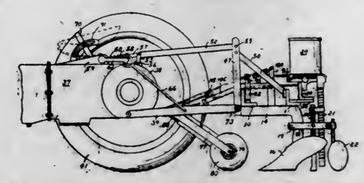
1. A door of the class described comprising inner and outer panels with heat insulation therebetween, said outer panel formed of relatively thin sheet material of pan-like conformation including top, side and bottom walls bent inwardly to form a peripheral ledge about the door, a frame secured to said ledge and extending about said door to stiffen the outer panel, straps extending diagonally across said door within said insulation, one end of each strap fixedly secured to said frame and their opposite ends having individual adjustable means for securement to a wall of said outer panel, each of said adjustable means independently operable to tighten a respective strap sufficiently to stiffen said outer panel into a fixed rigid position.

2,347,091

PLANTING MECHANISM

William Elliott, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr., a corporation of Nebraska

Application February 16, 1942, Serial No. 431,025
5 Claims. (Cl. 111—52)



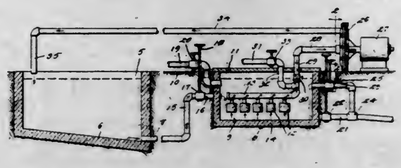
1. In a planting mechanism comprising a frame adapted to be raised and lowered, the combination of planting units mounted on the rear of said frame and comprising a seed dispensing hopper, said frame comprising an arm extending forwardly from the main portion of said frame, a second arm pivoted to said first arm and extending downwardly and rearwardly, a ground wheel on the end of said second arm, driving connections between said wheel and said seed dispensing hopper, a bell crank lever pivotally secured to said frame, said bell crank lever having a long arm connected at its forward free end to said second arm and extending in a generally horizontal direction, said bell crank lever also comprising a relatively short arm extending in a generally vertical direction, and yieldable biasing means acting on the end of said short arm to bias said ground wheel downwardly.

2,347,092

CIRCULATING AND FILTERING SYSTEM FOR SWIMMING POOLS AND THE LIKE

Richard D. Evans, St. Louis, Mo.

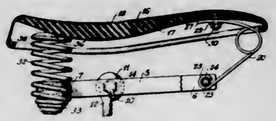
Application April 24, 1941, Serial No. 390,189
3 Claims. (Cl. 210—11)



1. In a filtering system, a pool forming chamber, a filtering chamber spaced from the pool chamber, a pump mounted above the liquid level of the said chambers, a liquid feed conduit having connection with the outlet of the pump and

discharging into the pool chamber, filter means mounted within the intermediate portion of the filter chamber, a conduit connecting the said filter means with the intake of the pump adapted to create suction through the filter means, a valve controlled conduit connecting a drain outlet at the bottom of the pool chamber with the filter chamber, and a liquid supply conduit opening into the filter chamber.

2,347,093
SADDLE CONSTRUCTION
Roland W. Faulhaber, Monroeville, Ohio, assignor to The Faulhaber Company, Monroeville, Ohio, a corporation of Ohio
Application January 20, 1938, Serial No. 185,940
22 Claims. (Cl. 155—5.22)



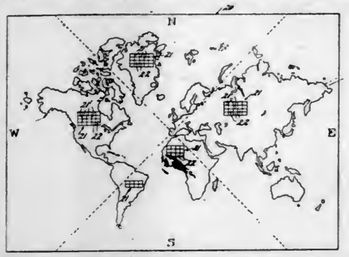
3. In a saddle construction, means to secure a coil spring between a seat and a reach comprising a reach portion bent to provide an arcuate wall section with the axis thereof extending vertically, spaced apertures formed in said arcuate wall section with one convolution of said spring extending through said apertures and portions of said convolution disposed outside said arcuate wall section.

11. A saddle for bicycles and the like comprising a pair of combined tension and compression springs mounted on a reach member, a U-shaped bail having its free ends secured to the free ends of the tension parts of said springs, a nose coil secured to the opposite end of the reach and having rearwardly extending ends looped around into engagement with said U-shaped bail whereby said reach, said combined tension and compression springs, said bail and said nose coil provide an assembled unit, and said assembled unit being secured to said seat member.

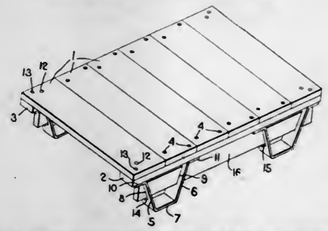
20. A saddle construction including a seat, a reach and a saddle post, means including a spring connecting said reach to said seat, an intermediate portion of said reach comprising spaced substantially parallel metallic strips each having a width exceeding its thickness with the width arranged substantially vertically, said strips being formed with aligned openings, said saddle post having a hook end disposed between said strips and a fastening member extending through the aligned apertures in said strips and through the hook end in said saddle post and clamping said strips laterally against the hook end of said saddle post.

2,347,094
GAME
Philip C. Fernandez, Boston, Mass.
Application June 30, 1943, Serial No. 492,940
1 Claim. (Cl. 273—130)

A game comprising a game board having a map of the world depicted on its playing surface, said map being divided into a plurality of zones, one zone for each player, each zone including land and sea areas, each zone having a portion or portions thereof constituting an occupational area, such occupational areas in the several zones being equal, each occupational area being divided into an equal number of sections to receive territorial pieces in the play of the game, the remainder of each zone being available to receive both attacking and defending armament pieces in the play of the game.

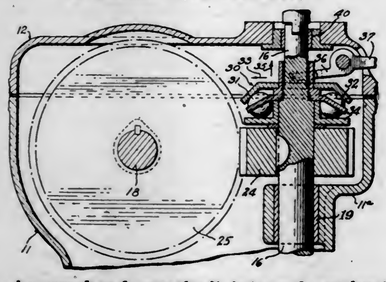


2,347,095
PORTABLE INDUSTRIAL SKID
Frank Garbarino, Waltham, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application May 31, 1943, Serial No. 489,205
4 Claims. (Cl. 248—120)



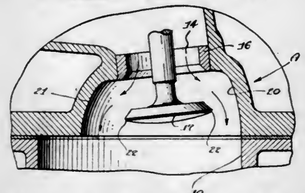
1. A knockdown portable skid comprising a platform having transverse floorboards, bolsters underlying and secured to the respective end portions of the floorboards, legs mounted on the respective bolsters in proximity to the ends thereof having girder-receiving recesses and reinforcing girders having end portions insertable into and fitting said recesses supported by said legs and having portions intermediate of said legs engaging the under surfaces of the respective bolsters.

2,347,096
ENGINE
Earl Ginn, North Muskegon, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 9, 1941, Serial No. 414,271
3 Claims. (Cl. 123—195)



1. An overhead camshaft internal combustion engine having a plurality of aligned engine cylinders, an engine block carrying said engine cylinders, a gear case secured to the end of the engine block, a crankshaft supported by said engine block, a cylinder head structure secured to said engine block and projected beyond one end of the engine block to form a gear housing overlying said gear case, a cylinder head cover closing the top opening of said cylinder head and said gear housing, a drive shaft supported by said gear case and directly drivingly connected at one end thereof with said crankshaft, the other end portion of said drive shaft extending into said gear housing and supported by spaced bearings carried respectively by said cylinder head structure and said cylinder head cover, an engine speed governor supported in said gear housing and operatively connected with and axially aligned with said drive shaft axis, a camshaft supported in said cylinder head structure and overlying said engine cylinders, said camshaft having an end extension projected into said gear housing, and means supported in said gear housing for directly drivingly connecting said drive shaft with said camshaft.

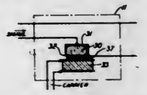
2,347,097
CYLINDER HEAD AND COMBUSTION CHAMBER CONSTRUCTION
Earl Ginn, North Muskegon, Harold Leslie Casselman, Muskegon, and Dana A. Campbell, Spring Lake, Mich., assignors to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application April 9, 1942, Serial No. 438,244
2 Claims. (Cl. 123—191)



2. A cylinder head construction for an overhead valve internal combustion engine, comprising a combustion chamber overlying the engine cylinder, valves opening inwardly of the combustion chamber and substantially axially inwardly of the engine cylinder, said valves being of maximum diameter and having peripheral edges lying closely adjacent to the side walls of the combustion chamber when closed, said combustion chamber side walls adjacent said valve peripheral edge curved inwardly of the cylinder walls and outwardly concave whereby to provide a space between the valve peripheral edge and the combustion chamber wall in juxta-position thereto whereby to provide an unrestricting clearance therebetween increasing at a rate at least as great as the rate of increase of the space between the valve and its seat during the opening movement of the valve whereby to induce a substantially uniform flow of gas past the peripheral edge of said valve.

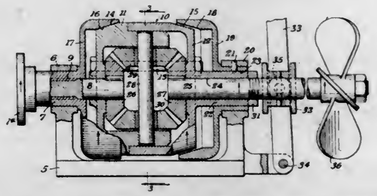
2,347,098
ELECTRICAL WAVE MODULATION
Estill I. Green, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1942, Serial No. 426,140
5 Claims. (Cl. 179—171.5)

1. A modulating system comprising a source of signal frequency electrical waves, a load circuit and in series therewith a resistance contact whose resistance value is variable with variation



of contact pressure, and means to vary the contact pressure at the frequency of the wave to be modulated.

2,347,099
REVERSE GEAR
George O. Gridley, Berlin, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application June 24, 1941, Serial No. 399,433
2 Claims. (Cl. 74—297)

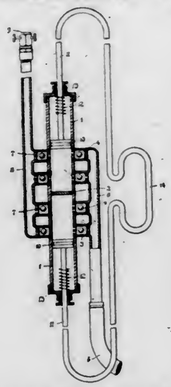


1. In a reversing gear, a frame, a member fixed thereon and having a braking face, a driving member rotatable relatively to said frame and having a driving face, a shiftable cage comprising a pair of cup-like members axially interengageable with each other and secured together and defining an internal open space, each of said cup-like members having a face for engagement with one of the aforesaid faces, a gear within said space in said cage, means for driving said gear with said rotatable driving member, an axially shiftable propeller driving shaft engageably mounted for axially shiftable movement with said cage, a gear rotatable with said propeller driving shaft and positioned in said space in said cage, a third gear in said space and constantly meshing with said two first mentioned gears, and means for shifting said propeller driving shaft and cage axially to cause the separate faces on the latter to alternately engage said driving and braking faces, whereby the propeller thrust will urge said faces on said cage into engagement with said driving face or said braking face depending on the direction of rotation of said propeller driving shaft.

2,347,100
PORTABLE HAND-OPERATED PUMP
Alfred John Grocott, Blackley, England
Application December 18, 1942, Serial No. 469,414
In Great Britain December 22, 1941
2 Claims. (Cl. 103—172)

1. A pump to be carried by the user and also to be worked by him while directing the jet in line with the pump, and capable of drawing water to the pump from a distance, comprising a cylindrical barrel, a rigid supply pipe on one side of said barrel and parallel therewith for connection to a source of liquid supply, and directed toward one end of said barrel, a rigid delivery pipe on the opposite side of said barrel, said pump barrel being divided midway of its length into two separate chambers, each of said chambers having one way inlet-valves connected to said supply pipe, and opposite thereto one way valves con-

nected to said delivery pipe, each chamber of said pump barrel having a plunger and both being



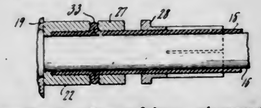
operated in different directions at the same time by a handle operated by one hand while the pump is held and the jet directed.

2,347,101

METHOD OF MAKING CORRUGATED TUBES

Watson G. Harding, Radburn, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 20, 1941, Serial No. 394,278
5 Claims. (Cl. 18—56)



1. The method of making circumferentially corrugated tubes comprising the steps of surrounding a mandrel with a tube to be corrugated, circumferentially confining the tube at one end against outward radial expansion and longitudinal movement in the direction in which such end extends, confining the tube against radial outward expansion at a distance from said first mentioned confined portion and leaving the portion of the tube between the confined portions free to expand radially, moving the last confined portion towards the first confined portion so as to form a corrugation between the confined portions, forming successive corrugations by repeating the steps of holding the last formed corrugation against longitudinal movement in respect to the mandrel, holding the tube against longitudinal movement in respect to the mandrel at a distance from the corrugation, releasing the corrugation and circumferentially confining the tube against outward radial expansion at a distance from the corrugation, and moving the circumferentially confined portion towards the corrugation.

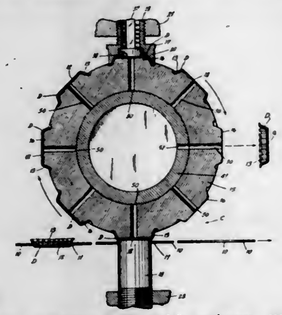
2,347,102

MACHINE FOR RESHAPING USED BOTTLE CAPS

William H. Hartmann, St. Louis, Mo., assignor to Anheuser-Busch, Incorporated, St. Louis, Mo., a corporation of Missouri

Application October 15, 1942, Serial No. 462,148
11 Claims. (Cl. 113—38)

1. A machine for reshaping used bottle caps comprising a rotary member having a series of circumferentially spaced die members thereon, a plunger member and a die member spaced apart around the circumference of said rotary member and reciprocable radially thereof, means for imparting a rotary indexing movement to said rotary member to bring the die members thereof successively into axial alinement with said plunger and reciprocable die member, respectively, means operable during the indexing movement of said rotary member for positioning a cap in line with said plunger, means operable in the stationary position of said rotary member to engage said plunger with said cap and seat the latter on the die member in line with said plunger and then return said plunger to inoperative position, means operable during the



stationary position of said rotary member to move said reciprocable die member into engagement with the cap seated on the die member in line with said reciprocable die member, to thereby reshape said cap, and then return said reciprocable die member to inoperative position, said cap positioning means comprising an endless conveyor, power operated means for operating said conveyor, said rotary member and said plunger and reciprocable die member in proper timed relation, fluid pressure means for stripping the caps from the die members of said rotary member when they move clear of said reciprocable die member, and means for impressing a mark on the caps during the engagement thereof by said reciprocable die member.

2,347,103

POLYSTYRENE COMPOSITION

Ralph F. Hayes, North Wilbraham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,515
10 Claims. (Cl. 260—23)

6. A molding composition comprising a mixture of polystyrene and decachlordiphenyl, and characterized by having a heat distortion temperature above that of the polystyrene.

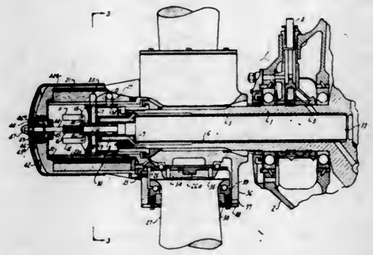
2,347,104

COMBINED SPEED AND VELOCITY RESPONSIVE VARIABLE PITCH PROPELLER MECHANISM

Walter S. Hoover, Montreal, Quebec, Canada

Application March 14, 1941, Serial No. 383,390
11 Claims. (Cl. 170—163)

1. A variable pitch propeller mechanism comprising a propeller hub adapted for mounting on the end of the engine shaft, a propeller blade mounted for rotary movement about its own axis in said hub, said blade having an end gear, a pitch actuating mechanism mounted on said propeller hub consisting of a housing forming an extension on said hub, a rotor mounted in said housing, a master gear engaging the end gear of the blade keyed to the rotor to be movable therewith, a stationary valve element having flow passages for routing fluid to said rotor, a movable valve element controlling the flow of fluid to the rotor, flyweights mounted on the stationary valve element for engaging the movable valve element to actuate the latter in response to speed variations of the engine shaft, a speeder spring normally biasing said valve against the action of the flyweights, said spring being preloaded to



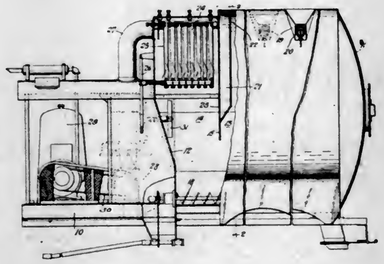
maintain the flyweights inactive below a predetermined speed, a conduit in the engine shaft for routing the lubricating fluid of the motor to said valves, the conduit being spaced from the engine shaft to form a fluid flow passage to the valves, and the interior of the conduit constituting a return passage for the fluid to the engine sump, a nose plate externally of the actuator housing, a spring plate attached to be movable therewith, said spring plate being adapted to increase the load on the speeder spring whereby the pitch setting is regulated in response to the wind pressure on the nose plate.

2,347,105

CONVEYING APPARATUS

Philip R. Hornbrook, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware

Application June 19, 1941, Serial No. 398,707
5 Claims. (Cl. 302—59)



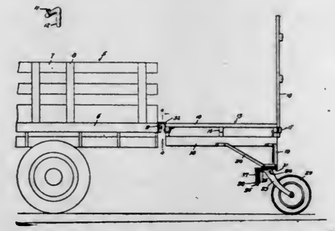
1. In apparatus for conveying pulverulent and like materials, including a receiver for the material, an exhauster for establishing reduced pressure in the receiver to draw a stream of air and material into the receiver, and an internal combustion engine for operating the exhauster, the combination of a rotatable paddle within the receiver, a shaft for the paddle extending through a wall of the receiver, means connected to the shaft for rotating the shaft and paddle, so long as movement of the latter is unobstructed by material in the receiver, means connected to the control circuit of said engine for preventing operation of the engine when the paddle is at rest, and means movable with the paddle and operable on such movement to render ineffective said means connected to the control circuit.

2,347,106

TRUCK TRAILER

William S. Howell, Lafayette, N. J.

Application June 19, 1942, Serial No. 447,685
1 Claim. (Cl. 280—33.4)



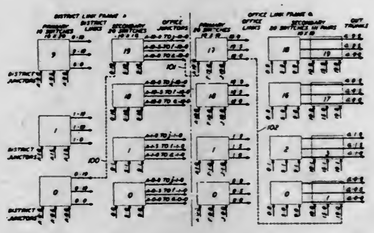
In combination, a truck body, a trailer structure, connecting means between the trailer structure and the truck body and wheels for the trailer structure, said trailer being provided with down turned hook members, said truck body being provided with vertical sockets in which the hook members may be entered downwardly, and key means for locking the hook members to the socket structure comprising keyhole slots in said sockets extending lengthwise across the same, and angle-type keys rotatable on said members and operative under the influence of gravity to interlock with said keyhole slots.

2,347,107

SWITCHING SYSTEM

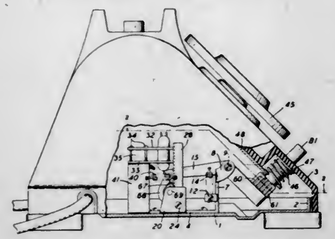
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 22, 1942, Serial No. 455,739
13 Claims. (Cl. 179—18)



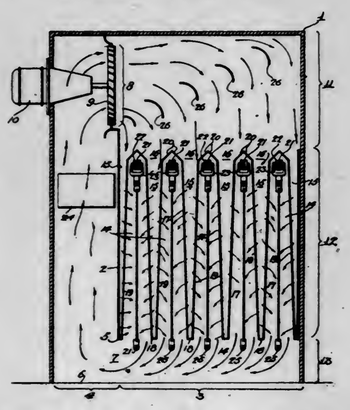
1. In a telephone system, a district junctor, a plurality of trunk circuits, a plurality of channels, each comprising a plurality of switch-ended links by which said junctor may be connected to said trunk circuit, means for identifying an idle trunk, means under the control of said identifying means to position the switches of idle links included in the channels having access to said trunk, and means in said district junctor for selecting an idle channel.

2,347,108
CALL TRANSMITTER FOR TELEPHONE SIGNALING SYSTEMS
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 5, 1943, Serial No. 474,782
17 Claims. (Cl. 179—90)



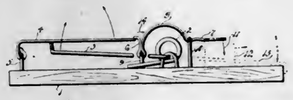
1. The combination in a telephone system, of a subscriber's line and a substation on said line comprising a telephone subset having a telephone handset, a source of alternating current connectable to said line when the handset at said substation is removed from its support, means at said substation for selectviely suppressing the half waves generated by said source comprising a pair of oppositely poled rectifiers, a transfer switch assembly for each of said rectifiers comprising a mercury contact switch which functions, when operated, to transfer said line from said subset to its respective rectifier, and key controlled means for selectively operating said mercury contact switches.

2,347,109
LEATHER DRIER
Alpheus O. Hurxthal, Wyncote, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application January 30, 1942, Serial No. 428,943
3 Claims. (Cl. 34—158)



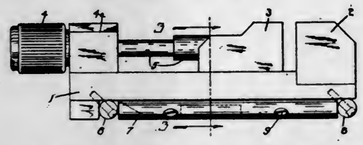
1. A tunnel drier for leather and like units, formed with a plurality of longitudinally elongated vertical closed top channels in parallel side by side relation and a plurality of open top coextensive air chambers intermediate and laterally adjacent said channels in alternating relation thereto and with a distributing chamber above said alternating chambers and channels in constant direct communication with all of said open top chambers, said drier comprising perforated side walls common to immediately adjacent channels and chambers, top walls respectively closing said channels against direct communication with said distributing chamber, said top walls being connected to said perforated side walls and therewith defining said channels and chambers respectively, means for producing air pressure in said chambers to escape through the perforations in said common side walls into said channels as a multiplicity of air jets directed in opposite directions toward the central vertical planes of the respective channels, a series of flat expansive unit-supporting frames adapted to pass through said channels from end to end thereof substantially coincident with the central planes of the respective channels in intersecting relation to said oppositely directed air jets, and a supporting rail for said frames extending longitudinally throughout the length of each channel.

2,347,110
MOUSETRAP
Charles Hutchinson, Kamloops, British Columbia, Canada
Application June 9, 1941, Serial No. 397,338
2 Claims. (Cl. 43—81)



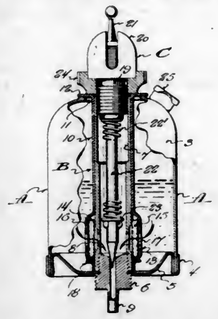
1. In a mouse trap, and in combination with a conventional mounting board, spring, breakback yoke, setting rod, and rod release element; a bait holder spanning said spring, said rod release element and said bait holder being integral and pivoted for vertical movement about a common point, and a stop for determining the upward limit of movement of said bait holder during the act of inserting a piece of bait between said bait holder and said mounting board said bait holder being so arranged that when it is in engagement with said stop, said release element will be in a position to engage and hold said rod in set position.

2,347,111
SINE VISE
John Jesionowski, Hartford, Conn.
Application August 20, 1941, Serial No. 407,585
8 Claims. (Cl. 90—59)



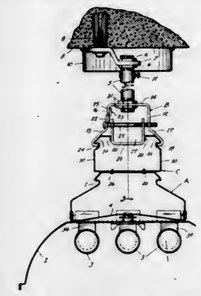
1. A sine vise having a base, clamping jaws on the upper face thereof including a jaw movable lengthwise of said base, transverse rolls at opposite ends of the bottom of said base, and longitudinal rolls extending along the longitudinal edges of the bottom of said base, one of said transverse rolls terminating short of said longitudinal rolls and the other having bevelled ends disposed in adjacency to like bevelled ends on the adjacent end of said longitudinal rolls.

2,347,112
GRAVITY FEED OILER
Oscar H. Jung, Milwaukee, Wis.
Application February 14, 1942, Serial No. 430,862
7 Claims. (Cl. 184—82)



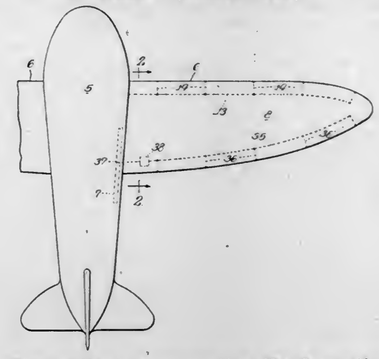
1. A gravity feed oiler comprising a reservoir provided with a drain opening, a filter unit for said opening, said unit projecting through said reservoir for removal from the exterior of said reservoir, and quick detachable means operable from the exterior of said reservoir for locking the filter unit in operative position.

2,347,113
ELECTRIC LIGHTING FIXTURE
Harry C. King, Cincinnati, Ohio, assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application December 24, 1942, Serial No. 469,981
4 Claims. (Cl. 248—343)



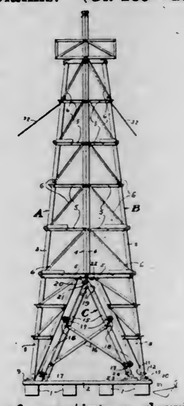
1. A continuous overhead type electric lighting fixture comprising a suspension support, a main longitudinal wiring housing and a supplemental longitudinal wiring housing seated on top of said main housing and separably secured thereto, each of said housings having outstanding ribs on opposite sides thereof of substantially identical size and shape, said support having depending portions that are adapted for engagement with the ribs of said supplemental housing when said main and supplemental housings are used together and are adapted for engagement with the ribs of said main housing when said supplemental housing is dispensed with, said support including screw means for drawing the depending portions thereof towards each other into clamping engagement with ribs of said housings, said supplemental housing having an opening in the top thereof, and a strut member disposed in and extending from side to side of said opening and supported by said screw means.

2,347,114
METHOD AND MEANS FOR PREVENTING ICE FORMATION ON SURFACES
John D. Larson, Hinsdale, Ill.
Application October 13, 1941, Serial No. 414,730
7 Claims. (Cl. 244—134)



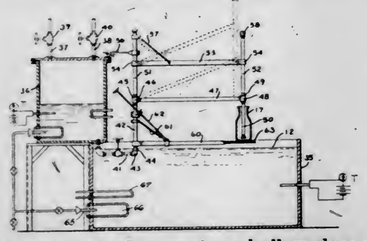
1. The method of preventing the formation of ice on a surface exposed to temperature and humidity conditions normally productive of ice, which comprises subjecting said surface to a direct electric current of low amperage and high voltage to thereby induce on said surface a positive electric potential capable of raising the electrical charge of liquid particles contiguous to said surface to a positive potential status.

2,347,115
DERRICK CONSTRUCTION
Thomas B. Lewis, Wichita Falls, Tex.; Leona Wilson Lewis, community administratrix of said Thomas B. Lewis, deceased, assignor of one-third to James C. Davis, Jr., Fort Worth, and one-third to Frank N. Lewis, Phillips, Tex.
Application October 18, 1941, Serial No. 415,615
13 Claims. (Cl. 189—15)



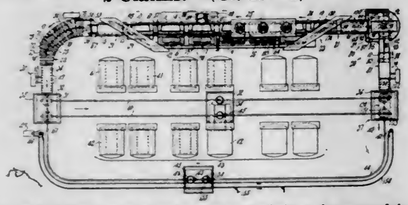
1. A process of erecting a derrick from prefabricated derrick sections, comprising attaching one of said derrick sections substantially in a prone position to a mounting member, simultaneously swinging said mounting member and section in an upward direction relative to a stationary surface with the mounting member moving relative to said section substantially to an upright position, and thereafter moving said derrick section into an erected position and securing the same directly to said stationary surface.

2,347,116
METHOD OF TEMPERING GLASS ARTICLES
Jesse T. Littleton and Ralph K. Day, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application June 24, 1937, Serial No. 150,172
5 Claims. (Cl. 49—89)



3. In a method of tempering a hollow glass article having side walls and a bottom which includes heating the article to a temperature near the softening temperature of the glass from which it is made and rapidly chilling the article to set a permanent condition of strain therein, the steps of chilling the exterior of the article by fluid contact and introducing the chilling fluid into the interior of the article before chilling fluid is applied to the exterior of the article.

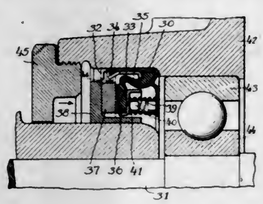
2,347,117
APPARATUS FOR PRODUCING RUBBER ARTICLES
Eugene A. Luxenberger, George W. Blair, and John F. Schott, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 2, 1940, Serial No. 349,748
2 Claims. (Cl. 18—4)



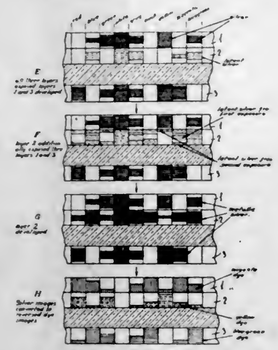
1. Molding apparatus comprising in combination a support, mold-conveying means movable continuously along the support, a mold adapted to travel along said support in open position, means for connecting the mold to the conveying means, mold filling means disposed above the level of the mold, a support for said filling means disposed along said support, said filling means being adapted to travel along said last mentioned support, a closing station located after the limit of travel of the filling means as regards the direction of movement of the conveying means, and means responsive to movement of the mold to said station for closing the mold while the mold is moving continuously along the support.

2,347,118
SEALING UNIT
Albert J. Matter, Park Ridge, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application October 27, 1942, Serial No. 463,483
2 Claims. (Cl. 286—11)

1. A bearing seal unit comprising, a cup-shaped container having a central opening to clear a shaft, a cylindrical member secured within said container and having its inner end formed as a flange spaced from the bottom of said container, an anti-friction ring in the open end of said container held in non-rotatable relation with respect thereto, said ring having an accurately formed face at right angles to the longitudinal axis of said container, a compressible sealing member having an outer circumferential flange gripped between said annular flange and the bottom of said container and having an inner circumferential flange in a plane displaced axially from the plane of said outer flange and bearing against the inner face of said ring, said seal being normally under compression axially to tend to press said ring outwardly, a backing ring between which and said first mentioned ring a part of said compressible member is confined, said backing ring having a cylindrical flange to prevent inward deformation of an intermediate part of said compressible member, and helical springs between said backing ring and the bottom of said container.

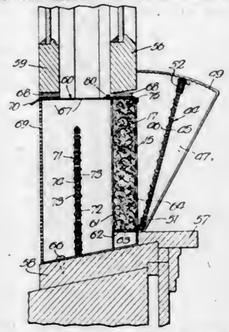


2,347,119
PROCESS FOR PRODUCING PHOTOGRAPHIC MULTICOLOR PICTURES
Walter Michaelis, Camp de St. Cyprien (P. O.), France; by decree of distribution to Hella Michaelis, assignor, by mesne assignments, to Chromogen, Incorporated, a corporation of Nevada
Application November 15, 1940, Serial No. 365,830
In Switzerland November 15, 1939
14 Claims. (Cl. 95—2)



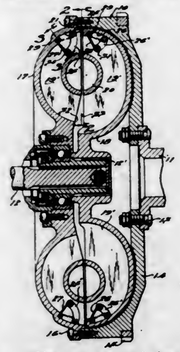
1. A process for producing subtractive multicolor pictures composed of a plurality of registering dye images produced within the inseparably united silver halide emulsion layers on the support of a multi-layer light-sensitive material and formed of dyes having overlapping absorption characteristics; which comprises producing latent images of the part-images of the multicolor picture, forming each latent part-image in its corresponding silver halide emulsion layer; developing the latent image in one of the layers to form a metallic silver image therein without adversely affecting the light-recording properties of another of said silver halide emulsion layers; exposing said other layer through said metallic silver image to supplement the latent image already recorded in said other layer; developing said other layer to form a metallic silver image therein; and converting the metallic silver images into reversed dye images of the different colors respectively.

2,347,120
DUST TRAP WINDOW VENTILATOR
John L. Mohun, Chicago, Ill.
Application September 7, 1940, Serial No. 355,843
13 Claims. (Cl. 98—99.3)



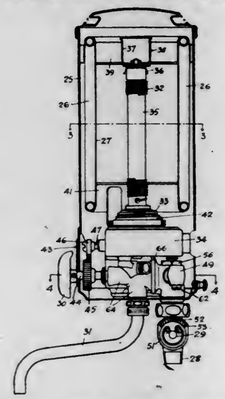
1. In a window ventilator a frame comprising a box of rectangular cross-section having an air inlet and an air outlet, a screen in the air inlet, a filter in the outlet removably retained in a vertical position by a frame, a movable scrubber associated with the filter, a fixed scrubber interposed between the screen and the filter, said fixed scrubber comprising a section of rigid material covered with a hairy felt-like material.

2,347,121
FLUID COUPLING
Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application June 9, 1939, Serial No. 278,185, now Patent No. 2,267,476, dated December 23, 1941. Divided and this application September 10, 1941, Serial No. 410,229
7 Claims. (Cl. 60—54)



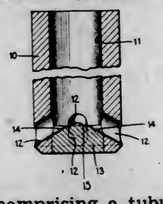
1. A fluid coupling comprising relatively rotatable impeller and runner members each of which is of semi-toroidal form and is provided with regularly spaced radial vanes interrupted by a vortex chamber circumferentially disposed between the axial and peripheral extremities of the vanes, thereby to provide cyclic coupling fluid passages between the members, and means for disrupting the flow through the passages comprising a plurality of gate elements mounted in at least one of said members, said gate members being mounted between the vanes defining each passage for swinging movement from a position transverse thereof into a position substantially continuous with the flow path defined by the wall of the member, and spring means incorporated with each gate element and biased to urge the element into its transverse and flow-disrupting position.

2,347,122
ELECTRIC WATER HEATER
Alexander Peet, Luton, England
Application November 30, 1942, Serial No. 467,322
In Great Britain January 24, 1942
20 Claims. (Cl. 219—39)



1. An electric water heating apparatus comprising one or more main electric heating elements and one or more auxiliary or pilot electric heating elements, a metallic corrugated shell surrounding said elements, a circuitous water heating pipe fitted in the corrugations of said shell, means for controlling the flow of water through said pipe, and means for controlling the electric current supply to said elements.

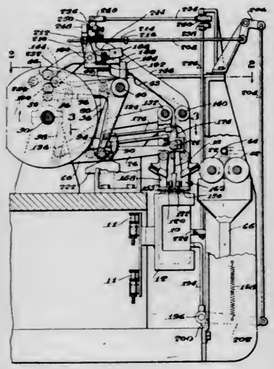
2,347,123
BEVERAGE DRAFT APPARATUS
Ralph A. Riesgo, New York, N. Y.
Application June 8, 1942, Serial No. 446,242
2 Claims. (Cl. 225—3)



1. A tap rod comprising a tubular member of annular cross-section having a central bore substantially of uniform diameter throughout and a closed end, and means forming a plurality of angularly related, upwardly inclined and converg-

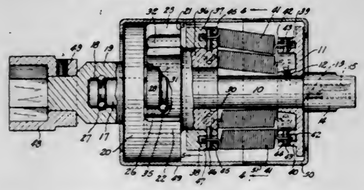
ing apertures extending inwardly through the sides of said member and through the closed end to form open, inclined, converging channels in said closed end extending from the sides of said member substantially to the center of said closed end, said rod being free from internal shoulders and corners wherein solids and colloids can lodge and having all inner surfaces in the line of flow of the liquid through said apertures, channels and bore.

2,347,124
PACKAGING MACHINE
George A. Robinson, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application May 16, 1941, Serial No. 393,853
12 Claims. (Cl. 91—47)



1. In a packaging machine, in combination, means for supporting a container having extended closure forming portions, a pair of adhesive applying members movable into and from engagement with the interior surfaces of the walls of said closure forming portions to perform the applying operation, means for contracting said members to facilitate insertion within said walls, and means for expanding said members after insertion whereby to permit the application of adhesive to the desired portions of the interior surfaces of said closure forming portions.

2,347,125
POWER-DRIVEN TOOL
Girard C. Robinson, Maywood, Ill., assignor to Girard Manufacturing Products, Inc., Maywood, Ill., a corporation of Illinois
Application May 11, 1942, Serial No. 442,492
9 Claims. (Cl. 192—30.5)



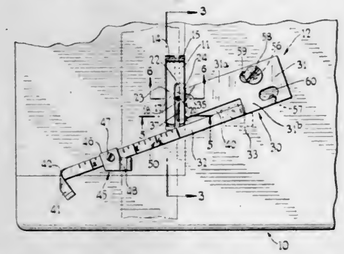
1. In a power driven tool construction, a tool holder having a rotatable part formed with stop means spaced radially outwardly from the axis of rotation, a rotatable driving member having a circular opening therein and normally having a driving engagement with said stop means releasable by radial movement of said member out of engagement with said stop means, means including a driving spindle having an eccentric rotatable within said circular opening of said driving member for effecting said radial movement when said tool holder encounters a predetermined resistance to movement, and means including at least one helical spring connecting the driving spindle with said driving member, said spring being positioned to be longitudinally stretched and laterally deflected when resistance is encountered and to cause automatic re-engagement of said member with said stop means after release, and said spring being resistant to lateral deflection during normal operation and forming the sole driving connection between the spindle and driving member.

2,347,126
CONCRETE FORM AND HOLDER
Emil J. Rohrer, Kansas City, Mo.
Application July 23, 1942, Serial No. 451,991
5 Claims. (Cl. 72—122)



1. In a form of the character described, a post, a bracket adjustable vertically on the post having spaced members engaging said post, a set screw in the bracket engageable with the post for holding the bracket in adjusted position, and means on one of the post engaging members extending laterally and upwardly from the post and cooperating therewith to provide an upwardly diverging form seat therebetween.

2,347,127
WORK GUIDE FOR SEWING MACHINES
Julius Rosenzweig, New York, N. Y.
Application June 6, 1942, Serial No. 446,002
6 Claims. (Cl. 112—144)



2. A work guide for a sewing machine comprising a member having a flat portion adapted to contact the top of the work plate of the sewing machine, and an arm parallel to said flat portion, said member being formed with a slot between said arm and said flat portion, said arm extending beyond said flat portion, said arm being formed at its outer end with a fixed stop, said flat portion being formed with an upwardly projecting portion adapted to engage within the slot of a presser foot, said flat portion being formed with a slot

to receive means for fastening said member to the work plate of the sewing machine, said flat portion being furthermore formed with a shoulder parallel to said projection and adapted to engage the presser foot, and adjustable guide means on said arm adapted to be moved into the slot in said member.

2,347,128
PRODUCTION OF DITHIOCARBAMATES
William F. Russell, Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 25, 1943, Serial No. 488,439
6 Claims. (Cl. 260—500)

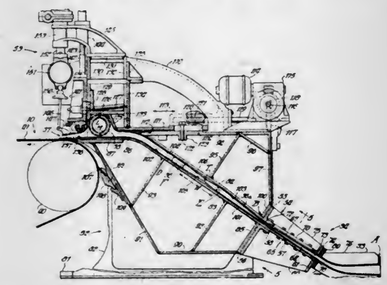
1. In the production of selenium salts of dithiocarbamic acids, the improvement which comprises reacting a secondary amine and carbon disulphide with selenium dioxide in alcoholic solution.

2,347,129
WATCH INDICATOR
Jonah Salit, New York, N. Y.
Application July 15, 1941, Serial No. 402,456
9 Claims. (Cl. 116—133)



1. In combination, a dial instrument, a crystal, a head mounted thereon, a transversely sliding indicator associated with said head and cooperating therewith for varying the degree of visibility of said indicator, and means for holding said indicator in position after it is fully exposed.

2,347,130
INLET SYSTEM FOR PAPER MACHINES
Frederick S. Seaborne, Harrison, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application January 29, 1941, Serial No. 376,460
2 Claims. (Cl. 92—44)



1. In paper making apparatus, a forming wire, and inlet means for delivering a uniform, evenly mixed stream of liquid stock to and across the breadth of said wire, said inlet means comprising stock supply means, a nozzle for discharging stock on said wire, an elongated closed conduit having a passageway of slot-shaped cross-section connecting said stock supply means and said nozzle, the major dimension of said slot approximating the width of the stock stream discharged through said nozzle, the minor dimension of said slot in a zone spaced from said discharge means, being constricted in a manner to provide the passageway with a Venturi-shaped portion.

2,347,131
MANUFACTURE OF LEAD OXIDES
Ralph L. Seabury and Robert A. Daily, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application December 22, 1939, Serial No. 310,554
6 Claims. (Cl. 23—146)

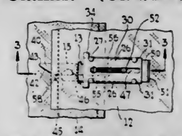
1. In a process of converting Barton litharge, which comprises a mixture of yellow litharge and red litharge together with some metallic lead, to substantially pure red litharge; the steps of heating the Barton litharge in the loose condition in an oxidizing atmosphere to a temperature between 100° F. and 212° F. and simultaneously supplying water thereto in quantities of 7% or less of the total weight of litharge, said heating stage being carried out for a time sufficient to convert substantially all of the yellow litharge to red litharge.

2,347,132
MANUFACTURE OF RED LITHARGE
Ralph L. Seabury, Anderson, and Robert A. Daily, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1941, Serial No. 395,674
6 Claims. (Cl. 23—146)



1. In the process for converting Barton litharge, which comprises a mixture of yellow litharge and red litharge and some metallic lead, to substantially all red litharge, the steps comprising; adding water at substantially room temperature to the Barton litharge in percentages of .5 to 7% of the total weight of the litharge, and then mixing the water and Barton litharge for a time sufficient to cause substantially all of the Barton litharge to be converted to red litharge.

2,347,133
SHIRT ALIGNING DEVICE
Louis Eaton Shaw, East Orange, N. J., assignor to Caesar A. Calder, Verona, N. J.
Application February 25, 1943, Serial No. 477,055
15 Claims. (Cl. 24—239)



1. A device of the character described comprising a member having a tongue portion adapted to pass through a buttonhole in a shirt and

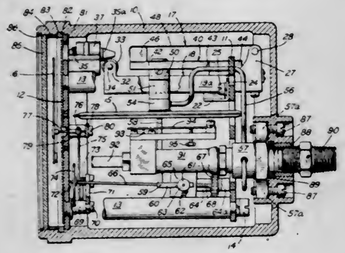
formed with a notch in one side thereof, and a second member slidably mounted longitudinally on the first member and having a latch portion lying alongside and extending longitudinally of said tongue portion and adapted to close said notch the end of said latch portion adjacent said notch being exposed, whereby said end may be contacted and said latch pushed back to expose said notch.

2,347,134

TEMPERATURE COMPENSATION MEANS FOR PRESSURE ACTUATED INDICATORS

Alfred E. Sidwell, Kew Gardens, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application June 29, 1938, Serial No. 216,580
12 Claims. (Cl. 73—179)



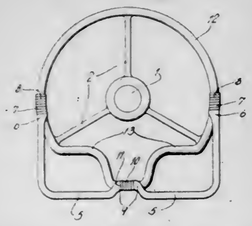
1. In a device of the character described, means responsive to a pressure differential, and means responsive to change of temperature affecting said device and effective only upon a rapid rate of change of temperature for bodily shifting said differential pressure responsive means to compensate errors which would otherwise be produced by changes in said temperature.

2,347,135

DEVICE FOR STEERING AUTOMOTIVE VEHICLES

Robert Armstrong Smith, Mahwah, N. J.

Application July 21, 1942, Serial No. 451,691
8 Claims. (Cl. 74—552)



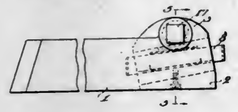
1. In combination with a steering wheel, a supplemental hand grip extending outwardly beyond the rim of said wheel, means for operatively affixing said grip to said wheel at a plurality of spaced positions, said means being adapted to reduce vibrations transmitted from said wheel to said grip, said grip comprising two angularly positioned portions each extending tangentially from the rim of said wheel, said grip in its free position being substantially coplanar with said wheel and being movable downwardly out of said plane.

2,347,136

TOOLHOLDER

Siegfried Speckert, South Gate, Calif.

Application August 17, 1942, Serial No. 455,123
3 Claims. (Cl. 29—96)



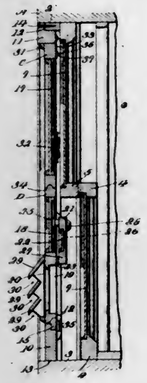
3. In a tool holder, a head having a through bore and a transverse bore intersecting the through bore, a pair of complementary wedge elements of approximately L-shape in cross section fitted in the through bore, means for releasably securing one of said elements in the bore and the other element being mounted for slidable movement therein, teeth formed on the movable element, a pinion mounted to turn in the transverse bore having teeth disposed to mesh with the teeth of the wedge element for selectively moving the latter, means on the pinion for turning the same, and co-acting means on the pinion and one of said wedge elements for releasably holding the pinion in the transverse bore.

2,347,137

STORM WINDOW

Dwight L. Steele, Hagerstown, Md.

Application May 13, 1943, Serial No. 486,751
3 Claims. (Cl. 160—91)



2. A storm window structure comprising, a frame, a two-part sash in said frame, one of said sashes provided with an opening, a screen over said opening, a movable door for closing said sash opening, a series of downwardly and outwardly extending louvres exterior of said sash opening, and said louvres extending from side to side of said opening.

2,347,138

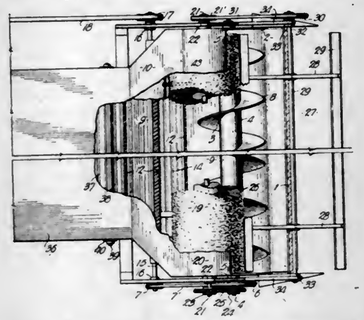
HARVESTER

Clarence A. Stevens, Wichita, Kans.

Application November 16, 1942, Serial No. 465,667
12 Claims. (Cl. 56—123)

1. In combination with a harvester having a thresher mechanism, a harvester pan in front of the thresher mechanism, a sickle supported along the front of the harvester pan, and a spiral conveyor rotatable in the pan with the lower portion of the flights thereof moving over the pan

in a direction to advance a crop cut by the sickle along the pan and toward the thresher mechanism, means for accelerating flow of the crop by the conveyor including a brush, means supporting the brush for movement over the upper por-



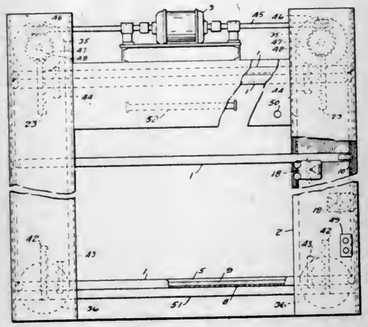
tion of the conveyor in the direction of the threshing mechanism to sweep any part of the crop that falls upon the conveyor through the upper portion of said flights and toward the thresher mechanism, and means for operating the brush in timed relation with the conveyor.

2,347,139

DISPLAY CABINET

Oscar Thor, Kearny, N. J.

Application December 4, 1941, Serial No. 421,679
11 Claims. (Cl. 211—121)



4. A device for displaying relatively large flat objects comprising a plurality of trays, a supporting frame, latches on the corners of the trays, racks in the corners of the upper part of the frame positioned to receive said latches for holding the trays, and lowering means adapted to withdraw said latches from one rack at a time and hold the trays by the latches, and means on the trays and carriages for releasing said trays from the lowering means.

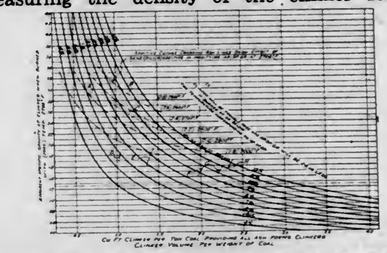
2,347,140

METHOD OF PREDETERMINING AND CONTROLLING THE CLINKERING CHARACTERISTICS OF COAL

Raymond S. Weimer, Morris, Ill.; Mabel Weimer administratrix of Raymond S. Weimer, deceased

Application January 11, 1943, Serial No. 472,008
21 Claims. (Cl. 44—1)

1. The method of preparing a batch of coal for burning at temperatures above the fusion temperature of the ash to form a desired non-fouling or non-obstructing clinker, comprising preburning a sample at the aforementioned temperatures, measuring the density of the clinker formed



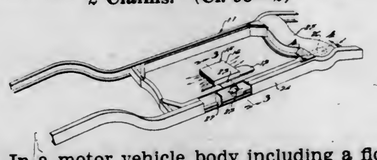
thereby, and finally treating the residual batch with such quantity of density altering materials for the clinker as may be required by said measurement to produce said desired clinker.

2,347,141

MOTOR VEHICLE HEATING SYSTEM

Albert B. Werdehoff, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application February 6, 1941, Serial No. 377,681
2 Claims. (Cl. 98—2)



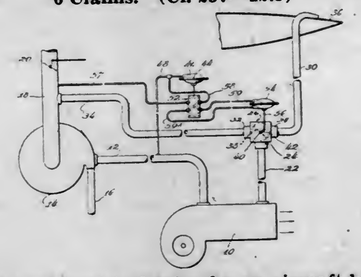
1. In a motor vehicle body including a floor, a heating unit within said body for supplying heated air thereto, said floor having an opening therein for admitting air therethrough to said heating unit, a chassis frame including a pair of side rails and a connecting cross member disposed adjacent the front of the vehicle, one of said side rails including a hollow air conducting portion, said cross member including a hollow air conducting portion communicating with atmosphere and with said hollow rail portion, and means for conducting air from said hollow rail portion to said body opening.

2,347,142

AUTOMATIC HEATER CONTROL VALVE

John B. Whitted, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application September 17, 1942, Serial No. 458,637
6 Claims. (Cl. 237—12.3)



1. A heater control valve for an aircraft heater of the internal combustion type supplied with combustible mixture from a supercharger and adapted to exhaust alternatively through a tail

pipe or through a pipe leading to the intake of the supercharger, said valve comprising a valve disc for controlling communication between said heater and said alternative pipes, a primary control operative in response to differences in pressure between the fuel inlet for said heater and atmosphere, fluid motor mechanism for shifting said valve disc, said motor mechanism including a diaphragm operated by fluid pressure across said supercharger and means responsive to said primary control for actuating said motor mechanism and valve disc in opposite directions.

2,347,143

DYEING OF TEXTILE FIBERS

Clifford Collier Wilcock, Salford, England, assignor to Courtaulds Limited, London, England, a British company

No Drawing. Application May 30, 1942, Serial No. 445,220. In Great Britain July 17, 1941
4 Claims. (Cl. 8—55)

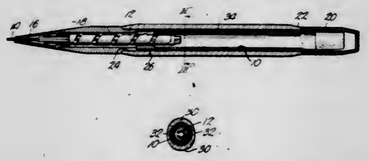
4. A process for dyeing nylon which comprises treating the nylon with water in the liquid state under pressure and at a temperature above 100° centigrade and then applying to the treated material a dyestuff selected from the group consisting of direct cotton dyestuffs, acetate dyestuffs and acid dyestuffs.

2,347,144

DISPLAY PENCIL

William Renrick Wilson, Kansas City, Mo.

Application November 1, 1940, Serial No. 363,830
2 Claims. (Cl. 40—19)



1. In a device of the character described a rotatably mounted barrel, a tubular diaphanous housing having an inner cylindrical wall of relatively greater diameter than the outer wall of said barrel over which it is positioned and having an outer wall of substantially elliptical cross-sectional form whereby the thickness of the wall of said housing is non-uniform, a series of indicia carried on the outer surface of said barrel in spaced relation to the inner wall of said housing whereby as said barrel is rotated beneath said housing the indicia on said barrel will be magnified to various degrees by said elliptical housing.

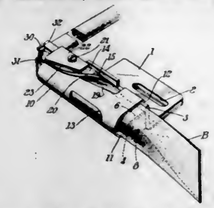
2,347,145

BINDER ATTACHMENT FOR SEWING MACHINES

James E. Ackerman, Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application July 2, 1943, Serial No. 493,223
6 Claims. (Cl. 112—138)

1. A strip-reversing binder for sewing machines, comprising, a core-member widthwise formed to provide a U-shaped outer guide-wall and lengthwise terminating in an inclined fold-inverting edge, a rib rising from a face of said wall in spaced relation to the bend of the wall and etxending longitudinally of said core-member, said rib having a strip-margin deflecting portion lengthwise inclined outwardly from said face toward said fold-inverting edge, an outer shell-member formed and disposed with respect to said core-member to provide therebetween a U-shaped strip-folding channel, said shell-member having



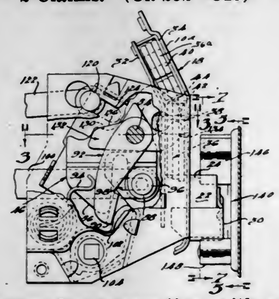
a fold-defining side edge thereof disposed adjacent said rib at the wall-bend side of the rib, and a strip-margin folding plate carried by said rib and overhanging said fold-defining edge of the shell-member.

2,347,146

LATCH MECHANISM

Albert F. Baker, Jackson, Mich., assignor to Hancock Manufacturing Company, Jackson, Mich., a corporation of Michigan

Application April 9, 1941, Serial No. 387,714
2 Claims. (Cl. 292—340)



1. A keeper for cooperation with a toothed pivoted bolt, comprising means defining a housing and a tooth-like projection over which said bolt may rotate so as to bring a tooth thereof behind said projection, a safety catch received in said housing and guidably supported therein for bodily sliding movement thereinto and thereout of between a retracted position and a projected position in which the end of the catch projects outwardly of the housing sufficiently far to engage a tooth of said bolt, the said end of the catch when projected being spaced in advance of the said projection and said spacing being sufficient to receive a said tooth of the bolt so as to enable said bolt to roll past the said projection and end of said catch.

2,347,147

CLARIFICATION OF WHITE WATER BY FROTH FLOTATION

Robert Ben Booth, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 28, 1942, Serial No. 444,927
4 Claims. (Cl. 209—167)

1. A method of clarifying paper mill waste waters and recovering the filler and fiber content thereof which comprises subjecting said waste waters to a froth flotation in the presence of only a sufficient amount of a promoter selected from the group consisting of higher fatty acids, rosin

acids, talloel, the sodium, potassium and ammonium soaps thereof and black liquor soap to selectively float the filler in a substantially fiber-free condition, said promoter being capable of floating both fiber and filler when present in larger amounts, collecting the resultant concentrated filler and subjecting the residual material to a froth flotation in the presence of a sufficient amount of a promoter selected from the same group to concentrate fibers.

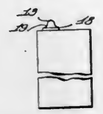
2,347,148

BRAILLE TYPE

Joseph B. Chamberlain, Kensington, Md., assignor to Baltimore Type and Composition Corporation, Baltimore, Md., a corporation of Delaware

Application June 4, 1942, Serial No. 445,768
6 Claims. (Cl. 101—28)





5. A Braille embossing type composed of sections arranged in a vertical stack, one or more of said sections having dots or projections on their type shoulder, the dots being disposed nearer the transverse medial line of the type shoulder than its ends.

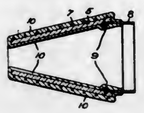
6. A Braille embossing type having an elevated table on its type shoulder from which the dots project, and a fillet formed at the jointure between the dots and the table.

2,347,149

AIR NOZZLE

Frederick H. Chirgwin, Los Angeles, Calif., assignor to B. F. Sturtevant Company, Boston, Mass.

Original application April 3, 1940, Serial No. 327,695. Divided and this application November 8, 1941, Serial No. 418,430
2 Claims. (Cl. 299—107)



1. An air nozzle comprising a conical shaped member of non-metallic, rigid, heat insulating material, a substantially cylindrical sheet metal member attached at one end to said conical member adjacent the large end thereof, and a binder layer of thermoplastic material on the inner and outer surfaces of said conical member.

2,347,150

STERILIZING MEANS FOR INFANT-FEEDING BOTTLES

William V. Consolazio, Watertown, Mass., assignor to Macalaster Bicknell Company, Cambridge, Mass., a corporation of Massachusetts

Application January 21, 1941, Serial No. 375,368
5 Claims. (Cl. 21—58)

1. A sterilizing protective enclosure device for nipples installed on filled nursing bottles, said device comprising an inverted cup-like heat-resistant glass hood having a continuous top and side wall and being open and of maximum diameter at its lower end, said hood adapted to have a sealing seat solely on and laterally against the base of such installed nipple wholly external of all portions thereof and below the bottle top and being shaped and proportioned internally for completely enclosing non-contacting spaced



relation to the entirety of the nipple above such seat, a pressure-relieving vent in an upper wall portion of the hood, at or above the level of the nipple tip, a recessed formation at the outer face of the hood wall, said vent opening outwardly into said formation, and resilient bandular valve means received wholly on and vertically above the lower end of the hood and having at least a portion positioned in and by the recessed formation so as to overlie and normally to close the vent.

2,347,151

PRODUCTION OF HYPOHALOUS ACID SOLUTIONS

Chester C. Crawford, Berkeley, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 30, 1940, Serial No. 332,604
8 Claims. (Cl. 23—152)

8. In a method of recovering an aqueous hypohalous acid solution free from halide ions, the steps of distilling an aqueous solution containing halide ions and a hypohalous acid selected from the group of hypochlorous and hypobromous acids, effecting said distillation in the presence of a deliberately added halogen gas identical with the halogen of the hypohalous acid subjected to distillation, and of a vaporous substance which is inert under the operating conditions, and recovering a distillate comprising said aqueous hypohalous acid substantially free from halide ions.

2,347,152

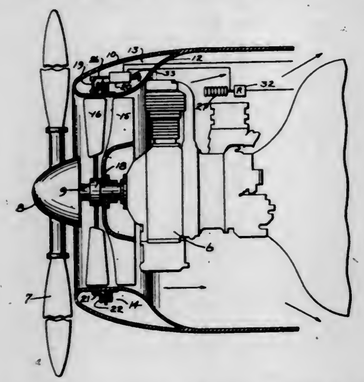
COMPOUNDED OIL

Elmslie W. Gardiner and George H. Denison, Jr., Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 13, 1941, Serial No. 374,250
11 Claims. (Cl. 252—54)

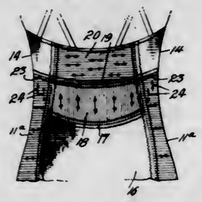
1. A composition of matter comprising a hydrocarbon oil and more than approximately 0.1% by weight based on the oil of a metal phenate containing a halogenated phenolic radical having more than ten carbon atoms.

2,347,153
ENGINE COOLING SYSTEM
Harold F. Hagen, Wellesley, and Robert T. Palmer, Sharon, Mass., assignors to B. F. Sturtevant Company, Boston, Mass.
Application September 25, 1942, Serial No. 459,608
3 Claims. (Cl. 123—171)



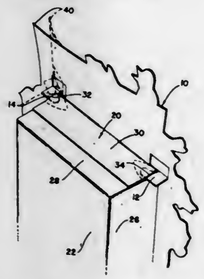
1. Cooling apparatus for an airplane engine comprising a propeller fan for moving air over the heat exchange surfaces of the engine, spin vanes in the inlet of said fan, means including means responsive to changes in the temperature of said surfaces for adjusting said vanes towards open position upon temperature increases, means opposing the opening of said vanes and exerting pressure to restore them towards closed position, a signal in the cockpit of the airplane, and means manually operated from the cockpit of the airplane for rendering said temperature responsive means ineffective and for causing said opposing means to move said vanes towards closed position, and including means for energizing said signal for indicating that said temperature responsive means has been deenergized.

2,347,154
FOUNDATION GARMENT
Mack Kahn, Cedarhurst, N. Y., assignor to Artistic Foundations, Inc., New York, N. Y., a corporation of New York
Application February 9, 1942, Serial No. 430,023
2 Claims. (Cl. 2—37)



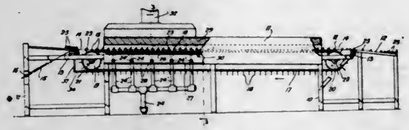
2. A combination foundation garment of the character described composed of a front panel, a rear panel, and two side panels connected between the opposite edges of the front and rear panels, the front panel including brassière portions, the side panels including portions extending along the sides of the hips which are elastic horizontally but not vertically, and inelastic portions connected to the brassière portions, and the rear panel including three generally rectangular sections arranged one above the other and having their adjacent edges secured together, the bottom section being composed entirely of inelastic material and extending from a lower edge below the buttocks to a upper edge lying approximately at the waistline, the middle section being composed of vertically elastic material and having its ends secured to said side panels along a horizontally elastic portion thereof, and the top section being composed of horizontally elastic material.

2,347,155
ADVERTISING DISPLAY CARD
Garret D. Leahey, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application July 19, 1943, Serial No. 495,367
2 Claims. (Cl. 40—7)



1. A display card adapted to be removably attached to the face of a carton having an overlapping upper end flap providing spaces beneath at each end adjacent a face of the carton, said card having die-cut portions formed in the card adapted to be bent toward the rear of the card to form horizontal facing hooks adapted to be placed in said spaces beneath the ends of said flap to retain the card assembled on the carton, the card being bendable sharply about a vertical axis in front of the card after entry of the first hook into its space to permit the second hook to be entered in its space as the card returns to a normal flat condition.

2,347,156
LEHR FOR TUBING
Miles Pennybacker, West Orange, and Albert R. Hussey, Lyndhurst, N. J.; said Hussey assignor to said Pennybacker
Application July 17, 1941, Serial No. 402,758
1 Claim. (Cl. 49—47)



A lehr for treating tubing including a conveyor including a plurality of flexible strips, means for supporting and maintaining said strips in a plane approaching the horizontal, a carrier chain situated directly beneath said strips, pegs mounted upon and carried by said chain and projecting upwardly between two adjacent strips, means for moving said chain and the pegs carried thereby in a direction corresponding to the longitudinal extension of said strips, and means for feeding each tube upon said strips so as to lie between

two adjacent pegs, whereby said tube is propelled through said lehr by said carrier chain and pegs, said elongated strips being supported and maintained in a downwardly sloping plane, whereby each tube barely tends to roll along said strips and is controlled as to speed of progress through the lehr by the action of the pegs, said lehr also including means for blowing a gas through the tubes as they move laterally through the lehr, said gas blowing means including a series of stationary nozzles past which the tubes are successively laterally translated.

2,347,157
CENTRIFUGAL PURGING AND WASHING METHOD FOR SUGAR MIXTURES AND THE LIKE
Eugene Roberts, Hastings, N. Y., and George E. Stevens, Denver, Colo., assignors to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah
No Drawing. Application August 5, 1942, Serial No. 453,726
13 Claims. (Cl. 127—56)

13. The method of centrifuging each of many successive centrifugal charges from a mass of sugar crystals and syrup which comprises walling up and starting the acceleration of the charge in a revolving sugar centrifugal basket, shortly thereafter releasing superheated water through a spray nozzle to the accelerating charge for a predetermined period of about 3 to 8 seconds, then continuing the acceleration for a predetermined period of about 15 to 50 seconds to finish purging the sugar, and then again releasing superheated water through the nozzle to the charge for a predetermined period to achieve the desired final degree of purification of the sugar wall.

2,347,158
BEADING STRIP
Louis Spraragen, Bridgeport, Conn., assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn., a corporation of Connecticut
Application April 28, 1939, Serial No. 270,582
26 Claims. (Cl. 20—69)



6. A beading strip comprising a bead of flexible fibrous material; a flexible resilient attaching strip secured thereto, said bead and attaching strip being impregnated with a binder; and an outwardly nonadhesive coating deposited from a dispersion of latex covering the impregnated bead and attaching strip and adhering securely thereto and forming a flexible cover for the bead which will bend with the bead without bunching.

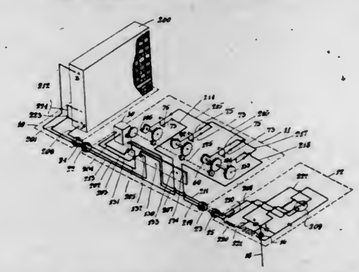
2,347,159
BEADING STRIP
Louis Spraragen, Bridgeport, Conn., assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn., a corporation of Connecticut
Original application April 28, 1939, Serial No. 270,582. Divided and this application November 22, 1943, Serial No. 511,361
2 Claims. (Cl. 20—69)

2. A beading strip comprising a bead of flexible material; a laminated strip anchored in and cemented to the bead to project therefrom and provide a means for mounting the beading strip, said laminated attaching strip comprising strips of paper having wire loops positioned between the strips, and said bead and attaching strip being



impregnated with a binder; and an outwardly nonadhesive coating deposited from a dispersion of latex covering the impregnated bead and attaching strip and adhering securely thereto and forming a flexible cover for the bear which will bend with the bead without bunching.

2,347,160
RADIOMETEOROGRAPH TRANSMITTING APPARATUS
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application April 4, 1940, Serial No. 327,767
29 Claims. (Cl. 177—380)

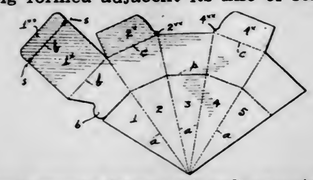


20. In a telemetering transmitting device, a circuit-controlling contact assembly, an operating cam, and means for positioning the contact assembly with relation to the cam in accordance with changes in a measured condition; said contact assembly comprising a support member having a contact terminal, a movable cam-engaging contact member, and a second contact member normally engaging the contact terminal on the support member and which is moved out of engagement with the contact terminal of the support member by the first said contact member when the latter is moved by the cam, whereby a normally open circuit is momentarily closed when the first said contact member is moved by the cam.

2,347,161
CARTON FOR ICE-CREAM CONES
Warren S. Watts, Montclair, and George J. Losson, Arlington, N. J., assignors to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware
Application December 12, 1940, Serial No. 369,700
1 Claim. (Cl. 229—22)

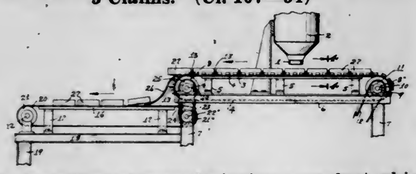
A carton for ice cream cones consisting of a wedge-shaped unitary piece of cardboard separated longitudinally by scoring into at least four wedged shaped side wall sections one of said side wall sections carrying at its top a hinged covering wall, a lip projected from the covering

wall, and adapted to be folded parallel with one of the side walls, the said lip having slots at opposite ends of its fold line, and two of the side walls, said side walls being spaced one at each side of and adjoining said wall carrying said covering wall, carrying foldable closure flaps, each flap being formed adjacent its line of fold, and



at the end remote from said wall carrying said covering wall with a laterally projecting shoulder, the shoulders of the flaps facing each other, the side wall which carries the cover wall being formed below the latter with a tear lip merging into a weakened tear line transversely extending across all of the side walls.

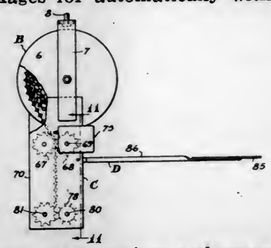
2,347,162
METHOD OF MAKING ICE-CREAM SANDWICHES
Warren S. Watts, Montclair, N. J., assignor to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware
Application March 9, 1942, Serial No. 433,934
3 Claims. (Cl. 107—54)



1. A method of manufacturing a product which consists of upper and lower edible wafers, an intermediate block of a frozen confection, and a thin-walled cellulosic molding member adapted to carry the edible portion of the product and to be stripped therefrom by the consumer, which method consists in flowing a supply of fluid partially frozen confection material of a nature exemplified by an ice cream mix into the thin-walled cellulosic member after placing an edible wafer in said molding member, the flow being continued until the frozen confection material partially fills the molding member, placing an edible wafer in the molding member over the ice cream confection and subjecting the product to hardening by intense refrigeration, whereby the hardened frozen confection block and the edible wafers bonded thereto by the intense refrigeration will enable manual stripping away of the cellulosic molding member.

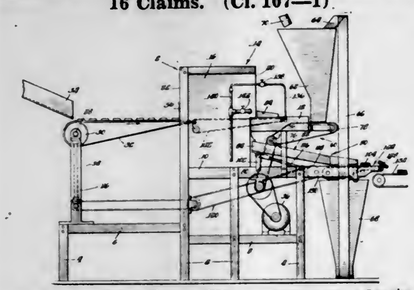
2,347,163
BALLOON FOR CARRYING INCENDIARY MATERIAL
Herman T. Kraft, Akron, and William C. McCoy, Shaker Heights, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 5, 1940, Serial No. 328,062
6 Claims. (Cl. 89—1.5)

1. A device carried by a lighter-than-air lifting member for automatically dropping packages of incendiary material and the like at intervals, comprising a container having a reel for holding a strip having incendiary packages spaced thereon, means for attaching said container to said lifting member, means operable by the weight of the packages for automatically withdrawing



said strip from said container and separately releasing the said packages in effective form as freely falling bodies, and means dependent on the change in elevation of the device for controlling the operation of said withdrawing means.

2,347,164
APPARATUS FOR COATING CANDY
Santy C. Petrilli, Chicago, Ill., assignor to General Candy Corporation, Chicago, Ill., a corporation of Illinois
Application December 29, 1941, Serial No. 424,700
16 Claims. (Cl. 107—1)



1. In combination with a conveyor adapted to convey a succession of sticky caramel coated candy bars along a substantially horizontal path, additional conveying mechanism having a downwardly inclined surface disposed below and spaced from the discharge end of said first mentioned conveyor, means for moving said conveying mechanism in a direction opposite to the direction of movement of the first mentioned conveyor, means for applying a continuous layer of nuts on the upper surface of said second mentioned conveyor, whereby said sticky candy bars as they discharge from the first conveyor discharge onto the upper surface of said downwardly traveling layer of nuts, and shaker mechanism disposed below and spaced from the discharge end of said downwardly inclined portion of said second mentioned conveyor, whereby said tacky caramel bars having nuts embedded on the underside thereof only will be discharged downwardly through the air through a mass of nuts falling from the continuous layer of said downwardly inclined portion, whereby to cause substantially all surfaces of said tacky bar to be covered with nuts, and means for operating said shaker mechanism whereby to feed the nut coated bars received thereonto in a direction away from the discharge end of said downwardly inclined conveyor and for discharging the same at a point remote therefrom.

DESIGNS

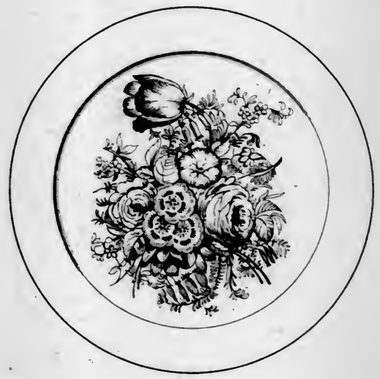
APRIL 18, 1944

137,674
DESIGN FOR A BADGE OR ARTICLE OF SIMILAR NATURE
Charles S. Amspacker, Columbus, Ohio
Application February 22, 1944, Serial No. 112,671
Term of patent 7 years
(Cl. D29—2)



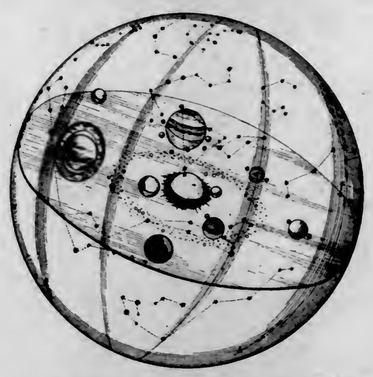
The ornamental design for a badge or article of similar nature, substantially as shown.

137,675
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alfred Duhrssen, New York, N. Y.
Application January 27, 1944, Serial No. 112,343
Term of patent 3½ years
(Cl. D44—15)



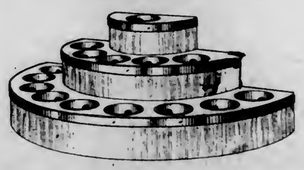
The ornamental design for a plate or similar article, substantially as shown.

137,676
DESIGN FOR AN ASTRONOMICAL GLOBE
George B. Eisler, New York, N. Y.
Application February 2, 1944, Serial No. 112,407
Term of patent 14 years
(Cl. D25—1)



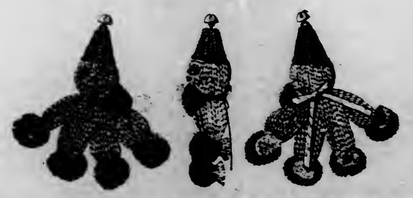
The ornamental design for an astronomical globe, substantially as shown and described.

137,677
DESIGN FOR A COMBINED LIQUOR COOLING AND DISPLAY STAND
Murray M. Fibus, Youngstown, Ohio
Application January 19, 1943, Serial No. 109,308
Term of patent 14 years
(Cl. D80—2)



The ornamental design for a combined liquor cooling and display stand, as shown and described.

137,678
DESIGN FOR A DOLL
Mary Elizabeth Granville, Philadelphia, Pa.
Application January 20, 1944, Serial No. 112,280
Term of patent 14 years
(Cl. D34—4)



The ornamental design for a doll, as shown.

137,679
DESIGN FOR A DOLL
Mary Elizabeth Granville, Philadelphia, Pa.
Application January 20, 1944, Serial No. 112,281
Term of patent 14 years
(Cl. D34—4)



The ornamental design for a doll, as shown.

137,680
DESIGN FOR AN APPLIQUÉ
Fred Hegner, New York, N. Y.
Application February 5, 1944, Serial No. 112,446
Term of patent 3½ years
(Cl. D3—9)





The ornamental design for an appliqué, substantially as shown and described.

137,681
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 18, 1944, Serial No. 112,953
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

137,682
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 18, 1944, Serial No. 112,954
Term of patent 3½ years
(Cl. D45—19)



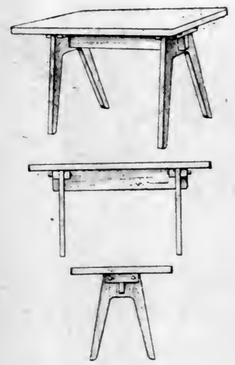
The ornamental design for a separable brooch, substantially as shown.

137,683
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 18, 1944, Serial No. 112,955
Term of patent 3½ years
(Cl. D45—19)



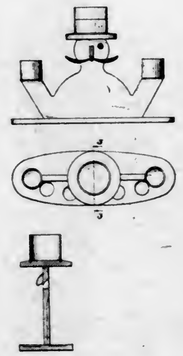
The ornamental design for a brooch or similar article, substantially as shown.

137,684
DESIGN FOR A COFFEE TABLE
Ferdinand Kramer, Port Chester, N. Y., assignor to Allied Purchasing Corporation, New York, N. Y., a corporation of New York, Fred V. Gerstel, New York, N. Y., Paul Mazur, New York, N. Y., and himself
Application September 24, 1943, Serial No. 111,199
Term of patent 14 years
(Cl. D33—14)



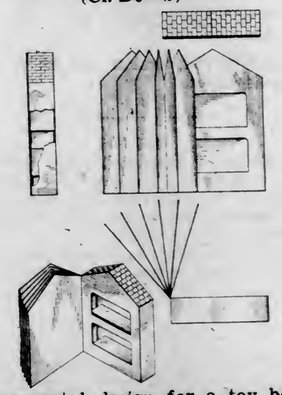
The ornamental design for a coffee table, as shown.

137,685
DESIGN FOR A SERVING STAND
Harry Lachman, Beverly Hills, Calif.
Application December 31, 1943, Serial No. 112,135
Term of patent 3½ years
(Cl. D44—10)



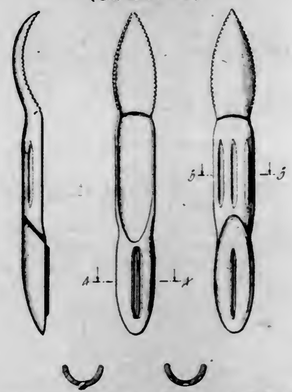
The ornamental design for a serving stand, as shown.

137,686
DESIGN FOR A TOY BOOK
Heinz W. Maienthau, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 25, 1943, Serial No. 109,623
Term of patent 3½ years
(Cl. D6—2)



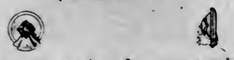
The ornamental design for a toy book, substantially as shown.

137,687
DESIGN FOR A COMBINATION VEGETABLE PEELER, FRUIT CORER, AND GRAPEFRUIT SECTIONIZER
Nathan K. Morris, Asbury Park, N. J.
Application February 11, 1944, Serial No. 112,540
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a combination vegetable peeler, fruit corer, and grapefruit sectionizer, as shown and described.

137,688
DESIGN FOR AN EARRING
Alfred Philippe, Providence, R. I.
Application March 9, 1944, Serial No. 112,835
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

137,689
DESIGN FOR AN EARRING
Alfred Philippe, Providence, R. I.
Application March 9, 1944, Serial No. 112,836
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

137,690
DESIGN FOR A CLOCK DIAL
Alfred L. Sprecker, Freeport, and Michael Supa, Flushing, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 3, 1943, Serial No. 111,898
Term of patent 14 years
(Cl. D42—10)



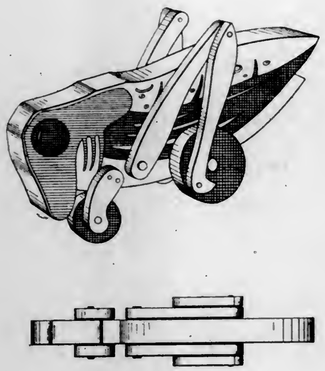
The ornamental design for a clock dial, substantially as shown.

137,691
DESIGN FOR AN EMBROIDERED TRIMMING OR THE LIKE
Jack Wiener, New York, N. Y.
Application March 6, 1944, Serial No. 112,789
Term of patent 3½ years
(Cl. D92—1)



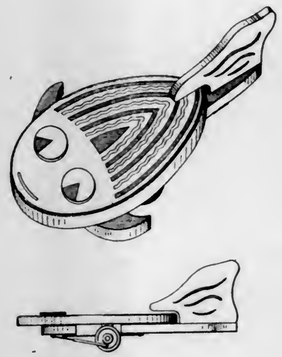
The ornamental design for an embroidered trimming or the like, as shown.

137,692
DESIGN FOR A TOY CRICKET
Jean O. Reinecke, Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 112,138
Term of patent 7 years
(Cl. D34—15)



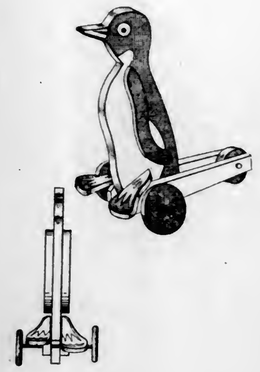
The ornamental design for a toy cricket, as shown.

137,693
DESIGN FOR A TOY FISH
Jean O. Reinecke, Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 112,139
Term of patent 7 years
(Cl. D34—15)



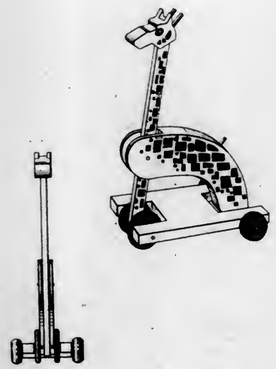
The ornamental design for a toy fish, as shown.

137,694
DESIGN FOR A TOY PENGUIN
Jean O. Reinecke, Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 112,140
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy penguin, as shown.

137,695
DESIGN FOR A TOY GIRAFFE
Jean O. Reinecke, Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 112,141
Term of patent 7 years
(Cl. D34—15)



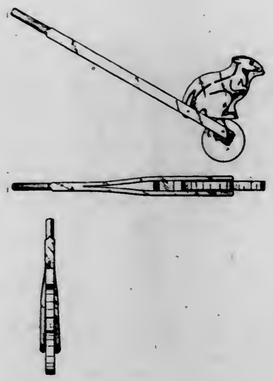
The ornamental design for a toy giraffe, as shown.

137,696
DESIGN FOR A JUGGLING SEAL TOY
Adolf Robins, White Plains, N. Y., assignor to Tip Top Toy Company, New York, N. Y., a copartnership consisting of Karl Tausig and Adolf Robins
Application February 11, 1944, Serial No. 112,541
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a juggling seal toy, as shown and described.

137,697
DESIGN FOR A TOY
Robert R. Ryder, Ashland, Ohio
Application December 11, 1943, Serial No. 111,989
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy, as shown.

137,698
DESIGN FOR A JABOT OR SIMILAR ARTICLE
Sylvan M. Baar, New York, N. Y.
Application March 18, 1944, Serial No. 112,947
Term of patent 3½ years
(Cl. D3—32)



The ornamental design for a jabot or similar article, substantially as shown.

137,699
DESIGN FOR A JABOT OR SIMILAR ARTICLE
Sylvan M. Baar, New York, N. Y.
Application March 18, 1944, Serial No. 112,948
Term of patent 3½ years
(Cl. D3—32)



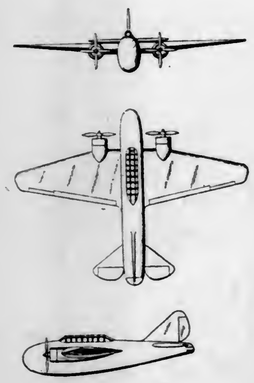
The ornamental design for a jabot or similar article, substantially as shown.

137,700
DESIGN FOR A COMBINED VALVE AND VACUUM BREAKER FOR WATER SYSTEMS
Lawrence N. Boosey, Detroit, Mich.
Application October 21, 1943, Serial No. 111,446
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a combined valve and vacuum breaker for water systems, substantially as shown.

137,701
DESIGN FOR AN AIRPLANE
Ruth Jones Brown, Middle River, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application August 12, 1943, Serial No. 110,902
Term of patent 7 years
(Cl. D71—1)



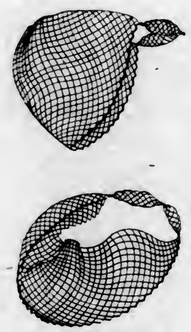
The ornamental design for an airplane, substantially as shown.

137,702
DESIGN FOR A BOTTLE CAP
Maxwell H. Conman, New Kensington, Pa., assignor to Pittsburgh Plastics Company, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application February 20, 1943, Serial No. 109,596
Term of patent 14 years
(Cl. D58—26)



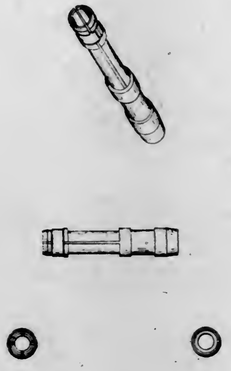
The ornamental design for a bottle cap, substantially as shown.

137,703
DESIGN FOR A HAIR NET OR SIMILAR ARTICLE
Lilly Daché Després, New York, N. Y., assignor, by mesne assignments, to Weco Products Company, Chicago, Ill., a corporation of Illinois
Application November 13, 1943, Serial No. 111,679
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a hair net or similar article, as shown.

137,704
DESIGN FOR AN ELECTRICAL RECEPTACLE
Thomas W. Drury, near Burr Oak, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Original application September 20, 1943, Serial No. 111,162. Divided and this application October 15, 1943, Serial No. 111,384
Term of patent 14 years
(Cl. D26—1)



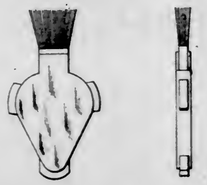
The ornamental design for an electrical receptacle, as shown.

137,705
DESIGN FOR AN ELECTRICAL TERMINAL PLUG
Thomas W. Drury, near Burr Oak, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Original application September 20, 1943, Serial No. 111,162. Divided and this application October 15, 1943, Serial No. 111,385
Term of patent 14 years
(Cl. D26—1)



The ornamental design for an electrical terminal plug, as shown.

137,706
DESIGN FOR AN ERASER OR THE LIKE
George L. Estes, Wichita, Kans.
Application September 24, 1943, Serial No. 111,197
Term of patent 14 years
(Cl. D74—7)



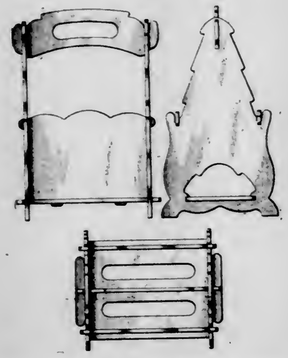
The ornamental design for an eraser or the like, substantially as shown.

137,707
DESIGN FOR A BABY CARRIAGE
Fred H. Fink, New York, N. Y.
Application May 21, 1943, Serial No. 110,246
Term of patent 7 years
(Cl. D14—14)



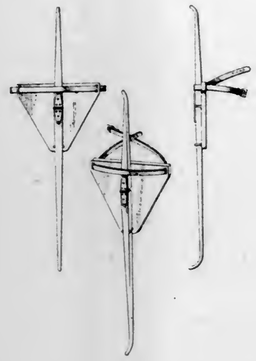
The ornamental design for a baby carriage, as shown and described.

137,708
DESIGN FOR A KNOCKDOWN CARRIER CARTON
John O. Grady, Arab, Ala.
Application September 15, 1943, Serial No. 111,126
Term of patent 14 years
(Cl. D58—4)



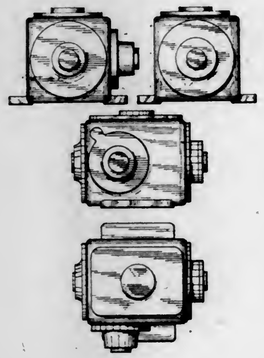
The ornamental design for a knockdown carrier carton, as shown.

137,709
DESIGN FOR A COW YOKE
Grace L. Jenkins, Waxahachie, Tex.
Application January 24, 1944, Serial No. 112,318
Term of patent 14 years
(Cl. D12—2)



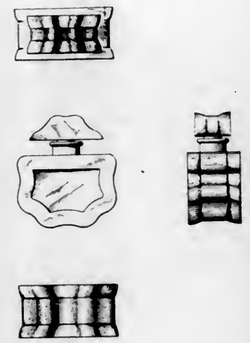
The ornamental design for a cow yoke, as shown.

137,710
DESIGN FOR A CASING FOR FOURDRINIER SHAKE
William M. Leeson, Glens Falls, N. Y.
Application December 2, 1943, Serial No. 111,876
Term of patent 14 years
(Cl. D59—9)



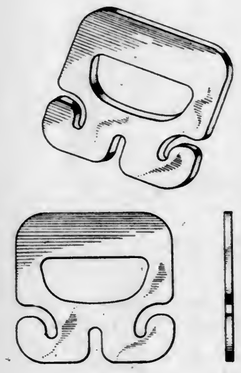
The ornamental design for a casing for Fourdrinier shake, as shown.

137,711
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Albert Lieberfield, New York, N. Y., assignor to Caron Corporation, New York, N. Y., a corporation of New York
Application July 13, 1943, Serial No. 110,663
Term of patent 14 years
(Cl. D58—6)



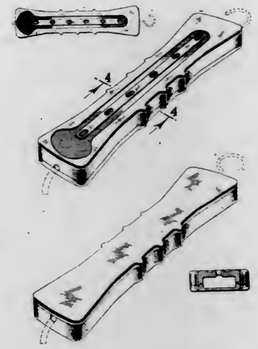
The ornamental design for a bottle or similar article, substantially as shown.

137,712
DESIGN FOR A PACKAGE HANDLE OR SIMILAR ARTICLE
Joseph E. Miano, New York, N. Y.
Application February 22, 1944, Serial No. 112,674
Term of patent 14 years
(Cl. D17—5)



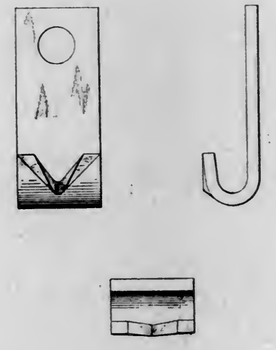
The ornamental design for a package handle or similar article, substantially as shown.

137,713
DESIGN FOR AN ELECTRIC FENCE TESTER
Sidney A. Moore, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 24, 1944, Serial No. 112,315
Term of patent 14 years
(Cl. D26—1)



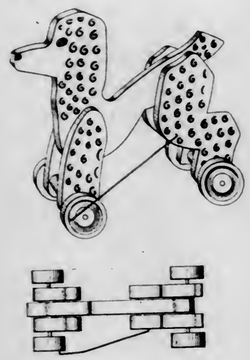
The ornamental design for an electric fence tester, as shown and described.

137,714
DESIGN FOR A GAMBREL HOOK
Ormie A. Pautz, Maribel, Wis.
Application February 21, 1944, Serial No. 112,657
Term of patent 14 years
(Cl. D11—1)



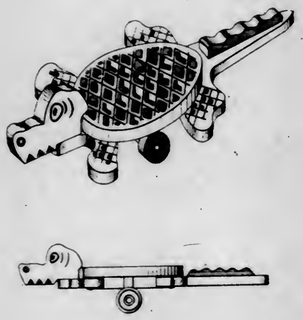
The ornamental design for a gambrel hook, as shown.

137,715
DESIGN FOR A TOY POODLE DOG
Jean O. Reinecke, Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 112,142
Term of patent 7 years
(Cl. D34—15)



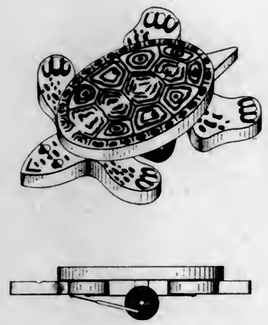
The ornamental design for a toy poodle dog, as shown.

137,716
DESIGN FOR A TOY ALLIGATOR
Jean O. Reinecke, Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 112,143
Term of patent 7 years
(Cl. D34—15)



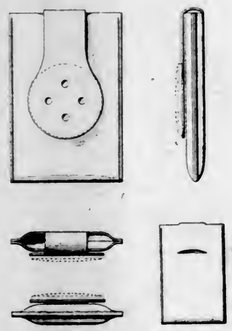
The ornamental design for a toy alligator, as shown.

137,717
DESIGN FOR A TOY TURTLE
Jean O. Reinecke, Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 112,144
Term of patent 7 years
(Cl. D34—15)



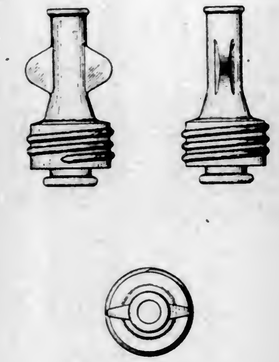
The ornamental design for a toy turtle, as shown.

137,718
DESIGN FOR A HOLDER FOR BADGE, PENCILS, AND THE LIKE
William A. Sherbondy, Atlanta, Ga.
Application August 19, 1943, Serial No. 110,951
Term of patent 3½ years
(Cl. D29—2)



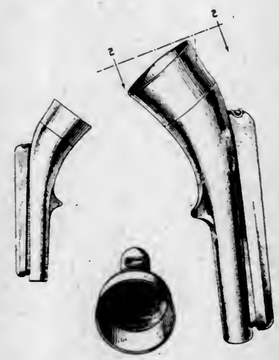
The ornamental design for a holder for badge, pencils, and the like, as shown.

137,719
DESIGN FOR A SPOUT FOR BOTTLE
Charles J. Smith, Fairfield, Conn., assignor to The Bryant Electric Company, a corporation of Illinois
Application October 13, 1943, Serial No. 111,347
Term of patent 7 years
(Cl. D58—10)



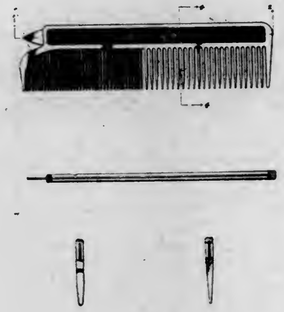
The ornamental design for a spout for bottle, substantially as shown.

137,720
DESIGN FOR A COMBINED SOUND-RECEIVING DEVICE AND CONTROL FOR DICTATING MACHINES
Richard M. Somers, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application September 24, 1942, Serial No. 108,330
Term of patent 14 years
(Cl. D26—14)



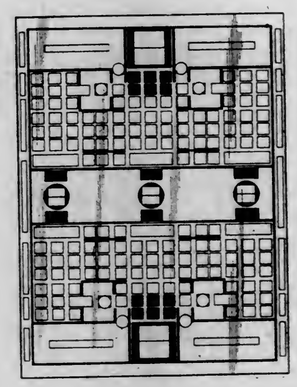
The ornamental design for a combined sound-receiving device and control for dictating machines, substantially as shown.

137,721
DESIGN FOR A COMBINATION COMB AND FINGERNAIL FILE
Robert C. Torian, Beehive, Mont.
Application June 8, 1943, Serial No. 110,402
Term of patent 14 years
(Cl. D86—8)



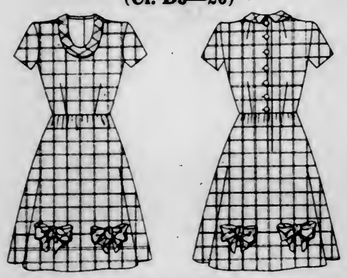
The ornamental design for a combination comb and fingernail file, substantially as shown.

137,722
DESIGN FOR A GAME BOARD
Ferdinand German Triay, Galashiels, England
Application May 29, 1943, Serial No. 110,323
In Great Britain April 30, 1943
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

137,723
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application February 24, 1944, Serial No. 112,692
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,724
DESIGN FOR A PLAY-SUIT ENSEMBLE
Emily Wilkens, New York, N. Y.
Application March 7, 1944, Serial No. 112,816
Term of patent 3½ years
(Cl. D3—17)



The ornamental design for a play-suit ensemble, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Olive Company, Inc., Los Angeles, Calif. Olives. Serial No. 466,872; Apr. 18. Class 46.

Addressograph-Multigraph Corporation, Cleveland, Ohio. Typewriter ribbon. Serial No. 467,390; Apr. 18. Class 11.

Admiral Corporation, Chicago, Ill. Cabinets for radios, cabinets for combination radios and phonographs, record players, etc. Serial No. 467,218; Apr. 18. Class 32.

Air Comfort Corporation, Chicago, Ill. Freezer storage cabinets, and parts thereof. Serial No. 467,220; Apr. 18. Class 31.

Allied Mills, Inc., Chicago, Ill. Horse and mule feed. Serial No. 466,473; Apr. 18. Class 46.

American Golf Foundation, The, Chicago, Ill. Publications issued from time to time. Serial No. 466,419; Apr. 18. Class 38.

American Instrument Company, Silver Spring, Md. Specially designed autoclaves, valves, fittings, etc. Serial No. 464,462; Apr. 18. Class 26.

Ansbacher-Siegle Corporation, Brooklyn, N. Y. Resinous materials. Serial No. 464,298; Apr. 18. Class 6.

Bahr, Bernard, doing business as Rodeo Leather Goods Co., Los Angeles, Calif. Leather goods. Serial No. 466,823; Apr. 18. Class 3.

Baker Importing Company, Minneapolis, Minn. Coffee extract. Serial No. 466,635; Apr. 18. Class 46.

Beatrice Creamery Company, Chicago, Ill. Powdered vegetable shortening. Serial No. 463,061; Apr. 18. Class 46.

Belcher, George E., Company, Stoughton, Mass. Shoe trees. Serial No. 462,699; Apr. 18. Class 50.

Beverly Novelty Co. (See Dashevsky, Isadore.)

Bonat, Samuel, & Bro., New York, N. Y. Hair and permanent wave lotions. Serial Nos. 467,063–4; Apr. 18. Class 6.

Breier's, Marcus, Sons, New York, N. Y. Men's, women's, and boys' wearing apparel. Serial No. 465,611; Apr. 18. Class 39.

Brooks Brothers, New York, N. Y. Smoking tobacco. Serial No. 464,214; Apr. 18. Class 17.

Brown, Clarence S., & Co., Inc., New York, N. Y. Cotton piece goods, rayon piece goods, etc. Serial No. 467,086; Apr. 18. Class 42.

Buckley, Margo A., New York, N. Y. Yarns. Serial No. 467,426; Apr. 18. Class 43.

Burke, Ralph A., Oakland, Calif. Shoes. Serial No. 466,403; Apr. 18. Class 39.

Byron Weston Company, Dalton, Mass. Ledger and bond paper. 459,021; Apr. 18. Class 37.

Carter Products, Inc., New York, N. Y. Cosmetic deodorant and anti-perspirant. Serial No. 467,065; Apr. 18. Class 6.

Central Chemical Corporation of Maryland, Hagerstown, Md. Liquid asphalt and asbestos roof coating. Serial No. 466,428; Apr. 18. Class 12.

Chamberlain, F. B., Company, East St. Louis, Ill. Medicinal preparation for poultry. Serial No. 467,288; Apr. 18. Class 6.

Cleveland Tungsten, Inc., Cleveland, Ohio. Products in which tungsten is a principal ingredient. Serial No. 460,951; Apr. 18. Class 21.

Clute, Edgar W., doing business as West-Craft Manufacturing Company, Chicago, Ill. Toy miniature U. S. Army "Jeep" construction kit. Serial No. 466,875; Apr. 18. Class 22.

Cook, David C., Publishing Company, Elgin, Ill. Picture forming cut-out sets. Serial No. 466,784; Apr. 18. Class 38.

Coralite Dental Products Company, Chicago, Ill. Dental materials. Serial No. 467,289; Apr. 18. Class 44.

Crosley Corporation, The, Cincinnati, Ohio. Newspaper column. Serial No. 467,314; Apr. 18. Class 38.

Dashevsky, Isadore, doing busines as Beverly Novelty Co., Philadelphia, Pa. Toy kazoos. Serial No. 466,007; Apr. 18. Class 22.

Dell Publishing Company, Inc., New York, N. Y. Series of small size editions. Serial No. 467,687; Apr. 18. Class 38.

Du Mont, Allen B., Laboratories, Inc., Passaic, N. J. Instruments for examining metals. Serial No. 465,740; Apr. 18. Class 26.

Dunn, Priscilla H., Columbia, S. C. Radio scripts. Serial No. 466,728; Apr. 18. Class 38.

Duplan Corporation, The, New York, N. Y., assignor to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Piece textile fabrics. Serial No. 458,206; Apr. 18. Class 42.

Duranol Products, Inc. (See Meyer, Joseph H., Bros., assignor.)

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Cord pulleys, awning blocks, anchor trip hooks, etc. Serial No. 466,074; Apr. 18. Class 13.

Empire Twine and Yarn Co. Inc., New York, N. Y. Seine twine. Serial No. 462,180; Apr. 18. Class 7.

Emprêsa de Limas União Tomé Féteira, Limitada, Vieira de Leiria, Marinha Grande, Portugal. Files and rasps. Serial No. 466,609; Apr. 18. Class 23.

Equitable Paper Bag Company, Inc., Long Island City, N. Y. Paper wrapping sheets. Serial No. 458,755; Apr. 18. Class 37.

Erlanger, N., Blumgart & Co. Inc., New York, N. Y. Fabrics. Serial Nos. 464,248–9; Apr. 18. Class 42.

Fackler, Langford & Taylor, Meansville, Ga. Canned fruits and vegetables. Serial No. 466,877; Apr. 18. Class 46.

Falk Products Co., Inc., Cadillac, Mich. Flour. Serial No. 463,121; Apr. 18. Class 46.

Famolare, Joseph P., Inc., Boston, Mass. Shoes. Serial No. 466,610; Apr. 18. Class 39.

Firestone Tire & Rubber Company, The, Akron, Ohio. Action toys. Serial No. 461,629; Apr. 18. Class 22.

Flaster, Alfred A., New York, N. Y. Perfumes and toilet water. Serial No. 465,866; Apr. 18. Class 6.

Flex Blade Works, New York, N. Y. Lawn mower blades. Serial No. 467,187; Apr. 18. Class 23.

Forest City Products, Inc., Cleveland, Ohio. Corn pads, calluses and bunion pads, corn files, etc. Serial No. 459,540; Apr. 18. Class 44.

Gawmal Incorporated, New York, N. Y. Dental alloys. Serial No. 463,515; Apr. 18. Class 44.

General Mills, Inc., Minneapolis, Minn. Feed for animals. Serial No. 465,599; Apr. 18. Class 46.

Gimbel Brothers, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. Serial No. 465,916; Apr. 18. Class 6.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Footballs, basket balls, striking bags, etc. Serial No. 466,792; Apr. 18. Class 22.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Composition soling material. Serial No. 466,793; Apr. 18. Class 50.

Griswold News Service, New York, N. Y. Peroidical. Serial No. 467,368; Apr. 18. Class 38.

Hoffman, David, New York, N. Y. Pictures. Serial No. 465,808; Apr. 18. Class 38.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 467,194; Apr. 18. Class 6.

Household Products Incorporated, Stamford, Conn. Odor neutralizer. Serial No. 467,241; Apr. 18. Class 6.

Ideal Novelty & Toy Co., Long Island City, N. Y. Stuffed dolls and toy animals. Serial No. 467,342; Apr. 18. Class 22.

Inland Steel Company, Chicago, Ill. Re-inforcing steel bars. Serial No. 466,532; Apr. 18. Class 12.

James, Leonard, Company, San Saba, Tex. Vitamin preparation. Serial No. 464,888; Apr. 18. Class 6.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Electric controllers of electric motors. Serial No. 460,056; Apr. 18. Class 21.

Justi, H. D., & Son, Inc., Philadelphia, Pa. Acrylic materials. Serial No. 466,915; Apr. 18. Class 44.

Kays-Newport, Inc., Providence, R. I. Boots and shoes. Serial No. 466,895; Apr. 18. Class 39.

Levy, S. M., & Sons, New York, N. Y. Handkerchiefs. Serial No. 465,508; Apr. 18. Class 39.

Luftig, Morris, doing business as Superior Belt Company, Chicago, Ill. Trouser belts. Serial No. 465,987; Apr. 18. Class 39.

Majestic Company, The, Huntington, Ind. Machinists' clamps, C clamps, parallel clamps, vises, etc. Serial No. 461,663; Apr. 18. Class 23.

Mefferd & Nickell Produce Co., Phoenix, Ariz. Fresh vegetables. Serial No. 467,202; Apr. 18. Class 46.

Meyer, Joseph H., Bros., assignor to Duranol Products, Inc., Brooklyn, N. Y. Display bins, cabinets, cases, etc. Serial No. 454,509; Apr. 18. Class 32.

Modern Plastics Inc., New York, N. Y. Section of a periodical publication. Serial No. 465,463; Apr. 18. Class 38.

Modern Plastics, Inc., New York, N. Y. Section of a periodical publication. Serial No. 467,350; Apr. 18. Class 38.

Mountford, Alfred, Philadelphia, Pa. Preparation for use in the treatment of rheumatism. Serial No. 466,924; Apr. 18. Class 6.

Munizaba, Jovan. (See Schwarz, Werner.)

Nachman, L., & Sons, Philadelphia, Pa. Women's and misses' textile aprons. Serial No. 466,766; Apr. 18. Class 39.

National Gypsum Company, Buffalo, N. Y. Rockwool. Serial Nos. 459,960–2; Apr. 18. Class 12.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Testing apparatus for testing hermetic seals and X-ray apparatus. Serial No. 464,950; Apr. 18. Class 26.

Ogush, William B., Inc., New York, N. Y. Watch cases, watches, watch movements, and watch parts. Serial No. 467,462; Apr. 18. Class 27.

Owens-Corning Fiberglas Corporation. (See Duplan Corporation, The.)
Page & Hill Co., Minneapolis, Minn. Treated wood poles. Serial No. 466,414; Apr. 18. Class 12.
Parents' Institute, Inc., The, New York, N. Y. Quarterly publication. Serial No. 467,300; Apr. 18. Class 38.
Patton, Herbert W., doing business as The Sal-Oda Sales Co., Boston, Mass. Preparation for the treatment or relief of rheumatism, neuritis, neuralgia, etc. Serial No. 465,783; Apr. 18. Class 6.
Phelps Associates, New York, N. Y. Handbags and haversacks. Serial No. 467,465; Apr. 18. Class 3.
Philadelphia Steel and Wire Corporation, Philadelphia, Pa. Spring washers. Serial Nos. 466,741–2; Apr. 18. Class 13.
Pickwick Corporation, Cedar Rapids, Iowa. Poultry picking machines and parts thereof. Serial No. 466,803; Apr. 18. Class 23.
Pilkingtons Limited, Heywood, Lancashire, England. Loom shuttles. Serial No. 465,955; Apr. 18. Class 23.
Priess, J. (See Priess, John L.)
Priess, John L., doing business as J. Priess, Chicago, Ill. Powder and perfume. Serial No. 463,582; Apr. 18. Class 6.
Quering, Mary M., Chicago, Ill. Eye shields and sinus compressors. Serial No. 465,369; Apr. 18. Class 44.
Rand McNally & Company, Chicago, Ill. Terrestrial globes, terrestrial globe supports or bases, and parts thereof. Serial Nos. 458,404–5; Apr. 18. Class 26.
Rite-Way Products Co., Chicago, Ill. Milker outfits. Serial No. 467,006; Apr. 18. Class 23.
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton piece goods. Serial No. 463,331; Apr. 18. Class 42.
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton plaids and checks, cotton sheetings, etc. Serial No. 467,171; Apr. 18. Class 42.
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Sheeting, sheets, and pillow cases. Serial No. 467,172; Apr. 18. Class 42.
Roche-Organon, Inc., Nutley, N. J. Estrogenic preparations. Serial No. 467,818; Apr. 18. Class 6.
Rodeo Leather Goods Co. (See Bahr, Bernard.)
Sagner's, A., Sons, Frederick, Md. Men's and women's coats and suits, etc. Serial No. 466,552; Apr. 18. Class 39.
Sal-Oda Sales Co. (See Patton, Herbert W.)
Sani-Toil Laboratories, Joplin, Mo. Cleaner for toilet bowls, drains, bath tubs, etc. Serial No. 467,436; Apr. 18. Class 4.
Schenley Distributors, Inc., New York, N. Y. Brandy. Serial No. 467,076; Apr. 18. Class 49.
Schwarz, Werner, and J. Munizaba, Buenos Aires, Argentina. Crude, raw or partly prepared animal hides and skins. Serial No. 462,429; Apr. 18. Class 1.
Searle, G. D., & Co., Chicago, Ill. Radiopaque solution. Serial No. 466,129; Apr. 18. Class 6.
Self & Janick, Pharr, Tex. Fresh vegetables. Serial No. 467,407; Apr. 18. Class 46.
Showa Shoyu Brewing Co. (See Tadano, George Y.)
Smith, Isidore, New York, N. Y. Woolen and worsted fabrics. Serial No. 466,748; Apr. 18. Class 42.
Solar Aircraft Company, San Diego, Calif. Periodically published house organ. Serial No. 466,850; Apr. 18. Class 38.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 463,945; Apr. 18. Class 2.
Spatz Bros., Inc., New York, N. Y. Ladies' raincoats. Serial No. 467,544; Apr. 18. Class 39.
Spielman, Leon A., Philadelphia, Pa. Toy machine guns. Serial No. 465,765; Apr. 18. Class 22.
Sponge Rubber Products Company, The, Derby, Conn. Material used as cushioning supports and fillers in upholstered furniture. Serial No. 464,904; Apr. 18. Class 32.
Star Electric Motor Company, Bloomfield, N. J. Electric motors. Serial No. 465,993; Apr. 18. Class 21.
Stearns, Dick E., Shreveport, Ind. Apparatus for testing insulating coatings. Serial No. 464,982; Apr. 18. Class 26.
Submarine Signal Company, Boston, Mass. Electrical apparatus. Serial No. 464,523; Apr. 18. Class 26.
Superior Belt Company. (See Luftig, Morris.)
Tadano, George Y., doing business as Showa Shoyu Brewing Co., Glendale, Ariz. Soya bean sauce. Serial No. 466,315; Apr. 18. Class 46.
Thompson, J. L., doing business as J. L. Thompson Company, Somerton and Yuma, Ariz. Fresh vegetables. Serial No. 467,626; Apr. 18. Class 46.
Thompson, J. L., Company. (See Thompson, J. L.)
Time, Incorporated, New York, N. Y. Weekly magazine. Serial No. 467,140; Apr. 18. Class 38.
Tribune Company, Chicago, Ill. Newspaper column. Serial No. 467,414; Apr. 18. Class 38.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Wool yarns. Serial No. 467,181; Apr. 18. Class 43.
United Hosiery Mills Corporation, Chattanooga, Tenn. Blouses, sunsuits, overalls, etc. Serial No. 464,098; Apr. 18. Class 39.
Waldorf Knitting Company, New York, N. Y. Gloves. Serial No. 465,217; Apr. 18. Class 39.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Amino acid preparations. Serial No. 464,458; Apr. 18. Class 6.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Medicinal preparations. Serial No. 467,118; Apr. 18. Class 6.
Weezel Bait Co., The, Cincinnati, Ohio. Fishing lures. Serial No. 467,329; Apr. 18. Class 22.
West-Craft Manufacturing Company. (See Clute, Edgar W.)
Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic preparations. Serial No. 466,337; Apr. 18. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc, New York, to Abraham & Straus, Inc., Brooklyn, N. Y. Corsets. 188,064; renewed Aug. 19, 1944.
Admiral Corporation. (See Continental Radio and Television Corporation.)
Aera Supply Mfg. Co. Inc., Corry, Pa. Multiway valves, fuel pumps, manually operable lever tye bomb release mechanisms, etc. 406,673–4; Apr. 18; Serial Nos. 459,188–9; published Jan. 18, 1944. Class 23.
Alkem Products Company. (See Moyer, Ralph.)
American Bleached Goods Company, Inc., New York, N. Y. Goods of cotton, linen, silk etc. 406,729; Apr. 18. Class 42.
American Brewing Company of Rochester, New York, N. Y. Beer, ale, and porter. 306,719; Apr. 18; Serial No. 465,307; published Feb. 1, 1944. Class 48.
American Display Company, The, Dayton, Ohio. Fishing tackle. 406,736; Apr. 18. Class 22.
American Lens Mfg. Co., Kansas City, Mo. Ophthalmic lenses, etc. 406,722; Apr. 18; Serial No. 465,471; published Feb. 8, 1944. Class 26.
American Safety Razor Corporation. (See Gem Radio Company, assignor.)
Anzora Perfumery Company Limited, The, London, England. Preparation for the hair and skin. 185,822; renewed June 24, 1944.
Anzora Perfumery Company, Limited, The, Kilburn, London, to The Anzora Perfumery Company Limited, London, England. Preparation for the hair and skin. 186,162; renewed July 1, 1944.
Atlas Powder Company, Wilmington, Del. Dynamite. 406,710; Apr. 18; Serial No. 464,847; published Feb. 8, 1944. Class 9.
Austin Company, The, East Cleveland, to The Austin Company, Cleveland, Ohio. Standard factory buildings, industrial plants, power houses, etc. 186,643; renewed July 22, 1944.
Automatic Electrical Devices Co., The, Cininnnati, Ohio. Alarm devices. 406,660; Apr. 18; Serial No. 450,997; published Feb. 8, 1944. Class 21.
Ballard & Ballard Co., Louisville, Ky. Wheat flour. 188,196; renewed Aug. 19, 1944.
Baribeau & Fils. (See Baribeau, Herve.)
Baribeau, Herve, doing business under the name of Baribeau & Fils, Levis, Canada. Cleaning and scouring powder. 406,687; Apr. 18; Serial No. 460,750; published Sept. 28, 1943. Class 4.
Barron-Gray Packing Company, San Jose, Calif. Fruits, fruit cocktail and fruit salad, etc. 406,691; Apr. 18; Serial No. 461,862; published Feb. 8, 1944. Class 46.
Baumann, Peter H., doing business as Wingless Chicken Company, Des Moines, Iowa. Wingless baby chicks, hatching eggs, etc. 406,739; Apr. 18. Class 46.
Beckert, Richard E., doing business as S. M. Spencer Mfg. Co., to S. M. Spencer Mfg. Co., Boston, Mass., successor. Stencil inks. 180,424; renewed Feb. 26, 1944.
Berry, James H., Bakersfield, Calif., assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Soap flakes, soap and washing powders. 187,434; renewed Aug. 5, 1944.
Bessire & Company, Inc., Indianapolis, Ind.; Louisville, Ky.; Columbus, Ohio; Atlanta, Ga.; Memphis, Tenn.; and Richmond, Va. Dairy, bakery, and confectioners' products. 406,662; Apr. 18; Serial No. 454,394; published Feb. 8, 1944. Class 46.
Blechman, S., & Sons Inc., New York, N. Y. Handkerchiefs, table covers, toweling, etc. 188,146; renewed Aug. 19, 1944.
Boyle-Midway Inc. (See Gilpin, Langdon & Company, Incorporated, assignor.)
Brookman Mfg. Co., Chicago, Ill., assignar, by mesne assignments, to Champion Chemical Works, Incorporated, Albany, N. Y. Lye. 186,938; renewed July 22, 1944.

Burrus Mill & Elevator Co. of Oklahoma. (See Oklahoma Mill Co., The, assignor.)
Caloric Gas Stove Works, Philadelphia, Pa. Gas burning cooking and heating stoves and ranges. 406,669; Apr. 18; Serial No. 457,789; published Feb. 8, 1944. Class 34.
Carnegie, Hattie, Inc., New York, N. Y. Women's dresses, coats, suits, etc. 406,697; Apr. 18; Serial No. 464,241; published Jan. 4, 1944. Class 39.
Champion Chemical Works, Incorporated. (See Brookman Mfg. Co., assignor.)
Chicago Mail Order Company, Chicago, Ill. Women's dresses, coats, skirts, etc. 406,733; Apr. 18. Class 39.
City Mills Company, Columbus, Ga. Wheat shorts, wheat bran, fancy feed, and chicken feed. 188,122; renewed Aug. 19, 1944.
Clayton Mark & Company, Evanston, Ill. Well supplies. 406,677; Apr. 18; Serial No. 460,529; published Jan. 25, 1944. Class 23.
Cohen, Isidor H. (See Newman & Co., assignor.)
Cohn, Sigmund, assignor to Sigmund Cohn & Co., New York, N. Y. Precious metals. 188,348; renewed Aug. 26, 1944.
Cohn, Sigmund, & Co. (See Cohn, Sigmund, assignor.)
Colorado Milling & Elevator Co., The, doing business as The Monte Vista Flour Mills, Denver and Monte Vista, Colo. Burlap and fabric bags. 406,728; Apr. 18. Class 2.
Columbia Graphophone Manufacturing Company, Bridgeport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., assignor, by mesne assignments, to Columbia Recording Corporation, New York, N. Y. Radio receiving, detecting and transmitting sets and parts thereof; etc. 184,323; renewed May 20, 1944.
Columbia Phonograph Company, Inc. (See Columbia Graphophone Manufacturing Company, assignor.)
Columbia Recording Corporation. (See Columbia Graphophone Manufacturing Company, assignor.)
Columbus Chemical Co. (See Flood, Walter H.)
Comfy Manufacturing Company, The, Baltimore, Md. Furniture slip covers. 406,725; Apr. 18. Class 32.
Connaught Antitoxin Laboratories, of the University of Toronto, Toronto, Ontario, Canada. Substances which will effect the combustion of the carbohydrates in the animal body and remove the cardinal objective symptoms of diabetes mellitus. 179,174; renewed Feb. 5, 1944.
Continental Radio and Television Corporation, Chicago, Ill., now by change of name Admiral Corporation, Laundry washing machines. 406,695; Apr. 18; Serial No. 463,930; published Feb. 8, 1944. Class 24.
Cosby-Hodges Milling Company, Inc. (See Cosby, W. M., Flour & Grain Co.)
Cosby, W. M., Flour & Grain Co., Birmingham, Ala., by change of name to Cosby-Hodges Milling Company, Inc. Dairy feed, chicken feed, and stock feed. 184,695; renewed May 27, 1944.
Creamery Package Mfg. Company, Chicago, Ill. Dairy, creamery, milk-plant, cheese factory and ice-cream-factory machinery and appliances. 181,016–18; renewed Mar. 11, 1944.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, cheese-factory, and ice-cream-factory appliances. 183,204–6; renewed Apr. 22, 1944.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, ice-cream-factory, refrigerating-plant, and ice-making-plant machinery and equipment. 186,349–51; renewed July 8, 1944.
Daniel, Jno. B., Inc., Atlanta, Ga. Expectorant. 180,275; renewed Feb. 26, 1944.
Dell Publishing Company, Inc., New York, N. Y. Magazine published quarterly. 406,735; Apr. 18. Class 38.
Dietz, R. E., Company, New York, N. Y. Oil burning lanterns and the burners and metal parts thereof. 187,676; renewed Aug. 12, 1944.
Ehrman, Samuel., Co., assignor to Samuel Ehrman Co. Inc., New York, N. Y. Venice laces, imitation of handmade filet laces, Irish laces, duchess laces, etc. 181,388; renewed Mar. 18, 1944.
Erie Supply & Equipment Company. (See Rossiter, William D.)
Et-Banner Furs, New York, N. Y. Australian opossum. 406,696; Apr. 18; Serial No. 463,667; published Feb. 8, 1944. Class 1.
Fackler, Langford & Taylor, Meansville, Ga. Canned pimentos. 406,742; Apr. 18. Class 46.
Fashion Bootery, The, Seattle, Wash. Shoes made of rubber, leather and/or fabric. 406,699; Apr. 18; Serial No. 464,480; published Jan. 4, 1944. Class 39.
Fawcett, Hughes, to Hughes Fawcett, Inc., New York, N. Y., successor. Shoe laces and braid. 186,343; renewed July 8, 1944.
Fireplug Products. (See Jacobs, Melvin H.)
Fletcher, Robert, & Son, assignor to Robert Fletcher & Son Limited, Stoneclough, near Manchester, England. Paper of every description. 24,938; re-renewed July 3, 1944.
Fletcher, Robert, & Son Limited. (See Fletcher, Robert, & Son, assignor.)
Flood, Walter H., doing business as Columbus Chemical Co., Chicago, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 186,398; renewed July 8, 1944.
Fray Tool & Reamer Co. (See Richards, James H.)
Frith, Walter D., Vancouver, British Columbia, Canada. Canned salmon. 180,890; renewed Mar. 11, 1944.
Fuchs, Walter M., Detroit, Mich. Writing fluid, typewriter ribbons, and printing ink. 406,690; Apr. 18; Serial No. 461,846; published Jan. 25, 1944. Class 11.
Gelgy Company, Inc., New York, N. Y. Insecticides. 406,681; Apr. 18; Serial No. 465,426; published Feb. 1, 1944. Class 6.
Gem Radio Company, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Radio receiving, detecting and transmitting sets and parts thereof. 181,933; renewed Apr. 1, 1944.
Gilpin, Langdon & Company, Incorporated, Baltimore, Md., assignor to Boyle-Midway Inc., Jersey City, N. J. Liquid insecticide. 184,227; renewed May 20, 1944.
Goldstein, Murray, Los Angeles, Calif. Women's sport dresses. 406,730; Apr. 18. Class 39.
Gordon, Samuel, New York, N. Y. Pipes, cigar and cigarette holders. 187,715; renewed Aug. 12, 1944.
Gretsch, Fred, Manufacturing Co., The, Brooklyn, N. Y. Musical instruments. 187,744; renewed Aug. 12, 1944.
Grossman, Samuel L., doing business as Reel Kumfurt Co., Los Angeles, Calif. Furniture. 406,731; Apr. 18. Class 32.
Guild, J. H., Company, Rupert, Vt. Preparation for the treatment of asthma. 181,354; renewed Mar. 18, 1944.
Handler, Joseph, doing business as Mercer Oil and Chemical Company, Philadelphia, Pa. Cleaning fluid. 406,692; Apr. 18; Serial No. 462,914; published Feb. 8, 1944. Class 4.
Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Candy. 406,715; Apr. 18; Serial No. 465,184; published Feb. 8, 1944. Class 46.
Hi-Lo Products. (See Ownen, Edward M. B.)
Holcomb, J. I., Manufacturing Company, Indianapolis, Ind. Cleansing powder. 187,435; renewed Aug. 5, 1944.
House of Herbs, Inc., Canaan, Conn. Vinegar. 406,734; Apr. 18. Class 46.
Hudson, J. L., Company, The, Detroit, Mich. Men's hats. 188,066; renewed Aug. 19, 1944.
Hufnagel, Edward H., doing business as Norma Chemical Company, Mount Vernon, N. Y. Combination soft soap and detergent paste. 406,668; Apr. 18; Serial No. 457,706; published Feb. 8, 1944. Class 4.
Hunt, Philip A., Company, Brooklyn, N. Y. Chemicals for developing negatives. 406,654; Apr. 18; Serial No. 427,433; published Mar. 19, 1940. Class 6.
Hunt, Philip A., Company, Brooklyn, N. Y. Chemicals. 406,655; Apr. 18; Serial No. 436,726; published Dec. 17, 1940. Class 6.
Ideal Roller & Manufacturing Company, Chicago, Ill. Printing press rollers. 406,707; Apr. 18; Serial No. 464,784; published Jan. 18, 1944. Class 23.
Imperial Chemical (Pharmaceuticals) Limited, Slough, Buckinghamshire, England. Scabicides. 406,714; Apr. 18; Serial No. 465,069; published Feb. 1, 1944. Class 6.
Iowa Canning Company, Vinton, Iowa. Canned vegetables. 406,689; Apr. 18; Serial No. 461,819; published Sept. 28, 1943. Class 46.
Jacobs, Melvin H., doing business as Fireplug Products, Chicago, Ill. Dog and cat food. 406,663; Apr. 18; Serial No. 455,481; published Feb. 8, 1944. Class 46.
Jewett Refrigerator Co., Inc., The, Buffalo, N. Y. Household refrigerators. 406,723; Apr. 18; Serial No. 465,870; published Feb. 8, 1944. Class 31.
Johnson Fruit Company, Santa Barbara, Calif. Lemons. 406,741; Apr. 18. Class 46.
Johnson, J. Oliver, Inc., assignor to J. Oliver Johnson Seed Company, Chicago, Ill. Lawn-grass seeds. 187,564; renewed Aug. 5, 1944.
Johnson, J. Oliver, Seed Company. (See Johnson, J. Oliver, Inc., assignor.)
Johnson, Julius E., doing business as J. E. Johnson & Co., Chicago, Ill. Cleaning compound. 406,667; Apr. 18; Serial No. 457,276; published Mar. 9, 1943. Class 4.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Fresh, pickled, smoked, and cured meats. 188,049; renewed Aug. 19, 1944.
Karpen, S., & Bros., Chicago, Ill. Mattresses, box springs, cushions, etc. 406,724; Apr. 18. Class 32.
King, H. H., Flour Mills Company, Minneapolis, Minn. Wheat flour. 181,433; renewed Mar. 18, 1944.
Koebel Diamond Tool Co., Detroit, Mich. Diamond-set cutting, drilling, abrading, etc. 406,665; Apr. 18; Serial No. 456,655; published Jan. 18, 1944. Class 23.
Kraft Cheese Company of Wisconsin. (See Pabst Farms, assignor.)
Lookout Oil & Refining Company. (See Wynne Lard & Provision Co. Inc., assignor.)

Lowe, E. S., Company, Inc., New York, N. Y. Game apparatus. 406,717; Apr. 18; Serial No. 465,261; published Feb. 8, 1944. Class 22.
Lumpkin, George B., doing business as Lumpkin Products Co., Kimball, Nebr. Hair tonic and shampoo. 187,683; renewed Aug. 12, 1944.
Lumpkin Products Co. (See Lumpkin, George B.)
Lynette Cosmetics, Inc., New York, N. Y. Perfumes and toilet waters. 406,684; Apr. 18; Serial No. 465,606; published Feb. 1, 1944. Class 6.
MacAdam, A. E., & Co., Inc., Brooklyn, N. Y. Facial tissue, toilet tissue, etc. 406,713; Apr. 18; Serial No. 464,976; published Feb. 8, 1944. Class 37.
MacDermid, W. D., Chemical Co. (See MacDermid, William D.)
MacDermid, William D., doing business as W. D. MacDermid Chemical Co., Bristol, Conn. Metal cleaning compounds. 406,694; Apr. 18; Serial No. 463,487; published Feb. 8, 1944. Class 4.
Mayfield, Thomas H., Roby, Tex. Cultivator shanks and sweeps. 406,711; Apr. 18; Serial No. 464,859; published Jan. 18, 1944. Class 23.
Mercer Oil and Chemical Company. (See Handler, Joseph.)
Metals Supply Company, Inc., Salt Lake City, Utah. Plumbing and steam-fitting valves, rivets, nails, etc. 406,659; Apr. 18; Serial No. 450,166; published Feb. 8, 1944. Class 13.
Midvale Company, The, Philadelphia, Pa. High speed steel. 406,712; Apr. 18; Serial No. 464,923; published Feb. 8, 1944. Class 14.
Mixermobile Manufacturers, Portland, Oreg. Vehicle mounted bulk material handling and loading apparatus. 406,701; Apr. 18; Serial No. 464,544; published Jan. 25, 1944. Class 23.
Monte Vista Flour Mills, The. (See Colorado Milling & Elevator Co., The.)
Moore, Sam, & Company, Cleveland, Ohio. Plastic compound or composition for sound insulation, etc. 406,664; Apr. 18; Serial No. 455,569; published Feb. 9, 1944. Class 12.
Morgan, John C., Company, Traverse City, Mich. Apple juice. 406,700; Apr. 18; Serial No. 464,515; published Feb. 1, 1944. Class 45.
Moyer, Ralph D., doing business as Alkem Products Company, Jersey City, N. J. Cleaning compounds. 406,666; Apr. 18; Serial No. 457,102; published Feb. 8, 1944. Class 4.
Narwood Bros., to Emil Ofner, doing business as Narwood Brothers, Brooklyn, N. Y., successor. White and colored bunting in the piece. 185,738; renewed June 24, 1944.
Narwood Bros., to Emil Ofner, doing business as Narwood Brothers, Brooklyn, N. Y., successor. White and colored bunting in the piece. 187,109; renewed July 29, 1944.
National Spinning Company, Inc., New York and Brooklyn, to National Spinning Company, Inc., New York, N. Y. Yarns. 187,943; renewed Aug. 12, 1944.
Neisser, Otto, Jr., Los Angeles, Calif. Drum practice pads, musical instruments, mutes and mufflers. 406,740; Apr. 18. Class 36.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland, assignor to Nestlé's Milk Products, Inc., New York, N. Y. Condensed milk, and evaporated milk. 188,089; renewed Aug. 19, 1944.
Nestlé's Milk Products, Inc. (See Nestlé & Anglo-Swiss Condensed Milk Co., assignor.)
New England Fish Company, Boston, Mass., to New England Fish Company, Seattle, Wash. Canned salmon. 181,325; renewed Mar. 18, 1944.
New England Fish Company, Boston, Mass., to New England Fish Company, Seattle, Wash. Canned salmon. 182,358; renewed Apr. 8, 1944.
New England Fish Company, Boston, Mass., to New England Fish Company, Seattle, Wash. Canned salmon. 185,271; renewed June 10, 1944.
New England Fish Co., Boston, Mass., to New England Fish Company, Seattle, Wash. Canned fish. 188,144; renewed Aug. 19, 1944.
Newman & Co., New York, assignor, by mesne assignments, to I. H. Cohen, Brooklyn and New York, N. Y. Hosiery for men. 179,991; renewed Feb. 19, 1944.
Noack, Walter G., Stockton, Calif. Water pressure systems, pumps, and engines, and parts therefor. 179,794; renewed Feb. 19, 1944.
Norma Chemical Company. (See Hufnagel, Edward H.)
North Pacific Nut Growers Cooperative, Dundee, Oreg. Walnuts, shelled and unshelled. 406,727; Apr. 18. Class 46.
Nutone, Incorporated, Cincinnati, Ohio. Hydraulic dish washing machines. 406,702; Apr. 18; Serial No. 464,714; published Feb. 1, 1944. Class 23.
Ofner, Emil. (See Narwood Bros.)
Oklahoma Mill Co., The, assignor to Burrus Mill & Elevator Co. of Oklahoma, Kingfisher, Okla. Wheat flour. 182,300; renewed Apr. 8, 1944.
Ownen, Edward M. B., doing business as Hi-Lo Products, St. Louis, Mo. Vitamin and mineral product. 406,708; Apr. 18; Serial No. 464,791; published Feb. 1, 1944. Class 6.
Pabst Farms, Summit and Oconomowoc, Wis., assignor to Pabst Holstein Farms, assignor, by mesne assignments, to Kraft Cheese Company of Wisconsin, Green Bay, Wis. Cheese. 179,826; renewed Feb. 19, 1944.
Pabst Holstein Farms. (See Pabst Farms, assignor.)
Panzer Packing Co. Inc., Baltimore, Md. Pickles, mayonnaise and sweet pepper and sweet pickle relishes. 406,736–7; Apr. 18.
Parfumerie de Raymond, New York, N. Y. Perfume. 406,709; Apr. 18; Serial No. 464,792; published Feb. 1, 1944. Class 6.
Parfums Charbert, Inc., New York, N. Y. Gentlemen's toiletries. 406,675; Apr. 18; Serial No. 460,195; published Feb. 1, 1944. Class 6.
Parfums Schiaparelli, Inc., New York, N. Y. Soaps. 406,716; Apr. 18; Serial No. 465,191; published Feb. 8, 1944. Class 4.
Parke, Davis & Company, Detroit, Mich. Preparation used for the prevention of common colds. 406,721; Apr. 18; Serial No. 465,322; published Feb. 1, 1944. Class 6.
Patch, E. L., Company, The, Stoneham, Mass. Ointment. 406,718; Apr. 18; Serial No. 465,268; published Feb. 1. 1944. Class 6.
Paxton-Mitchell Company, Omaha, Nebr. Metallic packings. 187,816; renewed Aug. 12, 1944.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lye. 187,802–3; renewed Aug. 12, 1944.
Permatex Company, Inc., Brooklyn, N. Y. Dry gums and liquid varnishes. 187,883; renewed Aug. 12, 1944.
Pierce, Robert J., Inc., New York, N. Y. Pennyroyal tablets; tansy, cotton root, etc. 187,780; renewed Aug. 12, 1944.
Procter & Gamble Company, The. (See Berry, James H., assignor.)
Procter & Gamble Company, The. (See Flood, Walter H., assignor.)
Procter & Gamble Company, The. (See Washington, Madam Sallie L., assignor.)
Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. 406,680; Apr. 18; Serial No. 465,404; published Feb. 1, 1944. Class 6.
Ratner, Harry, Columbus, Ohio. Jewelry. 180,422; renewed Feb. 26, 1944.
Reel Kumfurt Co. (See Grossman, Samuel L.)
Richards, James H., doing business as Fray Tool & Reamer Co., Glendale, Calif. Drills, reamers, and cutters. 406,676; Apr. 18; Serial No. 460,434; published Jan 18, 1944. Class 23.
Rochester Ropes, Inc., Culpeper, Va. House organ magazine. 406,732; Apr. 18. Class 38.
Rogge, Rhova, Sterling, Nebr. Number game. 406,685; Apr. 18; Serial No. 465,697; published Feb. 8, 1944. Class 22.
Ross Operating Valve Company, Detroit, Mich. Air control valves. 406,656–7; Apr. 18; Serial Nos. 447,953–4; published Jan. 18, 1944. Class 23.
Rossiter, William D., doing business as Erie Supply & Equipment Company, Sandusky, Ohio. Cabinets for holding fire extinguishers or the like. 406,678; Apr. 18; Serial No. 460,582; published Feb. 8, 1944. Class 32.
Royce Chemical Company, Carlton Hill, N. J. Chemicals. 406,682; Apr. 18; Serial No. 465,433; published Feb. 1, 1944. Class 6.
Sargent & Company, New Haven, Conn. Coil door springs. 187,837–8; renewed Aug. 12, 1944.
Schieffelin & Co., New York, N. Y. Pharmaceutical preparation. 406,693; Apr. 18; Serial No. 463,444; published Feb. 1, 1944. Class 6.
Sickles, Louis, Philadelphia, Pa. Brooches, pendants, rings, etc. 406,703; Apr. 18; Serial No. 464,727; published Feb. 8, 1944. Class 28.
Sickles, Louis, Philadelphia, Pa. Brooches, pendants, rings, etc. 406,704; Apr. 18; Serial No. 464,729; published Feb. 8, 1944. Class 28.
Sickles, Louis, Philadelphia, Pa. Pocket watches, wrist watches, lapel watches, etc. 406,705; Apr. 18; Serial No. 464,730; published Feb. 8, 1944. Class 27.
Sickles, Louis, Philadelphia, Pa. Brooches, pendants, rings, etc. 406,706; Apr. 18; Serial No. 464,731; published Feb. 8, 1944. Class 28.
Solon Palmer, assignor to Solon Palmer, New York, N. Y. Perfumery, sachet powders, and soap. 24,962; re-renewed July 3, 1944.
Sonotherm Corporation, The, Berkeley, Calif. Insulating board. 406,661; Apr. 18; Serial No. 452,942; published Aug. 18, 1942. Class 12.
South Coast Corporation, The, New Orleans, La. Sugar. 406,698; Apr. 18; Serial No. 464,423; published Feb. 8, 1944. Class 46.
Southwestern Milling Company Inc., The, assignor to Standard Milling Company, New York, N. Y. Wheat flour. 186,675; renewed July 22, 1944.
Soy Food Mills, assignor to Soy Food Mills, Inc., Chicago, Ill. Prepared mix of wheat and soy flour. 406,738; Apr. 18. Class 46.
Spencer, S. M., Mfg. Co. (See Beckert, Richard E.)
Standard Milling Company. (See Southwestern Milling Company Inc., The, assignor.)
Stearns, Frederick, & Company, Detroit, Mich. Solution composed largely of pectin. 406,679; Apr. 18; Serial No. 465,328; published Feb. 1, 1944. Class 6.

Stearns, Frederick, & Company, Detroit, Mich. Preparation used as a vasoconstrictor. 406,720; Apr. 18; Serial No. 465,327; published Feb. 1, 1944. Class 6.
Stow Manufacturing Company, Binghamton, N. Y. Flexible shafts, components thereof, portable power tools. 406,672; Apr. 18; Serial No. 458,973; published Jan. 18, 1944. Class 23.
Swift and Company. (See Vitogro Chemical Company, assignor.)
Swift and Company, Chicago, Ill. Fertilizer. 186,125; renewed July 1, 1944.
Swift and Company, Chicago, Ill. Soap. 186,367; renewed July 8, 1944.
Swift and Company, Chicago, Ill. Soap. 186,369; renewed July 8, 1944.
Swift and Company, Chicago, Ill. Oleomargarine. 186,919; renewed July 22, 1944.
Thompson Aircraft Products Co., Euclid, Ohio. Exhaust valves, intake valves, bushings, etc. 406,671; Apr. 18; Serial No. 458,854; published Jan. 25, 1944. Class 23.
Trostel, Albert, & Sons Company, Milwaukee, Wis. Cattle side and calf upper leather. 406,688; Apr. 18; Serial No. 461,642; published Feb. 8, 1944. Class 1.
Turner & Walls, assignor, by mesne assignments, to Albert H. Vandam Co., Inc., New York, N. Y. Cotton piece goods. 187,818; renewed Aug. 12, 1944.
Vandam, Albert H., Co., Inc. (See Turner & Walls, assignor.)
Vitogro Chemical Company, Lowell, Mass., assignor, by mesne assignments, to Swift and Company, Chicago, Ill. Chemical fertilizer. 185,693; renewed June 24, 1944.
Washington, Madam Sallie L., Pittsburgh, Pa., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Hair shampoos, hair preparations, and balms, etc. 183,137; renewed Apr. 22, 1944.
Western Cartridge Company. (See Winchester Repeating Arms Company, assignor.)
Whitney Blake Company, The, New Haven, Conn. Insulated wires and cables of the type used in communications, etc. 406,670; Apr. 18; Serial No. 458,363; published Feb. 8, 1944. Class 21.
Winchester Repeating Arms Company, assignor, by mesne assignments, to Western Cartridge Company, New Haven, Conn. Ice skates, roller skates and parts thereof. 181,758; renewed Mar. 25, 1944.
Wingless Chicken Company. (See Baumann, Peter H.)
Wofford, Ernest D., Pharr, Tex. Fresh vegetables. 406,686; Apr. 18; Serial No. 465,675; published Feb. 8. 1944. Class 46.
Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo. Ladies' and misses' shoes of leather, fabric, etc. 406,658; Apr. 18; Serial No. 449,441; published Jan. 4, 1944. Class 39.
Wynne Lard & Provision Co. Inc., Norfolk, Va., assignor, by mesne assignments, to Lookout Oil & Refining Company, Chicago, Ill. Lard substitute. 180,297; renewed Feb. 26, 1944.
Young, Frederick H., doing business as Frederick H. Young & Co., assignor, by mesne assignments, to Josephine A. Young, doing business as The Frederick H. Young Company, Toledo, Ohio. Soap. 181,029; renewed Mar. 11, 1944.
Young, Josephine A. (See Young, Frederick H., assignor.)
Ziv Steel & Wire Co., Chicago, Ill. Tool steel and tool steel alloys. 406,683; Apr. 18; Serial No. 465,443; published Feb. 8, 1944. Class 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Australian opossum. Et-Banner Furs. 406,696; Apr. 18; Serial No. 463,667; published Feb. 8, 1944.
Leather, Cattle side and calf upper. Albert Trostel & Sons Company. 406,688; Apr. 18; Serial No. 461,642; published Feb. 8, 1944.
Seeds, Lawn-green. J. Oliver Johnson, Inc. 187,564; renewed Aug. 5, 1944.

CLASS 2

Burlap and fabric bags. Colorado Milling & Elevator Co. 406,728; Apr. 18.

CLASS 4

Cleaning and scouring powder. H. Baribeau. 406,687; Apr. 18; Serial No. 460,750; published Sept. 28, 1943.
Cleaning compound. J. E. Johnson. 406,667; Apr. 18; Serial No. 457,276; published Mar. 9, 1943.
Cleaning compounds. R. D. Moyer. 406,666; Apr. 18; Serial No. 457,102; published Feb. 8, 1944.
Cleaning compounds, Metal. W. D. MacDermid. 406,694; Apr. 18; Serial No. 463,487; published Feb. 8, 1944.
Cleaning fluid. J. Handler. 406,692; Apr. 18; Serial No. 462,914; published Feb. 8, 1944.
Cleansing powder. J. I. Holcomb Manufacturing Company. 187,435; renewed Aug. 5, 1944.
Perfumery, sachet powders, and soap. Solon Palmer. 24,962; re-renewed July 3, 1944.
Soap. W. H. Flood. 186,398; renewed July 8, 1944.
Soap. Swift and Company. 186,367; renewed July 8, 1944.
Soap. Swift and Company. 186,369; renewed July 8, 1944.
Soap. F. H. Young. 181,029; renewed Mar. 11, 1944.
Soap and detergent paste, Combination soft. E. H. Hufnagel. 406,668; Apr. 18; Serial No. 457,706; published Feb. 8, 1944.
Soap flakes, soap and washing powders. J. H. Berry. 187,434; renewed Aug. 5, 1944.
Soaps. Parfums Schiaparelli, Inc. 406,716; Apr. 18; Serial No. 465,191; published Feb. 8, 1944.

CLASS 6

Chemicals. Philip A. Hunt Company. 406,655; Apr. 18; Serial No. 436,726; published Dec. 17, 1940.
Chemicals. Royce Chemical Company. 406,682; Apr. 18; Serial No. 465,433; published Feb. 1, 1944.
Chemicals for developing negatives. Philip A. Hunt Company. 406,654; Apr. 18; Serial No. 427,433; published Mar. 19, 1940.
Expectorant. Jno. B. Daniel, Inc. 180,275; renewed Feb. 26, 1944.
Insecticide, Liquid. Gilpin, Langdon & Company, Incorporated. 184,227; renewed May 20, 1944.
Insecticides. Geigy Company. 406,681; Apr. 18; Serial No. 465,426; published Feb. 1, 1944.
Lye. Brookman Mfg. Co. 186,938; renewed July 22, 1944.
Lye. Pennsylvania Salt Manufacturing Company. 187,802–3; renewed Aug. 12, 1944.
Ointment. E. L. Patch Company. 406,718; Apr. 18; Serial No. 465,268; published Feb. 1, 1944.
Pennyroyal tablets; tansy, cotton root, etc. Robert J. Pierce, Inc. 187,780; renewed Aug. 12, 1944.
Perfume. Parfumerie De Raymond. 406,709; Apr. 18; Serial No. 464,792; published Feb. 1, 1944.
Perfumery, sachet powders, and soap. Solon Palmer. 24,962; re-renewed July 3, 1944.
Perfumes and toilet waters. Lynette Cosmetics, Inc. 406,684; Apr. 18; Serial No. 465,606; published Feb. 1, 1944.
Pharmaceutical preparation. Schieffelin & Co. 406,693; Apr. 18; Serial No. 463,444; published Feb. 1, 1944.
Preparation for the hair and skin. Anzora Perfumery Company, Limited. 186,162; renewed July 1, 1944.
Preparation for the hair and skin. Anzora Perfumery Company Limited. 185,822; renewed June 24, 1944.
Preparation for the treatment of asthma. J. H. Guild Company. 181,354; renewed Mar. 18, 1944.
Preparation used for the prevention of common colds. Parke, Davis & Company. 406,721; Apr. 18; Serial No. 465,322; published Feb. 1, 1944.
Preparation used as a vasoconstrictor. Frederick Stearns & Company. 406,720; Apr. 18; Serial No. 465,327; published Feb. 1, 1944.
Scabicides. Imperial Chemical (Pharmaceuticals) Limited. 406,714; Apr. 18; Serial No. 465,069; published Feb. 1, 1944.
Shampoo. Procter & Gamble Company. 406,680; Apr. 18; Serial No. 465,404; published Feb. 1, 1944.
Shampoos, hair preparations, and balms, etc., Hair. Madam S. L. Washington. 183,137; renewed Apr. 22, 1944.
Solution composed largely of pectin. Frederick Stearns & Company. 406,679; Apr. 18; Serial No. 465,328; published Feb. 1, 1944.
Substance which will effect the combustion of the carbohydrates in the animal body and remove the cardinal objective symptoms of diabetes mellitus. Connaught Antitoxin Laboratories of the University of Toronto. 179,174; renewed Feb. 5, 1944.
Toiletries, Gentlemen's. Parfums Charbert, Inc. 406,675; Apr. 18; Serial No. 460,195; published Feb. 1, 1944.
Tonic and shampoo, Hair. G. B. Lumpkin. 187,683; renewed Aug. 12, 1944.
Vitamin and mineral product. E. M. B. Ownen. 406,708; Apr. 18; Serial No. 464,791; published Feb. 1, 1944.

CLASS 8

Pipes, cigar, and cigarette holders, etc. S. Gordon. 187,715; renewed Aug. 12, 1944.

CLASS 9

Dynamite. Atlas Powder Company. 406,710; Apr. 18; Serial No. 464,847; published Feb. 8, 1944.

CLASS 10

Fertilizer. Swift and Company. 186,125; renewed July 1, 1944.
Fertilizer, Chemical. Vitogro Chemical Company. 185,693; renewed June 24, 1944.

CLASS 11

Inks, Stencil. R. E. Beckert. 180,424; renewed Feb. 26, 1944.
Writing fluid, typewriter ribbons, and printing ink. W. M. Fuchs. 406,690; Apr. 18; Serial No. 461,846; published Jan. 25, 1944.

CLASS 12

Buildings, industrial plants, power houses, etc., Standard factory. Austin Company. 186,643; renewed July 22, 1944.
Insulating board. Sonotherm Corporation. 406,661; Apr. 18; Serial No. 452,942; published Aug. 18, 1942.
Plastic compound or composition for sound insulation, etc. Sam Moore & Company. 406,664; Apr. 18; Serial No. 455,569; published Feb. 8, 1944.

CLASS 13

Coil door springs. Sargent & Company. 187,837–8; renewed Aug. 12, 1944.
Plumbing and steam-fitting valves, rivets, nails, etc. Metals Supply Company. 406,659; Apr. 18; Serial No. 450,166; published Feb. 8, 1944.

CLASS 14

Metals, Precious. S. Cohn. 188,348; renewed Aug. 26, 1944.
Steel, High speed. The Midvale Company. 406,712; Apr. 18; Serial No. 464,923; published Feb. 8, 1944.
Tool steel and tool steel alloys. Ziv Steel & Wire Co. 406,683; Apr. 18; Serial No. 465,443; published Feb. 8, 1944.

CLASS 16

Gums and liquid varnishes, Dry. Permatex Company. 187,883; renewed Aug. 12, 1944.

CLASS 21

Alarm devices. Automatic Electrical Devices Co. 406,660; Apr. 18; Serial No. 450,997; published Feb. 8, 1944.
Insulated wires and cables of the type used in communications, etc. Whitney Blake Company. 406,670; Apr. 18; Serial No. 458,363; published Feb. 8, 1944.
Radio receiving, detecting and transmitting sets and parts thereof. Gem Radio Company. 181,933; renewed Apr. 1, 1944.
Radio receiving, detecting and transmitting sets and parts thereof; etc. Columbia Graphophone Manufacturing Company. 184,323; renewed May 20, 1944.

CLASS 22

Game apparatus. E. S. Lowe Company. 406,717; Apr. 18; Serial No. 465,261; published Feb. 8, 1944.
Game, Number. Rhova Rogge. 406,685; Apr. 18; Serial No. 465,697; published Feb. 8, 1944.
Skates, roller skates, and parts thereof, Ice. Winchester Repeating Arms Company. 181,758; renewed Mar. 25, 1944.
Tackle, Fishing. American Display Company. 406,726; Apr. 18.

CLASS 23

Diamond-set cutting, drilling, abrading, etc. Koebel Diamond Tool Co. 406,665; Apr. 18; Serial No. 456,655; published Jan. 18, 1944.
Dish washing machines, Hydraulic. NuTone, Incorporated. 406,702; Apr. 18; Serial No. 464,714; published Feb. 1, 1944.
Drills, reamers and cutters. J. H. Richards. 406,676; Apr. 18; Serial No. 460,434; published Jan. 18, 1944.
Flexible shafts, components thereof, portable power tools. Stow Manufacturing Company. 406,672; Apr. 18; Serial No. 458,973; published Jan. 18, 1944.
Handling and loading apparatus, Vehicle mounted bulk material. Mixermobile Manufacturers. 406,701; Apr. 18; Serial No. 464,544; published Jan. 25, 1944.
Machinery and appliances, Dairy, creamery, milk-plant, cheese-factory, and ice-cream-factory. Creamery Package Mfg. Company. 181,010–18; renewed Mar. 11, 1944.
Printing press rollers. Ideal Roller & Manufacturing Company. 406,707; Apr. 18; Serial No. 464,784; published Jan. 18, 1944.
Shanks and sweeps, Cultivator. T. H. Mayfield. 406,711; Apr. 18; Serial No. 464,859; published Jan. 18, 1944.
Valves, Air control. Ross Operating Valve Company. 406,656–7; Apr. 18; Serial Nos. 447,953–4; published Jan. 18, 1944.
Valves, fuel pumps, manually operable lever type bomb release mechanisms, etc., Multiway. Aero Supply Mfg. Co. Inc. 406,673–4; Apr. 18; Serial Nos. 459,188–9; published Jan. 18, 1944.
Valves, intake valves, bushings, etc., Exhaust. Thompson Aircraft Products Co. 406,671; Apr. 18; Serial No. 458,854; published Jan. 25, 1944.
Water pressure systems, pumps, and engines and parts therefor. W. G. Noack. 179,794; renewed Feb. 19, 1944.
Well supplies. Clayton Mark & Company. 406,677; Apr. 18; Serial No. 460,529; published Jan. 25, 1944.

CLASS 24

Machines, Laundry washing. Continental Radio and Television Corporation. 406,695; Apr. 18; Serial No. 463,930; published Feb. 8, 1944.

CLASS 26

Appliances, Dairy, creamery, milk-plant, cheese-factory, and ice-cream-factory. Creamery Package Mfg. Company. 183,204–6; renewed Apr. 22, 1944.
Lenses, Ophthalmic, etc. American Lens Mfg. Co. 406,722; Apr. 18; Serial No. 465,471; published Feb. 8, 1944.

CLASS 27

Watches, wrist watches, lapel watches, Pocket, etc. L. Sickles. 406,705; Apr. 18; Serial No. 464,730; published Feb. 8, 1944.

CLASS 28

Brooches, pendants, rings, etc. L. Sickles. 406,703; Apr. 18; Serial No. 464,727; published Feb. 8, 1944.
Brooches, pendants, rings, etc. L. Sickles. 406,704; Apr. 18; Serial No. 464,729; published Feb. 8, 1944.
Brooches, pendants, rings, etc. L. Sickles. 406,706; Apr. 18; Serial No. 464,731; published Feb. 8, 1944.
Jewelry. H. Ratner. 180,422; renewed Feb. 26, 1944.

CLASS 31

Machinery and equipment, Dairy, creamery, milk-plant, ice-cream-factory, refrigerating-plant, and ice-making-plant. Creamery Package Mfg. Company. 186,349–51; renewed July 8, 1944.
Refrigerators, Household. The Jewett Refrigerator Co. 406,723; Apr. 18; Serial No. 465,870; published Feb. 8, 1944.

CLASS 32

Cabinets for holding fire extinguishers or the like. W. D. Rossiter. 406,678; Apr. 18; Serial No. 460,582; published Feb. 8, 1944.
Covers, Furniture slip. Comfy Manufacturing Company. 406,725; Apr. 18.
Furniture. S. L. Grossman. 406,731; Apr. 18.
Mattresses, box springs, cushions, etc. S. Karpen & Bros. 406,724; Apr. 18.

CLASS 34

Lanterns and the burners and metal parts thereof, Oil burning. R. E. Dietz Company. 187,676; renewed Aug. 12, 1944.
Stoves and ranges, Gas burning cooking and heating. Caloric Gas Stove Works. 406,669; Apr. 18; Serial No. 457,789; published Feb. 8, 1944.

CLASS 35

Metallic packings. Paxon-Mitchell Company. 187,816; renewed Aug. 12, 1944.

CLASS 36

Drum practice pads, musical instruments, mutes and mufflers. O. Neisser, Jr. 406,740; Apr. 18.
Musical instruments. Fred Gretsch Manufacturing Co. 187,744; renewed Aug. 12, 1944.

CLASS 37

Facial tissue, toilet tissue, etc. A. E. MacAdam & Co. 406,713; Apr. 18; Serial No. 464,976; published Feb. 8, 1944.
Paper of every description. Robert Fletcher & Son. 24,938; re-renewed July 3, 1944.

CLASS 38

Magazine, House organ. Rochester Ropes, Inc. 406,732; Apr. 18.
Magazine published quarterly. Dell Publishing Company. 406,735; Apr. 18.

CLASS 39

Corsets. Abraham & Straus, Inc. 188,064; renewed Aug. 19, 1944.
Dresses, coats, skirts, etc., Women's. Chicago Mail Order Company. 406,733; Apr. 18.
Dresses, coats, suits, Women's, etc. Hattie Carnegie, Inc. 406,697; Apr. 18; Serial No. 464,241; published Jan. 4, 1944.
Dresses, Women's sport. M. Goldstein. 406,730; Apr. 18.
Handkerchiefs, table covers, toweling, etc. S. Blechman & Sons Inc. 188,146; renewed Aug. 19, 1944.
Hats, Men's. J. L. Hudson Company. 188,066; renewed Aug. 19, 1944.
Hosiery for men. Newman & Co. 179,991; renewed Feb. 19, 1944.
Shoes made of rubber, leather and/or fabric. Fashion Bootery. 406,699; Apr. 18; Serial No. 464,480; published Jan. 4, 1944.
Shoes of leather, fabric, Ladies' and misses', etc. Wolff-Tober Shoe Manufacturing Company. 406,658; Apr. 18; Serial No. 449,441; published Jan. 4, 1944.

CLASS 40

Laces and braid, Shoe. H. Fawcett. 186,343; renewed July 8, 1944.

CLASS 42

Bunting in the piece, White and colored. Narwood Bros. 185,738; renewed June 24, 1944.
Bunting in the piece, White and colored. Narwood Bros. 187,109; renewed July 29, 1944.
Goods of cotton, linen, silk, etc. American Bleached Goods Company. 406,729; Apr. 18.
Handkerchiefs, table covers, toweling, etc. S. Blechman & Sons Inc. 188,146; renewed Aug. 19, 1944.
Laces, imitation of handmade laces, Irish laces, duchess laces, etc., Venice. S. Ehrman Co. 181,388; renewed Mar. 18, 1944.
Piece goods, Cotton. Turner & Walls. 187,818; renewed Aug. 12, 1944.

CLASS 43

Yarns. National Spinning Company. 187,943; renewed Aug. 12, 1944.

CLASS 45

Juice, Apple. John C. Morgan Company. 406,700; Apr. 18; Serial No. 464,515; published Feb. 1, 1944.

CLASS 46

Candy. Hawaiian Pineapple Company. 406,715; Apr. 18; Serial No. 465,184; published Feb. 8, 1944.
Canned fish. New England Fish Co. 188,144; renewed Aug. 19, 1944.
Canned pimentos. Fackler, Langford & Taylor. 406,742; Apr. 18.
Canned salmon. W. D. Frith. 180,890; renewed Mar. 11, 1944.
Canned salmon. New England Fish Company. 181,325; renewed Mar. 18, 1944.
Canned salmon. New England Fish Company. 182,358; renewed Apr. 8, 1944.
Canned salmon. New England Fish Company. 185,271; renewed June 10, 1944.
Canned vegetables. Iowa Canning Company. 406,689; Apr. 18; Serial No. 461,819; published Sept. 28, 1943.
Cheese. Pabst Farms. 179,826; renewed Feb. 19, 1944.
Chicks, hatching eggs, etc., Wingless baby. P. H. Baumann. 406,739; Apr. 18.
Dairy, bakery, and confectioners' products. Bessire & Company. 406,662; Apr. 18; Serial No. 454,394; published Feb. 8, 1944.
Feed, chicken feed, and stock feed, Dairy. W. M. Cosby Flour & Grain Co. 184,695; renewed May 27, 1944.
Flour, Prepared mix of wheat and soy. Soy Food Mills. 406,738; Apr. 18.
Flour, Wheat. H. H. King Flour Mills Company. 181,433; renewed Mar. 18, 1944.
Flour, Wheat. Oklahoma Mill Co. 182,300; renewed Apr. 8, 1944.
Flour, Wheat. Southwestern Milling Company Inc. 186,675; renewed July 22, 1944.
Flour, Wheat. Ballard & Ballard Co. 188,196; renewed Aug. 19, 1944.
Food, Dog and cat. M. H. Jacobs. 406,663; Apr. 18; Serial No. 455,481; published Feb. 8, 1944.
Fruits, fruit cocktail and fruit salad, etc. Barron-Gray Packing Company. 406,691; Apr. 18; Serial No. 461,862; published Feb. 8, 1944.
Lard substitute. Wynne Lard & Provision Co. Inc. 180,297; renewed Feb. 26, 1944.
Lemons. Johnston Fruit Company. 406,741; Apr. 18.
Meats, Fresh, pickled, smoked, and cured. E. Kahn's Sons Company. 188,049; renewed Aug. 19, 1944.
Milk, and evaporated milk, Condensed. Nestlé & Anglo-Swiss Condensed Milk Co. 188,089; renewed Aug. 19, 1944.
Oleomargarine. Swift and Company. 186,919; renewed July 22, 1944.
Pickles, mayonnaise and sweet pepper and sweet pickle relishes. Panzer Packing Co. Inc. 406,736–7; Apr. 18.
Shorts, wheat bran, fancy feed, and chicken feed, Wheat. City Mills Company. 188,122; renewed Aug. 19, 1944.
Sugar. South Coast Corporation. 406,698; Apr. 18; Serial No. 464,423; published Feb. 8, 1944.
Vegetables, Fresh. E. D. Wofford. 406,686; Apr. 18; Serial No. 465,675; published Feb. 8, 1944.
Vinegar. House of Herbs, Inc. 406,734; Apr. 18.
Walnuts, shelled and unshelled. North Pacific Nut Growers Cooperative. 406,727; Apr. 18.

CLASS 48

Beer, ale, and porter. American Brewing Company of Rochester. 406,719; Apr. 18; Serial No. 465,307; published Feb. 1, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Heyer, Benjamin F. W., Tenafly, assignor to Knickerbocker Development Corporation, Belleville, N. J. Battery testing apparatus. Re. 22,470; Apr. 18.

Hollis, Homer, Lillie, La., assignor to G. A. Kelly Plow Company, Longview, Tex. Side disk terracing machine. Re. 22,471; Apr. 18.

Kelly, G. A., Plow Company. (See Hollis, Homer, assignor.)

Knickerbocker Development Corporation. (See Heyer, Benjamin F. W., assignor.)

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire hanger. Re. 22,472; Apr. 18.

Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)

LIST OF PLANT PATENTEES

McGuigan, Virgil G., Cedar Springs, assignor to E. D. Smith & Sons, Limited, Winona, Ontario, Canada. Peach tree. 624; Apr. 18.

Smith, E. D., & Sons, Limited. (See McGuigan, Virgil G., assignor.)

LIST OF DESIGN PATENTEES

Allied Purchasing Corporation. (See Kramer, Ferdinand, assignor.)

Amspacker, Charles S., Columbus, Ohio. Badge or article of similar nature. 137,674; Apr. 18.

Baar, Sylvan M., New York, N. Y. Jabot or similar article. 137,698; Apr. 18.

Baar, Sylvan M., New York, N. Y. Jabot or similar article. 137,699; Apr. 18.

Boosey, Lawrence N., Detroit, Mich. Combined valve and vacuum breaker for water systems. 137,700; Apr. 18.

Brown, Ruth J., Middle River, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 137,701; Apr. 18.

Bryant Electric Company, The. (See Smith, Charles J., assignor.)

Caron Corporation. (See Lieberfield, Albert, assignor.)

Conman, Maxwell H., assignor to Pittsburgh Plastics Company, Incorporated, New Kensington, Pa. Bottle cap. 137,702; Apr. 18.

Coro, Inc. (See Katz, Adolph, assignor.)

Després, Lilly D. New York, N. Y., assignor to Weco Products Company, Chicago, Ill. Hair net or similar article. 137,703; Apr. 18.

Douglas, H. A., Mfg. Co. (See Drury. Thomas W., assignor.)

Drury, Thomas W., near Burr Oak, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical receptacle. 137,704; Apr. 18.

Drury, Thomas W., near Burr Oak, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical terminal plug. 137,705; Apr. 18.

Duhrssen, Alfred, New York, N. Y. Plate or similar article. 137,675; Apr. 18.

Edison, Thomas A., Incorporated. (See Somers, Richard M., assignor.)

Eisler, George B., New York, N. Y. Astronomical globe. 137,676; Apr. 18.

Estes, George L., Wichita, Kans. Eraser or the like. 137,706; Apr. 18.

Fibus, Murray M., Youngstown, Ohio. Combined liquor cooling and display stand. 137,677; Apr. 18.

Fink, Fred H., New York, N. Y. Baby carriage. 137,707; Apr. 18.

Firestone Tire & Rubber Company, The. (See Reinecke, Jean O., assignor.)

Grady, John O., Arab, Ala. Knockdown carrier carton. 137,708; Apr. 18.

Granville, Mary E., Philadelphia, Pa. Doll. 137,678; Apr. 18.

Granville, Mary E., Philadelphia, Pa. Doll. 137,679; Apr. 18.

Hegner, Fred, New York, N. Y. Applique. 137,680; Apr. 18.

International Business Machines Corporation. (See Sprecker, A. L., and Supa, assignors.)

Jenkins, Grace L., Waxahachie, Tex. Cow yoke. 137,709; Apr. 18.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 137,681; Apr. 18.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 137,682; Apr. 18.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 137,683; Apr. 18.

Kramer, Ferdinand, Portchester, assignor to Allied Purchasing Corporation, New York, N. Y. Coffee table. 137,684; Apr. 18.

Lachman, Harry, Beverly Hills, Calif. Serving stand. 137,685; Apr. 18.

Leeson, William M., Glens Falls, N. Y. Casing for Fourdrinier shake. 137,710; Apr. 18.

Lieberfield, Albert, assignor to Caron Corporation, New York, N. Y. Bottle or similar article. 137,711; Apr. 18.

Maienthau, Heinz W., assignor to Sears, Roebuck and Co., Chicago, Ill. Toy book. 137,686; Apr. 18.

Martin, Glenn L., Company, The. (See Brown, Ruth J., assignor.)

Miano, Joseph E., New York, N. Y. Package handle or similar article. 137,712; Apr. 18.

Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Electric fence tester. 137,713; Apr. 18.

Morris, Nathan K., Asbury Park, N. J. Combination vegetable peeler, fruit corer, and grapefruit sectionizer. 137,687; Apr. 18.

Pautz, Ormie A., Maribel, Wis. Gambrel hook. 137,714; Apr. 18.

Philippe, Alfred, Providence, R. I. Earring. 137,688; Apr. 18.

Philippe, Alfred, Providence, R. I. Earring. 137,689; Apr. 18.

Pittsburgh Plastics Company. (See Conman, Maxwell H., assignor.)

Prime Manufacturing Company, The. (See Moore, Sidney A., assignor.)

Reinecke, Jean O., Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Toy cricket. 137,692; Apr. 18.

Reinecke, Jean O., Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Toy fish. 137,693; Apr. 18.

Reinecke, Jean O., Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Toy penguin. 137,694; Apr. 18.

Reinecke, Jean O., Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Toy giraffe. 137,695; Apr. 18.

Reinecke, Jean O., Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Toy poodle dog. 137,715; Apr. 18.

Reinecke, Jean O., Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Toy alligator. 137,716; Apr. 18.

Reinecke, Jean O., Oak Park, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Toy turtle. 137,717; Apr. 18.

Robins, Adolf, White Plains, assignor to Tip Top Toy Company, New York, N. Y. Juggling seal toy. 137,696; Apr. 18.

Ryder, Robert R., Ashland, Ohio. Toy. 137,697; Apr. 18.

Sears, Roebuck and Co. (See Maienthau, Heinz W., assignor.)

Sherbondy, William A., Atlanta, Ga. Holder for badge, pencils, and the like. 137,718; Apr. 18.
Smith, Charles J., Fairfield, Conn., assignor to The Bryant Electric Company. Spout for bottle. 137,719; Apr. 18.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combined sound-receiving device and control for dictating machines. 137,720; Apr. 18.
Sprecker, Alfred L., Freeport, and M. Supa, Flushing, assignors to International Business Machines Corporation, New York, N. Y. Clock dial. 137,690; Apr. 18.
Supa, Michael. (See Specker, A. L., and Supa.)
Tip Top Toy Company. (See Robins, Adolf, assignor.)
Torian, Robert C., Beehive, Mont. Combination comb and fingernail file. 137,721; Apr. 18.
Triay, Ferdinand G., Galashiels, England. Game board. 137,722; Apr. 18.
Weco Products Company. (See Després, Lilly D., assignor.)
Wiener, Jack, New York, N. Y. Embroidered trimming or the like. 137,691; Apr. 18.
Wilkens, Emily, New York, N. Y. Dress. 137,723; Apr. 18.
Wilkens, Emily, New York, N. Y. Play-suit ensemble. 137,724; Apr. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aamland, Thor J. (See Curtiss, N. H., and Aamland.)
Abbott, Thomas W. H., Baltimore, Md. Steam heating boiler control. 2,346,890; Apr. 18.
Abegg & Reinhold Co. Ltd. (See Abegg, Walter A., assignor.)
Abegg, Walter A., assignor to Abegg & Reinhold Co. Ltd., Los Angeles, Calif. Kelly bushing. 2,346,958; Apr. 18.
Ackerman, James E., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Binder attachment for sewing machines. 2,347,145; Apr. 18.
Adams, Paul G., Newark, and M. W. Axman, Stirling, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Demand register. 2,347,016; Apr. 18.
Adlington, George S., Winton, Alfriston, England. Prevention of ice accretion. 2,346,891; Apr. 18.
Agriculture of the United States of America, and his successors in office, Claude R. Wickard, Secretary of. (See Mann, Charles W., assignor.)
Ainsworth, George, New Hyde Park, N. Y. Lighting device. 2,346,717; Apr. 18.
Air Reduction Company. (See Anderson, James L., assignor.)
Albert, George, New York, N. Y. Knitting picker and frame. 2,347,069; Apr. 18.
AlnCin, Inc. (See Walker, Victor, assignor.)
Aldrich, Leo S., Wellsburg, assignor to American-La France-Foamite Corporation, Elmira, N. Y. Turn valve. 2,346,892; Apr. 18.
Alien Property Custodian. (See Dumont, Eugen.)
Alien Property Custodian. (See Scherer, O., Dostal, and Dachlauer.)
Alien Property Custodian. (See Schnegg, Robert.)
Allis-Chalmers Manufacturing Company. (See Strehlow, Walter F., assignor.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,346,652; Apr. 18.
Alvey, Leroy E. (See Bullard, E. P., III, Alvey, and Lange.)
American Can Company. (See Geertsen, Nelson, assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Wobbe, Delbert E., assignor.)
American Cyanamid Company. (See Booth, Robert B., assignor.)
American Cyanamid Company. (See Cook, E. W., and Thomas, assignors.)
American Cyanamid Company. (See Shurcliff, William A., assignor.)
American Enka Corporation. (See Moritz, A. J. L., Jackson, and Thurmond, assignors.)
American-La France-Foamite Corporation. (See Aldrich, Leo S., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Tool Works Company, The. (See Kullman, A., and Waltz, assignors.)
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Scarfing. 2,346,718; Apr. 18.
Andrews, Chester E., Overbrook, and M. R. Fenske, State College, assignors to Röhm & Haas Company, Philadelphia, Pa. Separating hydrocarbon mixtures. 2,346,639; Apr. 18.
Anheuser-Busch, Incorporated. (See Hartmann, William H., assignor.)
Anthony, Herman R. C., Madison, Wis., assignor to Ray-O-Vac Company. Making leakproof dry cells. 2,346,640; Apr. 18.
Ariens, Mando S., Brillion, Wis. Rotary soil tiller. 2,347,017; Apr. 18.
Armstrong, George C., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Overload relay. 2,347,018; Apr. 18.
Arthur, James L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition apparatus. 2,347,019; Apr. 18.
Artistic Foundations, Inc. (See Kahn, Mack, assignor.)
Ashbaugh, John H., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,346,641; Apr. 18.
Ashworth, Wylie, Helena, Mont. Puzzle. 2,347,020; Apr. 18.
Aske, Leonard E., assignor to Dayton Rogers Manufacturing Co., Minneapolis, Minn. Punch press. 2,346,719; Apr. 18.
Atlas Press Company. (See Collins, James G., assignor.)
Auerbach, Zemach, New York, N. Y. Container. 2,347,021; Apr. 18.
Austin, Harold R., South Norwalk, Conn., assignor to The M. W. Kellogg Company, New York, N. Y. Lined metal article. 2,347,070; Apr. 18.
Austin, Osias, Brooklyn, N. Y. Applying pigments to surfaces. 2,347,022; Apr. 18.
Automatic Control Corporation. (See Muchow, Elmer, assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Automotive Products Company Limited. (See Clench, E. C. S., and Carlton, assignors.)
Axman, Max W. (See Adams, P. G., and Axman.)
Babcock, Dale F., Elmhurst, and A. W. Larchar, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of olefins and aromatic hydrocarbons. 2,346,642; Apr. 18.
Babcock & Wilcox Company, The. (See Fletcher, James, assignor.)
Bailey, Edgar L., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling. 2,347,071; Apr. 18.
Baker, Albert F., assignor to Hancock Manufacturing Company, Jackson, Mich. Latch mechanism. 2,347,146; Apr. 18.
Baker, George W., New York, N. Y., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Thermionic device and circuit including the same. 2,346,653; Apr. 18.
Balcerzak, Edward C., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Making gas stove burners and core for same. 2,346,720; Apr. 18.
Baldwin Locomotive Works, The. (See Essl, Max, assignor.)
Baltimore Type and Composition Corporation. (See Chamberlain, Joseph B., assignor.)
Barker, William M. (See Hailes, W. D., and Barker.)
Barnett, Lee A., Los Angeles, Calif. Power generating device. 2,346,643; Apr. 18.
Barton, Paul D. (See Dougherty, P. F., and Barton.)
Bassinger, Ross, Houston, Tex. Density determining device. 2,346,721; Apr. 18.
Battelle Memorial Institute. (See Faust, Charles L., assignor.)
Bauer, Hans F., Chicago, J. V. Bauer, Elmwood Park, and D. M. Hawley, Geneva, assignors to Stein, Hall Manufacturing Company, Chicago, Ill. Bonding. 2,346,644; Apr. 18.
Bauer, Jordan V. (See Bauer, Hans F. and J. V., and Hawley.)
Bayles, John W., Roker, Sunderland, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Resistance welding machine. 2,346,645; Apr. 18.
Beatty Bros. Limited. (See Beatty, William G., assignor.)
Beatty, William G., assignor to Beatty Bros. Limited, Fergus, Ontario, Canada. Wringer drive control mechanism. 2,346,893; Apr. 18.
Beaver, Karl. (See Heron, S. D., and Beaver.)
Beech, Edward J., Sumas, Wash. Rotary motor. 2,346,646; Apr. 18.
Beechlyn, John T., assignor to O. S. Walker Co. Inc., Worcester, Mass. Permanent magnet chuck. 2,347,023; Apr. 18.
Beeh, Louis, Long Meadow, Mass. Magnetic spark plug. 2,347,072; Apr. 18.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Recovering solids from solution. 2,347,073; Apr. 18.
Beer, Leo, Philadelphia, Pa. Impregnating composition for textile materials. 2,347,024; Apr. 18.
Bell Aircraft Corporation. (See La Sha, Stanley S., assignor.)
Bell Aircraft Corporation. (See Woods, Robert J., assignor.)
Bell, Noel G., London, England. Pile hammer. 2,346,894; Apr. 18.
Bell Telephone Laboratories, Incorporated. (See Depew Charles, assignor.)
Bell Telephone Laboratories, Incorporated. (See Green, Estill I., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)

Bendix Aviation Corporation. (See Sidwell, Alfred S., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Casler, R. H., and Vorech, assignors.)
Benioff, Hugo, La Canada, Calif., assignor to Submarine Signal Company, Boston, Mass. Electrodynamic vibrator. 2,346,655; Apr. 18.
Bennison, Ernest W., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn. Well screen. 2,346,647; Apr. 18.
Benyak, John A. (See Pollard, E. I., and Benyak.)
Benzick, Alexander, Milwaukee, assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automobile seat. 2,347,025; Apr. 18.
Berghoff, Frank P., La Fayette, Ind. Latch mechanism. 2,346,656; Apr. 18.
Bergman, Simon, New York, N. Y. Vehicle seat. 2,346,895; Apr. 18.
Bergmann, Ernst R., Evergreen Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,347,074; Apr. 18.
Bergvall, Royal C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,347,026; Apr. 18.
Berkowitz Envelope Company. (See Berkowitz, Eugene B., assignor.)
Berkowitz, Eugene B., assignor to Berkowitz Envelope Company, Kansas City, Mo. Envelope or similar container for use in connection with C. O. D. actions. 2,347,075; Apr. 18.
Bernardi, Dominic J. (See Gessler, A. E., and Bernardi.)
Berry, LeRoy E., Stockton, Calif. Dry cleaning machine. 2,346,648; Apr. 18.
Besler, Eduard, Frankfort-on-the-Main, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Lenco sulphuric acid esters of the anthraquinone series. 2,347,027; Apr. 18.
Bethlehem Steel Company. (See Mills, Kenneth N., assignor.)
Bilek, Frank J., and F. Plecki, assignors, by mesne assignments, to The Globe Company, (formerly Gambill Motor Company, Inc.), Chicago, Ill. Barrel truck. 2,346,649; Apr. 18.
Black, James J., assignor to The Trailer Company of America, Cincinnati, Ohio. Turntable mechanism for trailers or trucks. 2,346,900; Apr. 18.
Blair, George W. (See Luxenberger, E. A., Blair, and Schott.)
Blaw-Knox Company. (See Venable, William M., assignor.)
Blessing, Harry A. (See Liebmann, August G., assignor.)
Bloch, Herman S., and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of butane. 2,346,657; Apr. 18.
Booth, Robert B., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Clarification of white water by froth flotation. 2,347,147; Apr. 18.
Bornstein, Leopold F., Wilmington, Del. Allaying and binding coal particles or dust and the like. 2,346,650; Apr. 18.
Bossart, Paul N. (See Grondahl, L. O., and Bossart.)
Bowers, Thomas A., Mattapoisett, assignor to Power Research Comporation, Boston, Mass. Piston ring. 2,346,896; Apr. 18.
Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Multipiece piston ring. 2,346,897; Apr. 18.
Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Making slotted piston rings. 2,346,898; Apr. 18.
Bowers, Thomas A., Matapoisett, assignor to Power Research Corporation, Boston, Mass. Reinforcing means for piston rings. 2,346,899; Apr. 18.
Bowman, Lura E., Asheville, N. C. Leg rest. 2,346,722; Apr. 18.
Bown, Samuel, St. Louis County, assignor to International Shoe Company, St. Louis, Mo. Making shoes. 2,346,651; Apr. 18.
Boynton, Arthur J., Winnetka, and U. H. Stallings, Glenwood, Ill., assignors to Knowles Fuel Process Corporation, New York, N. Y. Production of coke. 2,347,076; Apr. 18.
Bradner, Donald B., Mount Healthy, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Making coated paper. 2,346,812; Apr. 18.
Branden, Michael B., Vancouver, Wash. Grapple. 2,346,901; Apr. 18.
Brawn, Dennis F., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Tank closure. 2,346,723; Apr. 18.
Breese, James L., assignor to Oil Devices, Santo Fe, N. Mex. Bellows operated antiflooding device for liquid fuel burners. 2,346,813; Apr. 18.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner with false bottom. 2,346,814; Apr. 18.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Secondary air supply means for pot type burners. 2,346,815; Apr. 18.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Side wall pilot. 2,346,816; Apr. 18.
Breese, James L., and B. Hayter, assignors to Oil Devices, Santa Fe, N. Mex. Pot with supplemental pilot chamber. 2,346,817; Apr. 18.
Brennan, Joseph B., and L. Marsh, Euclid, Ohio, said Marsh, assignor to said Brennan. Corrosion resistant coating. 2,346,658; Apr. 18.
Bridgeport Fabrics, Inc. (See Spraragen, Louis, assignor.)
Brierley, Edgar. (See Hall, G., and Brierley.)
Briney, Ottis R., Jr., Pontiac, Mich. Tool slide supporting structure. 2,346,724; Apr. 18.
Brogren, Axel V. (See Parsons, J. T., and Brogren.
Brotherton, George A., Laurinburg, N. C. Treating grain. 2,346,902; Apr. 18.
Brown, Robert A., Elizabeth, N. J. Megaphone. 2,346,818; Apr. 18.
Bruce, John K., Randolph, Mass. Merchandise conveyer. 2,346,659; Apr. 18.
Buckley, Arthur H., Chicago, Ill. Automatic control mechanism for motorized typewriters. 2,346,819; Apr. 18.
Bullard Company, The. (See Bullard, E. P., III, Alvey, and Lange, assignors.)
Bullard, Edward P. III, Fairfield, L. E. Alvey, and P. H. Lange, Bridgeport, Conn., assignors to The Bullard Company. Feed control for machine tools. 2,346,660; Apr. 18.
Burgess, William S., assignor to Weaver Associates Corporation, Washington, D. C. Hull form. 2,347,077; Apr. 18.
Butzke, Netty, Brooklyn, N. Y. Sterilizing container for syringe and hypodermic needles. 2,346,725; Apr. 18.
Buxbaum, Edwin C., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing compounds of the anthraquinone series. 2,346,726; Apr. 18.
Buxbaum, Edwin C. (See Lulek, R. N., and Buxbaum.)
Buxton, Incorporated. (See Buxton, Warner R., assignor.)
Buxton, Mabel A., executrix. (See Buxton, Warner R.)
Buxton, Warner R., deceased, by M. A. Buxton, Longmeadow, executrix, assignor to Buxton, Incorporated, Springfield, Mass. Closure for flexible pocket receptacles. 2,347,078; Apr. 18.
Caffrey, Charles S., Port Washington, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web roll controlling mechanism. 2,346,903; Apr. 18.
Calder, Caesar A. (See Shaw, Louis E., assignor.)
Camp, Elza Q., Goose Creek, Tex., assignor to Standard Oil Development Company. Protection of relief valves. 2,346,727; Apr. 18.
Campbell, Dana A. (See Ginn, E., Casselman, and Campbell.)
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,347,079; Apr. 18.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,347,080; Apr. 18.
Campbell-Taggart Research Corporation. (See Claus, Wilbur S., assignor.)
Cannon, Ralph S., Jr., Falls Church, Va., and K. J. Murata, Washington, D. C. Estimating molybdenum content of scheelite or calcium tungstate by visual color of its fluorescence. 2,346,661; Apr. 18.
Carbide and Carbon Chemicals Corporation. (See Kratz, Edouard M., assignor.)
Carbide and Carbon Chemicals Corporation. (See Plewes, Argyle C., assignor.)
Carborundum Company, The. (See Geiger, C. F., Clapp, and Kempf, assignors.)
Carlson, Emil, Detroit, Mich. Power driven operating means for extensible and retractible aerials. 2,346,728; Apr. 18.
Carlson, Ralph G., assignor to Crane Co., Chicago, Ill. Valve. 2,346,904; Apr. 18.
Carlton, Quintin H. (See Clench, E. C. S., and Carlton.)
Caron, Joseph V., Haverhill, Mass. Internal combustion engine. 2,346,729; Apr. 18.
Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Filament mount. 2,347,028; Apr. 18.
Casco Products Corporation. (See Lehmann, Herbert G., assignor.)
Casler, Roger H., and S. Vorech, assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Power gear shifting mechanism. 2,346,820; Apr. 18.
Casselman, Harold L. (See Ginn, E., Casselman, and Campbell.)
Catford, Adrian L. (See Halford, F. B., and Catford.)
Caton, Joseph D., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Trailer hitch. 2,347,081; Apr. 18.
Celanese Corporation of America. (See Jackson, T., Finlayson, and Frearson, assignors.)
Century Distributors. (See Sabin, Oliver.)
Challet, Etienne, Berne, assignor to Enterprises Electriques Fribourgeoises, Fribourg, Switzerland. Switch for electrothermal apparatus. 2,346,730; Apr. 18.
Chamberlain, Joseph B., Kensington, assignor to Baltimore Type and Composition Corporation, Baltimore, Md. Braille type. 2,347,148; Apr. 18.
Champion Paper and Fibre Company, The. (See Bradner, Donald B., assignor.)
Chedister, Conkling, Livingston, N. J. Sound recording. 2,346,905; Apr. 18.

Cheney, Charles W., Soho, Birmingham, England. Manufacture of band clips having closing worm gears. 2,346,906; Apr. 18.
Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Suppression of metal catalysis. 2,346,662; Apr. 18.
Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Suppression of metal catalysis. 2,346,663; Apr. 18.
Chirgwin, Frederick H., Los Angeles, Calif., assignor to B. F. Sturtevant Company, Boston, Mass. Air nozzle. 2,347,149; Apr. 18.
Christensen, Olaf. (See Oftedal, P. R., and Christensen.)
Christopher, Edward F., assignor to Industrial Patents Corporation, Chicago, Ill. Skins and dehairing. 2,346,907; Apr. 18.
Chromogen, Incorporated. (See Michaelis, Walter, assignor.)
Chrysler Corporation. (See Bailey, Edgar L., assignor.)
Chrysler Corporation. (See Caton, Joseph D., assignor.)
Chrysler Corporation. (See Cousino, Walter P., assignor.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Chrysler Corporation. (See Werdehoff, Albert B., assignor.)
Ciba Pharmaceutical Products, Incorporated. (See Hartmann, M., and Schlittler, assignors.)
Cissell, William M., near Louisville, Ky. Apparatus for spotting fabric materials. 2,346,821; Apr. 18.
Clancy, Gilbert E., Santa Fe, N. Mex., assignor to Drayer & Hanson, Incorporated, Los Angeles, Calif. Heat transfer apparatus. 2,346,822; Apr. 18.
Clapp, Channing P. (See Geiger, C. F., Clapp, and Kempf.)
Claus, Wilbur S., assignor to Campbell-Taggart Research Corporation, Kansas City, Mo. Method and apparatus for testing dough and the like. 2,347,082; Apr. 18.
Clay, Victor G. (See Hudson, F., and Clay.)
Clench, Edward C. S., and Q. H. Carlton, assignors to Automotive Products Company Limited, Leamington Spa, England. Profile duplicating machine. 2,346,823; Apr. 18.
Cleveland Patents, Incorporated. (See Hickok, Robert D., assignor.)
Cohen, Sol D., assignor to Paper Novelty Manufacturing Company, New York, N. Y. Ornamental article and making same. 2,346,824; Apr. 18.
Cole, Arthur D., Minneapolis, Minn. Draft regulator. 2,346,825; Apr. 18.
Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Drill press. 2,346,731; Apr. 18.
Colt's Patent Fire Arms Manufacturing Company. (See Ironside, George, assignor.)
Connellee, Anita N. and L., Ottawa, Ill. Apparatus and method for marbleizing comestibles or the like. 2,347,083; Apr. 18.
Connellee, Linwood. (See Connellee, Anita N. and L.)
Consolazio, William V., Watertown, assignor to Macalaster Bicknell Company, Cambridge, Mass. Sterilizing means for infant-feeding bottle. 2,347,150; Apr. 18.
Continental Motors Corporation. (See Engstrom, W., and Ginn, assignors.)
Continental Motors Corporation. (See Ginn, Earl, assignor.)
Continental Motors Corporation. (See Ginn, E., Casselman, and Campbell, assignors.)
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Bis-(2,4-dialkylphenol)-4-alkyl phenol sulphides and salts thereof. 2,346,826; Apr. 18.
Cooney, John R., Waldoboro, Maine, assignor to Radio Corporation of America. Noiseless sound system. 2,347,084; Apr. 18.
Corley, Gale C., Clinton, Ill., assignor of one-half to G. W. Lincoln, Jr., Louisville, Ky. Flexible roll-up drawing board. 2,346,908; Apr. 18.
Corning Glass Works. (See Littleton, J. T., and Day, assignors.)
Corson, Ben B., Swissvale, Pa., assignor to Koppers Company. Sur-refining of coal-tar derivatives and the like. 2,346,664; Apr. 18.
Costley, Henry R., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Polishing machine. 2,347,029; Apr. 18.
Cotter, Milton A., Los Angeles, Calif. Sweatbox. 2,346,827; Apr. 18.
Courtaulds Limited. (See Wilcock, Clifford C., assignor.)
Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle lighting. 2,347,085; Apr. 18.
Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,347,030; Apr. 18.
Crane Co. (See Carlson, Ralph G., assignor.)
Crane Co. (See Oravec, Emil G., assignor.)
Crane Packing Company. (See Matter, Albert J., assignor.)
Crawford, Chester C., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of hypohalous acid solutions. 2,347,151; Apr. 18.
Crawford, John, Detroit, and G. M. Wiegand, assignors to Ford Motor Company, Dearborn, Mich. Vibration damper. 2,346,732; Apr. 18.
Creed and Company Limited. (See Salmon, R. D., and Kirchel, assignors.)
Croup, Alfred H. (See Samson, E. W., and Croup.)
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acid. 2,346,665; Apr. 18.
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Air filter. 2,347,031; Apr. 18.
Curtis Companies Incorporated. (See Green, Edward E., assignor.)
Curtis, Edward W., Jr., Langhorne, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y. Package for carbon paper. 2,346,828; Apr. 18.
Curtiss, Nathaniel H., Clifton, and T. J. Aamland, Leonia, N. J., assignors to United States Rubber Company, New York, N. Y. Tube corrugating machine. 2,347,086; Apr. 18.
Cutler-Hammer, Inc. (See Seeger, E. W., Senn, and Stansbury, assignors.)
Dachlauer, Karl. (See Scherer, O., Dostal, and Dachlauer.)
Dahl-Rode, Svein, New York, N. Y. Water softening material and the manufacture thereof. 2,346,909; Apr. 18.
Daily, Robert A. (See Seabury, R. L., and Daily.)
Dakin, Frederic A., trustee. (See Houghton, Alexis C., assignor.)
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Compositions containing a diamino triazinyl substituted alkyl sulphide. 2,347,032; Apr. 18.
Dally, Roy, assignor to Webster Electric Company, Racine, Wis. Tone arm. 2,346,733; Apr. 18.
Davidson, Wilson. (See Geiger, W. J., and Davidson.)
Davis, Ernest, Syracuse, assignor to The Prosperity Company, Inc., New York, N. Y. Two-hand control for power actuated machines. 2,346,829; Apr. 18.
Davis, James C. Jr., et al. (See Lewis, Thomas B., assignor.)
Day-Brite Lighting, Inc. (See King, Harry C., assignor.)
Day, Ralph K. (See Littleton, J. T., and Day.)
Dayton, Max E., assignor of one-half to Bay St. John, Rockford, Ill. Coupler. 2,347,033; Apr. 18.
Dayton Rogers Manufacturing Co. (See Aske, Leonard E., assignor.)
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Service meter and relay for telecommunication systems. 2,346,910; Apr. 18.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Line selector switch. 2,346,911; Apr. 18.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Clutch for telecommunication selector switches. 2,346,912; Apr. 18.
Deinet, Joseph. (See Wuertz, A. J., and Deinet.)
De Lanty, Loren J., Spring Valley, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Tube tester. 2,346,830; Apr. 18.
Dempsey, Henry J., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining of mineral oil. 2,346,734; Apr. 18.
Dempsey, Oscar E., Tulsa, Okla. Differential valve. 2,346,666; Apr. 18.
Dempster Mill Manufacturing Company. (See Elliott, William, assignor.)
Denison, George H., Jr., (See Gardiner, E. W., and Denison.)
Depew, Charles, Oakland, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,346,913; Apr. 18.
Deyarmond, Herbert P., Los Angeles, Calif. Saw retoother. 2,347,087; Apr. 18.
Dock, Mortimer R., New York, N. Y. Chain link. 2,347,088; Apr. 18.
Donaldson, Werner G., Independence, Mo. Electrical or mechanical connector. 2,347,089; Apr. 18.
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Turbine bucket wheel and the like. 2,347,034; Apr. 18.
Dostal, Franz. (See Scherer, O., Dostal, and Dachlauer.)
Dougherty, Patrick F., Chester, and P. D. Barton, Phoenixville, assignors to Sun Oil Company, Philadephia, Pa. Detecting petroleum deposits. 2,346,735; Apr. 18.
Douglas, H. A., Mfg. Co. (See Drury, Thomas W., assignor.)
Douglas, John F., assignor to Durabilt Steel Locker Co., Aurora, Ill. Filing equipment. 2,347,035; Apr. 18.
Dowty, George H., Cheltenham, England. Resilient suspension device. 2,346,667; Apr. 18.
Drake, Earl D., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,347,090; Apr. 18.
Drayer & Hanson, Incorporated. (See Clancy, Gilbert E., assignor.)
Drucker, William J., Richmond Hill, N. Y. Refrigerated display cabinet. 2,346,914; Apr. 18.

Drury, Thomas W., Burr Oak, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical connection means. 2,346,831; Apr. 18.
Dumont, Eugen, Troisdorf, near Cologne, Germany; vested in the Alien Property Custodian. Production of filaments from molten thermophastic materials. 2,347,036; Apr. 18.
Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,346,668; Apr. 18.
Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,346,669; Apr. 18.
Dunn, G. Leslie. (See Oftedal, P. R., and Christensen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Babcock, D. F., and Larchar, assignors.)
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cupery, Martin E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hemming, Charles B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Oliver H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lulek, R. N., and Buxbaum, assignors.)
Du Pont, E. I., de Nemours & Company. (See Mighton, Charles J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reynolds, William B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., Sparks, and Maynard, assignors.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Deinet, assignors.)
Durabilt Steel Locker Co. (See Douglas, John F., assignor.)
Eaton Manufacturing Company. (See Brawn, Dennis F., assignor.)
Edelstein, Edwin. (See Palmer, R. C., and Edelstein.)
Edelstein, Edwin. (See Palmer, R. C., Oliver, and Edelstein.)
Edwards, Martin A., Scotia, D. E. Garr, Schenectady, and B. S. Weaver, Scotia, N. Y., assignors to General Electric Company. Test system. 2,347,037; Apr. 18.
Elsele, Logan, Nashville, Tenn. Bottle with temperature indicating means. 2,346,832; Apr. 18.
Electric Storage Battery Co., The. (See Olson, Clair D., assignor.)
Ellinghouse, Edgar H., Davenport, Iowa. Boat construction. 2,346,959; Apr. 18.
Elliott, William, assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Planting mechanism. 2,347,091; Apr. 18.
Endless Belt Corporation. (See Goepfert, Otto F., assignor.)
Engler, Walter N., Scarsdale, and B. L. Kline, Manhasset, assignors to The Western Union Telegraph Company, New York, N. Y. Recording signals electrically. 2,346,670; Apr. 18.
Engstrom, William, Muskegon, and E. Ginn, North Muskegan, assignors to Continental Motors Corporation, Muskegon, Mich. Crankcase ventilating system. 2,346,736; Apr. 18.
Enright, John J., Pittsburgh, and H. E. Foote, Mount Lebanon, Pa., assignors to Standard Brands Incorporated, New York, N. Y. Treating yeast. 2,346,671; Apr. 18.
Enterprises Electriques Fribourgeoises. (See Challet, Etienne, assignor.)
Eskimo Pie Corporation. (See Watts, Warren S., assignor.)
Eskimo Pie Corporation. (See Watts, W. S., and Losson, assignors.)
Essl, Max, Swarthmore, Pa., assignor to The Baldwin Locomotive Works. Reversing mechanism for engines. 2,346,737; Apr. 18.
Ethyl Corporation et al. (See Heron, Sam D., assignor.)
Ethyl Corporation et al. (See Heron, S. D., and Beaver, assignors.)
Etten, Nicholas L., Waterloo, Iowa. Pivotal frame wringer. 2,346,738; Apr. 18.
Evans, David W. T., Sutton Coldfield, assignor to T. I. (Group Services) Limited, Birmingham, England. Drawbench dog. 2,347,038; Apr. 18.
Evans, Richard D., St. Louis, Mo. Circulating and filtering system for swimming pools and the like. 2,347,092; Apr. 18.
Evans, Theodore W. (See Crawford, C. C., and Evans.)
Ewing, Arthur R., Chicago, Ill. Rear view mirror. 2,346,739; Apr. 18.
Express Lift Company Limited. (See Hunt, Stanley T., assignor.)
Faulhaber Company, The. (See Faulhaber, Roland W., assignor.)
Faulhaber, Roland W., assignor to The Faulhaber Company, Monroeville, Ohio. Saddle construction. 2,347,093; Apr. 18.
Faust, Charles L., assignor to Battelle Memorial Institute, Columbus, Ohio. Anodically polishing copper. 2,347,039; Apr. 18.
Faust, Charles L., assignor to Battelle Memorial Institute, Columbus, Ohio. Anodically polishing steel. 2,347,040; Apr. 18.
Fein & Glass, Inc. (See Grossman, William, assignor.)
Felins Tying Machine Company. (See Radeck, Frank, assignor.)
Fenske, Merrell R. (See Andrews, C. E., and Fenske.)
Fernandez, Philip C., Boston, Mass. Game. 2,347,094; Apr. 18.
Ferro Nitrogen Corporation. (See Franchot, Richard, assignor.)
Field, Edward A., Jr., Mendota, Ill. Draft regulator. 2,346,740; Apr. 18.
Filander, Arthur H. (See Woodard, W. E., and Filander.)
Filsinger, Rudolf, Fairfield, Conn. Artificial cake. 2,347,041; Apr. 18.
Finlayson, Donald. (See Jackson, T., Finlayson, and Frearson.)
Fleischhauer, Richard, and A. Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. 1-aryl-amino - 5 - hydroxynaphthalene - 7 - sulphonic acid. 2,347,042; Apr. 18.
Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid system. 2,346,672; Apr. 18.
Fluke, Jesse A., Argus, Pa. Insert chaser holder. 2,347,043; Apr. 18.
Foote, Herbert E. (See Enright, J. J., and Foote.)
Ford Motor Company. (See Crawford, J., and Wiegand, assignors.)
Ford Motor Company. (See Zoerlein, Emil, assignor.)
Forhan, Gladys. (See Rauen, C. F., and Forhan.)
Frances, Joseph E., Oakland, Calif. Pipe bell hub and sealing means. 2,347,044; Apr. 18.
Franchot, Richard, assignor to Ferro Nitrogen Corporation, Washington, D. C. Blast furnace cyanide outlet. 2,347,045; Apr. 18.
Frearson, Thomas B. (See Jackson, T., Finlayson, and Frearson.)
Frederick, Kenneth L., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,346,915; Apr. 18.
Frederickson, Clayton E., Chicago, Ill. Hydraulic brake. 2,346,833; Apr. 18.
Fredriksen, Fred, Chicago, Ill. Safety seal for fire extinguishers. 2,346,741; Apr. 18.
Friden Calculating Machine Co. (See Friden, C. M., and Moody, assignors.)
Friden, Carl M., Pleasanton, and J. L. Moody, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Calculating machine. 2,346,834; Apr. 18.
Fuel Refining Corporation. (See Otto, Carl, assignor.)
Fuller Company. (See Hornbrook, Philip R., assignor.)
Gaddie, John D., Union City, Tenn. Vegetable washer. 2,346,742; Apr. 18.
Garbarino, Frank, Waltham, assignor to Lewis-Shepard Company, Watertown, Mass. Portable industrial skid. 2,347,095; Apr. 18.
Gardiner, Elmslie W., and G. H. Denison, Jr., Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,347,152; Apr. 18.
Garr, Donald E. (See Edwards, M. A., Garr, and Weaver.)
Geertsen, Nelson, Chicago, Ill., assignor to American Can Company, New York, N. Y. Press. 2,346,673; Apr. 18.
Geiger, Charles F., Metuchen, C. P. Clapp, Woodbridge Township, and W. C. Kempf, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Apparatus for transferring granular material. 2,346,743; Apr. 18.
Geiger, Walter J., and W. Davidson, Cleveland Heights, Ohio, assignors to General Electric Company. Method and apparatus for loading flash lamps. 2,347,046; Apr. 18.
General Aniline & Film Corporation. (See Besler, Eduard, assignor.)
General Aniline & Film Corporation. (See Fleischhauer, R., and Müller, assignors.)
General Candy Corporation. (See Petrilli, Santy C., assignor.)
General Electric Company. (See Cartun, Paul O., assignor.)
General Electric Company. (See D'Alelio, G. F., and Underwood, assignors.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Edwards, M. A., Garr, and Weaver, assignors.)
General Electric Company. (See Geiger, W. J., and Davidson, assignors.)
General Electric Company. (See Gordon, N. T., and Whitney, assignors.)
General Electric Company. (See Hobson, Leland S., assignor.)
General Electric Company. (See Johnson, Wilber M., assignor.)
General Electric Company. (See Kennedy, Luke F., assignor.)
General Electric Company. (See Mead, Milton S., Jr., assignor.)
General Electric Company. (See Mungall, Robert W., assignor.)
General Electric Company. (See Noel, Edward B., assignor.)

General Mills, Inc. (See Leahey, Garret D., assignor.)
General Motors Corporation. (See Arthur, James L., assignor.)
General Motors Corporation. (See Grooms, Albert O., assignor.)
General Motors Corporation. (See Hughes, Frederick G., assignor.)
General Motors Corporation. (See Packard, Robert H., assignor.)
General Motors Corporation. (See Poole, Lora E., assignor.)
General Motors Corporation. (See Seabury, R. L., and Daily, assignors.)
General Tire & Rubber Company, The. (See Kraft, H. T., and W. C. McCoy, assignors.)
General Railway Signal Company. (See Hailes, W. D., and Barker, assignors.)
Gessler, Albert E., New York, and D. J. Bernardi, Astoria, Long Island, assignors to Interchemical Corporation, New York, N. Y. Printing method and paper for use therein. 2,347,047; Apr. 18.
Gibson Refrigerator Company. (See Schurtz, R. E., and Roth, assignors.)
Ginn, Earl. (See Engstrom, W., and Ginn.)
Ginn, Earl, North Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,347,096; Apr. 18.
Ginn, Earl, North Muskegon, H. L. Casselman, Muskegon, and D. A. Campbell, Spring Lake, assignors to Continental Motors Corporation, Muskegon, Mich. Cylinder head and combustion chamber construction. 2,347,097; Apr. 18.
Girard Manufacturing Products, Inc. (See Robinson, Girard C., assignor.)
Glassman, Cleveland C., Jackson, Tenn. Bait box. 2,346,744; Apr. 18.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Globe Company, The, (formerly Gambill Motor Company, Inc.). (See Bilek, F. J., and Plecki, assignors.)
Glynn, Edwin A. (See Kuster, W. H., and Glynn.)
Goepfert, Otto F., Brevard, N. C., assignor to Endless Belt Corporation. Belt sizing composition and method. 2,346,674; Apr. 18.
Goff, Harold E., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Loom shuttle. 2,346,745; Apr. 18.
Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)
Gordon, Newell T., and W. R. Whitney, Schenectady, N. Y., assignors to General Electric Company. Vapor electric device and operation. 2,347,048; Apr. 18.
Green, Arthur B., Needham, assignor to Paprex Company, Wakefield, Mass. Continuous freeness recording method and means. 2,346,746; Apr. 18.
Green, Edward E., assignor to Curtis Companies Incorporated, Clinton, Iowa. Structural joint. 2,347,049; Apr. 18.
Green, Emmet M., Los Angeles, Calif. Screw fastener. 2,346,835; Apr. 18.
Green, Estill I., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave modulation. 2,347,098; Apr. 18.
Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Reverse gear. 2,347,099; Apr. 18.
Gries, Otto, New Rochelle, N. Y., assignor to Gries Reproducer Corporation. Button shank. 2,346,747; Apr. 18.
Gries Reproducer Corporation. (See Gries, Otto, assignor.)
Grocott, Alfred J., Blackley, England. Portable hand-operated pump. 2,347,100; Apr. 18.
Grondahl, Lars O., Pittsburgh, and P. N. Bossart, Chesswick, assignors to The Union Switch & Signal Company, Swissvale, Pa. Control apparatus. 2,346,748; Apr. 18.
Grondahl, Lars O., Pittsburgh, and P. N. Bossart, Chesswick, assignors to The Union Switch & Signal Company, Swissvale, Pa. Control apparatus. 2,346,749; Apr. 18.
Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Electrical control means 2,346,836; Apr. 18.
Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,346,837; Apr. 18.
Grossman, William, Reading, Pa., assignor of one-half to Fein & Glass, Inc. Shoe. 2,346,960; Apr. 18.
Gundelfinger, William F., and O. Lamb, assignors to Knapp-Monarch Company, St. Louis, Mo. Electric handsaw. 2,346,961; Apr. 18.
Gustavson, Alvin N., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,346,962; Apr. 18.
Guyer, Jesse A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reactivation of contact catalysts. 2,346,750; Apr. 18.
Gwirtz, I. R., et al. (See Sabin, Oliver, assignor.)
Gyro-Balance Corporation. (See Laboulais, Jean L., assignor.)
Hackenberg, John H., New York, N. Y., and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Electrical recording stylus and making the same. 2,346,675; Apr. 18.
Hagen, Harold F., Wellesley, and R. T. Palmer, Sharon, assignors to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Engine cooling system. 2,347,153; Apr. 18.
Hague, Wakefield, Dallas, Tex. Row crop harvester and header. 2,346,963; Apr. 18.
Haight, Norman L., assignor to Sperry Products, Inc., Hoboken, N. J. Follow-up and compensating system. 2,346,838; Apr. 18.
Hailes, William D., Brighton, and W. M. Barker, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Relay. 2,346,751; Apr. 18.
Hair, Charles E. and R. T., Benton, Ill. Coal-mining machine. 2,346,676; Apr. 18.
Hair, Charles E. and R. T., Benton, Ill. Coal-mining machine. 2,346,677; Apr. 18.
Hair, Charles E. and R. T., Benton, Ill. Coal-mining machine. 2,346,678; Apr. 18.
Hair, Charles E. and R. T., Benton, Ill. Coal-mining machine. 2,346,679; Apr. 18.
Hair, Richard T. (See Hair, Charles E. and R. T.)
Halford, Frank B., Edgware, and A. L. Catford, Hampton, assignors to D. Napier & Son Limited, London, England. Apparatus for the control of internal combustion engines. 2,346,916; Apr. 18.
Hall, George, and E. Brierley, Rochdale, England. Transmission gearing. 2,346,752; Apr. 18.
Hammermill Paper Company. (See Samson, E. W., and Croup, assignors.)
Hancock Manufacturing Company. (See Baker, Albert F., assignor.)
Harding, Watson G., Radburn, N. J., assignor to United States Rubber Company, New York, N. Y. Making corrugated tubes. 2,347,101; Apr. 18.
Harper, Elwood, Dayton, Ohio. Propeller spinner. 2,346,680; Apr. 18.
Harper, George W., Cleveland, Ohio, assignor, by mesne assignments, to The Timken-Detroit Axle Company, Detroit, Mich. Speedometer drive. 2,346,681; Apr. 18.
Harper, Lyndus E., assignor to Omega Machine Company, Kansas City, Mo. Positive displacement pump. 2,346,964; Apr. 18.
Harris, Benjamin R., Chicago, Ill. Treatment of liquid egg material. 2,346,682; Apr. 18.
Harris, Thaddeus S., Waverly, Ill. Electric fence control unit. 2,346,965; Apr. 18.
Harriss, Lloyd J., Kenilworth, and B. Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss. Baking utensil. 2,346,839; Apr. 18.
Hartmann, Max, Riehen, and E. Schlittler, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Preparation of cardiac glucoside. 2,346,753; Apr. 18.
Hartmann, William H., assignor to Anheuser-Busch, Incorporated, St. Louis, Mo. Machine for reshaping used bottle caps. 2,347,102; Apr. 18.
Hartmann Trunk Company. (See Ritter, Alois A., assignor.)
Hawley, Don M. (See Bauer, Hans F. and J. V., and Hawley.)
Hayes, Ralph F., North Wilbraham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polystyrene composition. 2,347,103; Apr. 18.
Hayter, Bruce. (See Breese, J. L., and Hayter.)
Hazeltine Corporation. (See Rado, John A., assignor.)
Heger, Wilhelm A., Landsdowne, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Take-off and tensioning device for strand supplies. 2,346,917; Apr. 18.
Heide, Frank W., San Francisco, Calif. Scriber. 2,346,840; Apr. 18.
Hemming, Charles B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion composition. 2,346,755; Apr. 18.
Hemminger, Charles E., Westfield, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Fuel oil gasification. 2,346,754; Apr. 18.
Hemphill Company. (See Smith, William L., Jr., assignor.)
Henderson, Stanford, Buffalo, N. Y. Thermotic pump. 2,346,841; Apr. 18.
Henney Motor Company. (See Schofield, Earl L., assignor.)
Herbert, Alfred, Limited. (See Lloyd, Arthur H., assignor.)
Herbranson, Edward O., Hibbing, Minn. Scarf. 2,346,918; Apr. 18.
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Hercules Powder Company. (See Long, John H., assignor.)
Hercules Powder Company. (See Miller, Abraham B., assignor.)
Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)

Hercules Powder Company. (See Schlaanstine, Raymond F., assignor.)
Hercules Powder Company. (See Schultz, E. D., and Shaefer, assignors.)
Heron, Sam D., assignor of one-half to Ethyl Corporation, Detroit, Mich., and one-half to United Aircraft Corporation, East Hartford, Conn. Spark plug. 2,347,050; Apr. 18.
Heron, Sam D., and K. Beaver, assignors of one-half to Ethyl Corporation, Detroit, Mich., and one-half to United Aircraft Corporation, East Hartford, Conn. Spark plug. 2,347,051; Apr. 18.
Heymann, Seymour E., assignor to Stewart-Warner, Corporation, Chicago, Ill. Heating apparatus. 2,346,966; Apr. 18.
Hickok, Robert D., Bratenahl, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio. Ratio meter. 2,346,683; Apr. 18.
Hill-Rom Company. (See Hillenbrand, William A., assignor.)
Hillenbrand, William A., assignor to Hill-Rom Company, Inc., Batesville, Ind. Table construction. 2,346,919; Apr. 18.
Hobson, Leland S., Drexel Hill, Pa., assignor to General Electric Company. Electric circuit breaker. 2,347,052; Apr. 18.
Holden, John, Reddish, Stockport, England, assignor to Keuffel & Esser Company, Hoboken, N. J. Blueprint. 2,346,872; Apr. 18.
Holmes, Harleigh R., Littleton, Colo. Wheel construction for front wheel drives. 2,346,842; Apr. 18.
Hooper, F. X., Company. (See Shackelford, W. G., and Wiley, assignors.)
Hoover, Walter S., Montreal, Quebec, Canada. Combined speed and velocity responsive variable pitch propeller mechanism. 2,347,104; Apr. 18.
Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Paper reel brake. 2,346,756; Apr. 18.
Hopper, Bert A., Flint, Mich. Explosive projectile. 2,346,843; Apr. 18.
Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catasaugua, Pa. Conveying apparatus. 2,347,105; Apr. 18.
Horner, Russell S., Geneva, Ohio. Scraper. 2,346,757; Apr. 18.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,346,684; Apr. 18.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,346,685; Apr. 18.
Houghton, Alexis C., Bartlett, Calif., assignor to F. A. Dakin, Boston, Mass., as trustee. Purifying crude sodium carbonate. 2,347,053; Apr. 18.
Howell, William S., Lafayette, N. J. Truck trailer. 2,347,106; Apr. 18.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching system. 2,347,107; Apr. 18.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter for telephone signaling systems. 2,347,108; Apr. 18.
Hudson, Frank, Irwin, and V. G. Clay, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,346,967; Apr. 18.
Hughes, Frederick G., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Brake. 2,346,758; Apr. 18.
Hull, Maurice E., Columbus, Ohio, assignor to M & R Dietetic Laboratories, Inc. Treating milk. 2,346,844; Apr. 18.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated product. 2,346,920; Apr. 18.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated product. 2,346,921; Apr. 18.
Hunt, Stanley T., Northampton, assignor to Express Lift Company Limited, London, England. Elevator control system. 2,347,054; Apr. 18.
Hurxthal, Alpheus O., Wyncote, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Leather drier. 2,347,109; Apr. 18.
Hussey, Albert R. (See Pennybacker, M., and Hussey.)
Hutchinson, Charles, Kamloops, British Columbia, Canada. Mousetrap. 2,347,110; Apr. 18.
Imperial Chemical Industries Limited. (See Lodge, F., Lowe, and Tatum, assignors.)
Imperial Chemical Industries Limited. (See Sandford, J. B., and Lefebure, assignors.)
Independent Pneumatic Tool Company. (See Mitchell, Walter G., assignor.)
Industrial Patents Corporation. (See Christopher, Edward F., assignor.)
Industrial Patents Corporation. (See Urbain, Walter M., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Interchemical Corporation. (See Gessler, A. E., and Bernardi, assignors.)
Interchemical Corporation. (See Jeuck, F. J., and Rietz, assignors.)
Interchemical Corporation. (See Jones, Wilbur L., assignor.)
International Shoe Company. (See Bown, Samuel, assignor.)
International Standard Electric Corporation. (See Deakin, Gerald, assignor.)
International Standard Electric Corporation. (See Litton, Charles V., assignor.)
International Standard Electric Corporation. (See Van Mierlo, Stanislas, assignor.)
International Standard Electric Corporation. (See Wolfson, H., and Shepard, assignors.)
Interstate Bag Co. (See Steen, Harford K., assignor.)
Interstate Bakeries Corporation. (See Tod, John, assignor.)
Ipatieff, Vladimir N. (See Pines, H., and Ipatieff.)
Ironside, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Machine gun mount. 2,346,845; Apr. 18.
Isaacs, Thomas W., Bakersfield, Calif. Cable socket. 2,346,846; Apr. 18.
Jack & Heintz, Inc. (See Kelstman, Arnold R., assignor.)
Jackson, Aldrich L., Minneapolis, Minn. Electric meat chopper and tenderizer. 2,346,686; Apr. 18.
Jackson, Arthur L. (See Mortiz, A. J. L., Jackson, and Thurmond.)
Jackson, Thomas, D. Finlayson, and T. B. Frearson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile product. 2,346,759; Apr. 18.
Jacobs Manufacturing Company, The. (See Stoner, Arthur M., assignor.)
Jens, Albert A. (See Williams, H. O., and Jens.)
Jesionowski, John, Hartford, Conn. Sine vise. 2,347,111; Apr. 18.
Jeuck, Francis J., Chicago, and C. A. Rietz(Park Ridge, Ill., assignors to Interchemical Corporation, New York, N. Y. Typographic printing ink. 2,346,968; Apr. 18.
Jeuck, Francis J., Chicago, and C. A. Rietz, Park Ridge, Ill., assignors to Interchemical Corporation, New York, N. Y. Printing ink. 2,346,969; Apr. 18.
Johnson, Edward E. (See Bennison, Ernest W., assignor.)
Johnson, Edward E., Incorporated. (See Williams, H. O., and Jens, assignors.)
Johnson, James P., Shaker Heights, Ohio. Hydraulic gear pump. 2,346,761; Apr. 18.
Johnson, Oliver H., Edgewood Arsenal, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metallizable azo dye. 2,346,922; Apr. 18.
Johnson, Victor S. (See White, Sidney Y., assignor.)
Johnson, Wilber M., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp. 2,347,055; Apr. 18.
Jones, Basil E. (See Tully, J. K., and Jones.)
Jones, Sam P., Dallas, Tex. Gas carbureting apparatus. 2,346,762; Apr. 18.
Jones, Sam P., Dallas Tex. Gas carbureting apparatus. 2,346,763; Apr. 18.
Jones, Wilbur L., assignor to Interchemical Corporation, New York, N. Y. Bitumen and inks made therefrom. 2,346,970; Apr. 18.
Jordan, Curtis S. (See Sneed, R. C., and Jordan.)
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,346,687; Apr. 18.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,346,688; Apr. 18.
Jung, Oscar H., Milwaukee, Wis. Gravity feed oiler. 2,347,112; Apr. 18.
Kahn, Mack, Cedarhurst, assignor to Artistic Foundations, Inc., New York, N. Y. Foundation garment. 2,347,154; Apr. 18.
Kauch, Robert, Maxwell Field, Montgomery, Ala., and C. L. Paulus, Dayton, Ohio. Warplane. 2,346,689; Apr. 18.
Kelstman, Arnold R., Shaker Heights, assignor to Jack & Heintz, Inc., Bedford, Ohio. Armature construction. 2,347,056; Apr. 18.
Kellogg, M. W., Company, The. (See Austin, Harold R., assignor.)
Kempf, William C. (See Geiger, C. F., Clapp, and Kempf.)
Kennedy, Luke F., Schenectady, N. Y., assignor to General Electric Company. Electric protective arrangement. 2,346,971; Apr. 18.
Keuffel & Esser Company. (See Holden, John, assignor.)
King, Harry C., Cincinnati, Ohio, assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixture. 2,347,113; Apr. 18.
Kirchel, Alan A. (See Salmon, R. D., and Kirchel.)
Kishline, Floyd F., assignor to Nash Kelvinator Corporation, Kenosha, Wis. Vibration dampener. 2,346,972; Apr. 18.
Kleber, Jackson O., Long Island City, N. Y. Wave record mold. 2,346,760; Apr. 18.
Kline, Bernard L. (See Engler, W. N., and Kline.)
Knapp-Monarch Company. (See Gundelfinger, W. E., and Lamb, assignors.)
Knapp-Monarch Company. (See Ward, Lawrence T., assignor.)

Knowles Fuel Process Corporation. (See Boynton, A. J., and Stallings, assignors.)
Koppers Company. (See Corson, Ben B., assignor.)
Kossman, Hans R. (See Mayer, A. L., and Kossman.)
Kraft, Herman T., Akron, and W. C. McCoy, Shaker Heights, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio. Balloon for carrying incendiary material. 2,347,163; Apr. 18.
Kratz, Edouard M., Gary, Ind., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Method and apparatus for making sheet material. 2,346,764; Apr. 18.
Kratz, Edouard M., Ogden Dunes, Ind., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Apparatus for making sheet material. 2,346,765; Apr. 18.
Kullman, Alfred, and T. A. Waltz, assignors to The American Tool Works Company, Cincinnati, Ohio. Apparatus for flame hardening racks and the like. 2,346,923; Apr. 18.
Kuster, William H., San Francisco, and E. A. Glynn, Lodi, Calif. Kettle mounting and control means. 2,346,973; Apr. 18.
Kyne, Edward J., Brooklyn, N. Y. Raising sunken boats. 2,346,974; Apr. 18.
Laboulais, Jean L., assignor to Gyro-Balance Corporation, Greenwich, Conn. Dynamic balancing. 2,346,975; Apr. 18.
Lakso, Eino E., Fitchburg, Mass. Ampoule washer. 2,347,057; Apr. 18.
Lamb, Ollo. (See Gundelfinger, W. E., and Lamb.)
Lambers, Bernard. (See Harriss, L. J., and Lambers.)
Land, Edwin H., Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Light polarizer. 2,346,766; Apr. 18.
Lange, Paul H. (See Bullard, E. P., III, Alvey, and Lange.)
Langer, Bernard F., and W. O. Osbon, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Torque measuring device. 2,346,976; Apr. 18.
La Paglia, Agnes M., Livingston, N. J. Safety catch for bar pins and the like. 2,346,767; Apr. 18.
Larchar, Arthur W. (See Babcock, D. F., and Larchar.)
Larkins, John S., Jr., Detroit, Mich. Dust test machine. 2,346,690; Apr. 18.
Larson, Frederick J., assignor to R. C. Can Company. St. Louis, Mo. Container. 2,346,847; Apr. 18.
Larson, John D., Hinsdale, Ill. Method and means for preventing ice formation on surfaces. 2,347,114; Apr. 18.
La Sha, Stanley S., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 2,346,977; Apr. 18.
Laughlin, Kenneth C., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic isomerization. 2,346,768; Apr. 18.
Law, Harry, Merced, Calif. Endless track unit. 2,346,848; Apr. 18.
Leahey, Garret D., Minneapolis, Minn., assignor to General Mills, Inc. Advertising display card. 2,347,155; Apr. 18.
Lear, Avia, Inc. (See Lear, William P., assignor.)
Lear, William P., assignor to Lear Avia, Inc., Piqua, Ohio. Compass control indicator system. 2,346,849; Apr. 18.
Lefebure, Victor. (See Sandford, J. B., and Lefebure.)
Lehmann, Herbert G., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 2,346,924; Apr. 18.
Lent, Constantin P., Forest Hills, N. Y. Toy monorail train and handcar. 2,346,978; Apr. 18.
Leuthold, Edgar J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Heating filament circuit. 2,346,654; Apr. 18.
Lewis, Frank N., et al. (See Lewis, Thomas B., assignor.)
Lewis, Leona W., Community Administratrix. (See Lewis, Thomas B.)
Lewis-Shepard Company. (See Garbarino, Frank, assignor.)
Lewis, Thomas B., deceased, Wichita Falls; L. W. Lewis, community administratrix, assignor of one-third to J. C. Davis, Jr., Fort Worth, and one-third to F. N. Lewis, Phillips, Tex. Derrick construction. 2,347,115; Apr. 18.
Lewis, William D., Northridge, assignor to Timm Aircraft Corporation, Los Angeles, Calif. Multiple punch. 2,346,925; Apr. 18.
Liberty Cork Co. (See Piluso, Sebastian, assignor.)
Lichfor, Samuel P., Kansas City, Mo. Wall covering fixture. 2,346,769; Apr. 18.
Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Condensation product. 2,346,926; Apr. 18.
Lieberherr, Hans, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Cylinder liner for internal combustion engines. 2,346,927; Apr. 18.
Liebmann, August G., assignor of one-half to H. A. Blessing, Washington, D. C. Cartridge container machine. 2,346,691; Apr. 18.
Lighthipe, Charles H., Bloomfield, assignor to National Oil Products Company, Harrison, N. J. Composition for destroying foam and froth. 2,346,928; Apr. 18.
Lilley, Daniel G., Denver, Colo. Variable pitch propeller. 2,346,979; Apr. 18.
Lima Locomotive Works, Incorporated. (See Woodard, W. E., and (Filander, assignor).)
Lincoln, G. W., Jr. (See Corley, Gale C., assignor.)
Lindemann, A. J., & Hoverson Company. (See Balcerzak, Edward C., assignor.)
Lines, William, Yonkers, N. Y. Airplane toy. 2,346,850; Apr. 18.
Littleton, Jesse T., and R. K. Day, assignors to Corning Glass Works, Corning, N. Y. Tempering glass articles. 2,347,116; Apr. 18.
Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Power tube structure. 2,346,929; Apr. 18.
Lloyd, Arthur H., assignor to Alfred Herbert Limited, Coventry, England. Manufacture of screw-threading taps. 2,346,851; Apr. 18.
Lobdell, Prentiss, Elizabeth, and G. L. Mateer, Roselle, N. J., assignors to Standard Oil Development Company. Catalytic alkylation process. 2,346,770; Apr. 18.
Lodge, Frank A. Lowe and W. W. Tatum, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Anthraquinone compounds. 2,346,771; Apr. 18.
Logie, Arthur J., Westfield, Mass. Pressure gauge. 2,346,852; Apr. 18.
Long, John H., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Road construction. 2,346,930; Apr. 18.
Losson, George J. (See Watts, W. S., and Losson.)
Lotspeich, Joseph F., San Antonio, Tex., assignor to Southern Pecan Shelling Company. Nutcracking machine. 2,346,980; Apr. 18.
Lowe, Arthur. (See Lodge, F., Lowe, and Tatum.)
Lucht, Victor F., Washington, D. C. Gun mount. 2,346,692; Apr. 18.
Lulek, Ralph N., Wilmington, Del., and E. C. Buxbaum, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of 5-chloroquinizarin. 2,346,772; Apr. 18.
Lunas, Lawrence J., Cedar Grove, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Forming electrical measuring instruments. 2,347,058; Apr. 18.
Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Convertible ice bunker for refrigerator cars. 2,346,853; Apr. 18.
Luxenberger, Eugene A., G. W. Blair, and J. F. Schott, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Apparatus for producing rubber articles. 2,347,117; Apr. 18.
Lyman, Joseph, Huntington, and E. Norden, Pelham, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Directional apparatus. 2,346,693; Apr. 18.
M & R Dietetic Laboratories, Inc. (See Hull, Maurice E., assignor.)
Macalaster Bicknell Company. (See Consolazio, William V., assignor.)
Mahler, Joseph, Brookline, Mass., assignor to Polaroid Corporation, Dover, Del. Forming images. 2,346,774; Apr. 18.
Mahler, Joseph, Brookline, Mass., assignor to Polaroid Corporation, Dover, Del. Fixing agent and fixing colloid reliefs. 2,346,775; Apr. 18.
Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Sealing apparatus. 2,346,776; Apr. 18.
Manjoine, Michael J., Pittsburgh, and A. Nadai, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensile machine. 2,346,931; Apr. 18.
Mann, Charles W., Pomona, Calif., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Method and apparatus for controlling the circulation of air in refrigerator cars. 2,346,931; Apr. 18.
Maris, James B., Glen Ridge, N. J. Adjustable automatic interval timer. 2,346,694; Apr. 18.
Marsh, Leona. (See Brennan, J. B., and Marsh.)
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Inertia actuated propeller control valve. 2,346,856; Apr. 18.
Martin, Glenn L., Company, The. (See Stephens, John H., assignor.)
Mastrangelo, Frank, Fitchburg, Mass. Knockdown cabinet or locker. 2,346,982; Apr. 18.
Mateer, George L. (See Lobdell, P., and Mateer.)
Matter, Albert J., Park Ridge, assignor to Crane Packing Company, Chicago, Ill. Sealing unit. 2,347,118; Apr. 18.
Mayer, Alvin L., Cincinnati, Ohio, and H. R. Kossman, New York, N. Y.; said Kossman, assignor to said Mayer. Control of light. 2,346,983; Apr. 18.
Maynard, Carl W., Jr. (See Rossander, S. S., Sparks, and Maynard.)
Mays, Homer, North Lima, Ohio. Supporting apparatus. 2,346,932; Apr. 18.
McBride, Andrew S. (See McBride, J. W., A. S., and W. F.)
McBride, John W., A. S., and W. F., Burbank, Calif. Magnetic indicator. 2,346,773; Apr. 18.

McBride, Walton F. (See McBride, J. W., A. S., and W. F.)
McConway & Torley Corporation. (See Mohl, Harold H., assignor.)
McCoy, William C. (See Kraft, H. T., and McCoy.)
McGee, Francis E., Baltimore, Md. Grommet. 2,346,854; Apr. 18.
McGee, Francis E., Baltimore, Md. Grommet. 2,346,855; Apr. 18.
McNab, John G. (See Winning, C., and McNab.)
Mead, Milton S., Jr., Hempstead, N. Y., assignor to General Electric Company. Rate control for tuning fork oscillators. 2,346,984; Apr. 18.
Merckel, Frederick G., Montclair, assignor to Novadel-Agene Corporation, Belleville, N. J. Brew cooling and dispensing. 2,346,933; Apr. 18.
Mercur, Alfred M., Pittsburgh, Pa. Table. 2,346,985; Apr. 18.
Meredith, Carlton. (See Millican, Roy E., assignor.)
Meredith, Frederick W., assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Fluid-actuated servomotor system. 2,346,857; Apr. 18.
Metallurgical Processes Co. (See Ness, Harold J., assignor.)
Metzger, Peter, Anaheim, Calif. Fruit clipping device. 2,346,986; Apr. 18.
Michaelis, Walter, Camp De St. Cyprien (PO) France, by decree of distribution to H. Michealis, assignor, by mesne assignments, to Chromogen, Incorporated. Producing photographic multicolor pictures. 2,347,119; Apr. 18.
Michealis, Hella. (See Michaelis, Walter, assignor.)
Michigan Tool Company. (See Pelphrey, Harry, assignor.)
Mighton, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Interpolymer. 2,346,858; Apr. 18.
Miller, Abraham B., Newark, assignor to Hercules Powder Company, Wilmington, Del. Impregnated fibrous material. 2,346,934; Apr. 18.
Miller, Gustave, New Haven, Conn. Electric water light. 2,346,695; Apr. 18.
Millican, Roy E., assignor of fifty-four and one-half per cent to C. Meredith, Dallas, Tex. Flow device. 2,346,777; Apr. 18.
Mills, Kenneth N., Tulsa, Okla., assignor to Bethelehem Steel Company. Polished rod clamp. 2,346,859; Apr. 18.
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Portable hand held electric tool. 2,346,778; Apr. 18.
Mohl, Harold H., Davenport, Iowa, assignor, by mesne assignments, to McConway & Torley Corporation, Pittsburgh, Pa. Car truck. 2,346,860; Apr. 18.
Mohun, John L., Chicago, Ill. Dust trap window ventilator. 2,347,120; Apr. 18.
Monsanto Chemical Company. (See Hayes, Ralph F., assignor.)
Montgomery, William A., Burlington, N. J., assignor to United States Pipe and Foundry Company. Method and apparatus for grinding molds. 2,346,861; Apr. 18.
Moody, John L. (See Friden, C. M., and Moody.)
Moritz, Adrian J. L., Enka, A. L. Jackson, and G. I. Thurmond, Asheville, assignors to American Enka Corporation, Enka, N. C. Manufacture of rayon. 2,346,696; Apr. 18.
Muchow, Elmer, Maplewood, assignor to Automatic Control Corporation, St. Louis, Mo. Pilot circuit switch. 2,346,862; Apr. 18.
Muehling, Julius J., St. Louis, Mo. Price card rack. 2,346,779; Apr. 18.
Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Damper. 2,347,059; Apr. 18.
Müller, Adolf. (See Fleischhauer, R., and Müller.)
Mungall, Robert W., Schenectady, N. Y., assignor to General Electric Company. Universal rectangular wire coating die. 2,346,697; Apr. 18.
Murata, Kiguma J. (See Cannon, R. S., Jr., and Murata.)
Nadai, Arpad. (See Manjoine, M. J., and Nadai.)
Napier, D., & Son Limited. (See Halford, F. B., and Catford, assignors.)
Nash-Kelvinator Corporation. (See Benzick, Alexander, assignor.)
Nash-Kelvinator Corporation. (See Costley, Henry R., assignor.)
Nash-Kelvinator Corporation. (See Drake, Earl D., assignor.)
Nash Kelvinator Corporation. (See Kishline, Floyd F., assignor.)
National Bread Wrapping Machine Co. (See Hoppe, William, assignor.)
National Oil Products Company. (See Lighthipe, Charles H., assignor.)
Nerken, Albert I. (See Polins, H. S., and Nerken.)
Ness, Harold J., Bloomfield, N. J., assignor to Metallurgical Processes Co. Producing protective atmospheres. 2,346,698; Apr. 18.
New Britain Machine Company, The. (See Gridley, George O., assignor.)
Newark Paper Box Company. (See Rush, Augustus T., assignor.)
Newport Industries, Inc. (See Palmer, R. C., and Edelstein, assignors.)
Newport Industries, Inc. (See Palmer, R. C., Oliver, and Edelstein, assignors.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Variable capacity compressor. 2,346,987; Apr. 18.
Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Photographic printing apparatus. 2,346,988; Apr. 18.
Norden, Elwood. (See Lyman, J., and Norden.)
Novadel-Agene Corporation. (See Merckel, Frederick G., assignor.)
Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Feeder table for fish dressing machines. 2,346,935; Apr. 18.
O'Brien, Bertha M., New York, N. Y. Infant carrier. 2,346,989; Apr. 18.
Oftedal, Philip R., and O. Christensen, assignors to G. L. Dunn, Chicago, Ill. Method and means for forming window blind slat stock. 2,346,990; Apr. 18.
Ogle, Earl N., Bozeman, Mont. Rotary steam engine. 2,346,936; Apr. 18.
O'Gorman, William F., assignor to Tel-A-Tale Motion Sign Corporation, New York, N. Y. Moving sign. 2,346,699; Apr. 18.
Oil Devices. (See Breese, James L., assignor.)
Oil Devices. (See Breese, J. L., and Hayter, assignors.)
Oil Devices. (See Perry, Stanley, assignor.)
Oliver, Anthony F. (See Palmer, R. C., Oliver, and Edelstein.)
Olson, Clair D., Flagstaff, Ariz., assignor to The Electric Storage Battery Co. Vent structure for cells employing liquid electrolytes. 2,346,937; Apr. 18.
Omega Machine Company. (See Harper, Lyndus E., assignor.)
Oravec, Emil G., assignor to Crane Co., Chicago, Ill. Valve. 2,346,938; Apr. 18.
Orelup, John W., Short Hills, N. J. Fuel treating agent. 2,346,780; Apr. 18.
Ormond, John J., assignor of two-thirds to J. D. Ramsey, Boston, Mass. Making printing rolls. 2,346,939; Apr. 18.
Osbon, William O. (See Langer, B. F., and Obson.)
Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Coke oven. 2,346,991; Apr. 18.
Paolone, Vincent J., New York, N. Y. Delivery container for cigarettes, cigars, or other articles. 2,346,863; Apr. 18.
Packard, Robert H., Newton, Mass., assignor, by mesne assignments, to General Motors Corporation, Dayton, Ohio. Anemometer. 2,346,864; Apr. 18.
Palmer, Ralph A., San Diego, Calif. Angle gauge. 2,346,940; Apr. 18.
Palmer, Robert C., and E. Edelstein, assignors to Newport Industries, Inc., Pensacola, Fla. Permanently refusible zinc resinate and preparing same. 2,346,992; Apr. 18.
Palmer, Robert C., and E. Edelstein, assignors to Newport Industries, Inc., Pensacola, Fla. Permanently refusible zinc-calcium resinate and preparing same. 2,346,993; Apr. 18.
Palmer, Robert C., and E. Edelstein, Pensacola, Fla. Resin-like product and preparing same. 2,346,994; Apr. 18.
Palmer, Robert C., A. F. Oliver, and E. Edelstein, assignors to Newport Industries, Inc., Pensacola, Fla. Zinc-calcium resinate and making the same. 2,346,995; Apr. 18.
Palmer, Robert T. (See Hagen, H. F., and Palmer.)
Paper Novelty Manufacturing Company. (See Cohen, Sol D., assignor.)
Paper Patents Company. (See Seaborne, Frederick S., assignor.)
Pappas, Mike, San Francisco, Calif. Perfumer. 2,347,060; Apr. 18.
Paprex Company. (See Green, Arthur B., assignor.)
Parsons, John T., and A. V. Brogren, Detroit, Mich. Bomb fin crate. 2,346,700; Apr. 18.
Patterson, Herbert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling. 2,347,121; Apr. 18.
Paulus, Charles L. (See Kauch, R., and Paulus.)
Peet, Alexander, Luton, England. Electric water heater. 2,347,122; Apr. 18.
Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Forming gear cutters. 2,346,865; Apr. 18.
Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Fixture for forming gear cutters. 2,346,866; Apr. 18.
Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Machine for forming gears. 2,346,867; Apr. 18.
Pennybacker, Miles, West Orange, and A. R. Hussey, Lyndhurst, N. J.; said Hussey assignor to said Pennybacker. Lehr for tubing. 2,347,156; Apr. 18.
Perry, Stanley, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex. Pot-type burner with hollow pilot. 2,346,781; Apr. 18.
Perry, William R., assignor to Reeves Pulley Company, Columbus, Ind. Fluid control for speed varying transmissions. 2,346,868; Apr. 18.

Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Resilient cycle saddle. 2,347,061; Apr. 18.
Persons-Majestic Manufacturing Company. (See Persons, Charles A., assignor.)
Petrilli, Santy C., Chicago, Ill., assignor to General Candy Corporation. Apparatus for coating candy. 2,347,164; Apr. 18.
Phillips Petroleum Company. (See Guyer, Jesse A., assignor.)
Piluso, Sebastian, assignor to Liberty Cork Co., Inc., Jersey City, N. J. Manufacturing applicators or daubers. 2,346,782; Apr. 18.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of propane. 2,346,701; Apr. 18.
Pinney, H. H. (See Smith, Lewis H., assignor.)
Plecki, Frank. (See Bilek, F. J., and Plecki.)
Plewes, Argyle C., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Purification of ethers of diethylene glycol. 2,346,783; Apr. 18.
Pneumatic Scale Corporation, Limited. (See Robinson, George A., assignor.)
Polaroid Corporation. (See Land, Edwin H., assignor.)
Polaroid Corporation. (See Mahler, Joseph, assignor.)
Polaroid Corporation. (See Young, Clinton J. T., assignor.)
Polin, Herbert S., and A. I. Nerken, New York, N. Y.; said Nerken assignor to said Polin. Vulcanizing oil. 2,346,702; Apr. 18.
Pollack, Leon, Brooklyn, N. Y., assignor to Polaroid Corporation, Cambridge, Mass. Making polarizing bodies. 2,346,784; Apr. 18.
Pollard, Ernest I., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Generator protection against leakage of cooler tubes. 2,347,062; Apr. 18.
Pollard, Ernest I., Wilkinsburg, and J. A. Benyak, Homeville, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Field winding for dynamoelectric machines. 2,347,063; Apr. 18.
Poole, Frederick A., Barrington, assignor to Production Instrument Company, Chicago, Ill. Predetermined counter control. 2,346,869; Apr. 18.
Poole, Lora E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Commutator riveting machine. 2,346,996; Apr. 18.
Post, Howard A., Oakland, Calif. Flower holder. 2,346,870; Apr. 18.
Power Research Corporation. (See Bowers, Thomas A., assignor.)
Press Association, Inc. (See Woloschak, Konstantin, assignor.)
Priest, John E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage regulator. 2,346,997; Apr. 18.
Procter & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
Production Instrument Company. (See Poole, Frederick A., assignor.)
Prosperity Company, The. (See Davis, Ernest, assignor.)
Proulx, Jean, Hull, Quebec, Canada. Suction box top for papermaking machines. 2,346,785; Apr. 18.
Provenzano, Gaetano, Greenwich, Conn. Airplane safety chair. 2,346,871; Apr. 18.
Pullman Company, The. (See Tully, J. K., and Jones, assignors.)
Puner, Paul, et al. (See Sabin, Oliver, assignor.)
R. C. Can Company. (See Larson, Frederick J., assignor.)
Radeck, Frank, Milwaukee, Wis., assignor to Felins Tying Machine Company. Tying machine. 2,346,786; Apr. 18.
Radio Corporation of America. (See Cooney, John R., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)
Rado, John A., Douglaston, N. Y., assignor to Hazeltine Corporation. Television signal-translating apparatus. 2,347,064; Apr. 18.
Ramsey, Clarence S., Springfield, Ohio. Ore processing apparatus. 2,346,787; Apr. 18.
Ramsey, Joseph D. (See Ormond, John J., assignor.)
Randall Graphite Products Corporation. (See Whiteley, Robert H., assignor.)
Rauen, Carl F., Grosse Pointe, and G. Forhan, Detroit, Mich. Rack. 2,346,703; Apr. 18.
Ray, William A., Glendale, Calif. Igniting system. 2,346,704; Apr. 18.
Ray-O-Vac Company. (See Anthony, Herman R. C., assignor.)
Redington, F. B., Co. (See Malhiot, Clarence J., assignor.)
Reeves Pulley Company. (See Perry, William R., assignor.)
Reveno, Reuben R., Philadelphia, Pa. Portable body warmer. 2,346,998; Apr. 18.
Reynolds, William B., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye intermediates. 2,346,941; Apr. 18.
Reyrolle, A., & Company Limited. (See Bayles, John W., assignor.)
Rice, Eugene B., Denver, Colo. Separator for cartridge cartons. 2,346,788; Apr. 18.
Riesgo, Ralph A., New York, N. Y. Beverage draft apparatus. 2,347,123; Apr. 18.
Rietz, Charles A. (See Jeuck, F. J., and Rietz.)
Rigby, Ralph, Berea, Ky. Stepladder. 2,347,065; Apr. 18.
Ritter, Alois A., assignor to Hartmann Trunk Company, Racine, Wis. Detachable hanger fastening means. 2,346,873; Apr. 18.
Roberts, Eugene, Hastings, N. Y., and G. E. Stevens, Denver, Colo., assignors to The Western States Machine Company, Hamilton, Ohio. Centrifugal purging and washing method for sugar mixtures and the like. 2,347,157; Apr. 18.
Robinson, George A., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,347,124; Apr. 18.
Robinson, Girard C., assignor to Girard Manufacturing Products, Inc., Maywood, Ill. Power-driven tool. 2,347,125; Apr. 18.
Rodman, Clarence J., Alliance, Ohio. Bathtub. 2,346,942; Apr. 18.
Röhm & Haas Company. (See Andrews, C. E., and Fenske, assignors.)
Rohrer, Emil J., Kansas City, Mo. Concrete form and holder. 2,347,126; Apr. 18.
Roper, Edwin E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well logging. 2,346,789; Apr. 18.
Rosenthal, Fritz, assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Fiberboard composition. 2,346,943; Apr. 18.
Rosenzweig, Julius, New York, N. Y. Work guide for sewing machines. 2,347,127; Apr. 18.
Rossander, Swanie S., C. E. Sparks, and C. W. Maynard, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuff. 2,346,790; Apr. 18.
Roth, Joseph N. (See Schurtz, R. E., and Roth.)
Rudy Furnace Company. (See Torr, Thomas W., assignor.)
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Size for textile fabrics. 2,346,791; Apr. 18.
Rush, Augustus T., Orange, assignor to Newark Paper Box Company, Newark, N. J. Cardboard box. 2,346,792; Apr. 18.
Russell, Edward E., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Film splicer. 2,346,874; Apr. 18.
Russell, William F., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Production of dithiocarbamates. 2,347,128; Apr. 18.
Sabin, Oliver, assignor to P. Puner, I. R. Gwirtz, and O. Sabin, copartners, doing business as Century Distributors, New York, N. Y. Phonograph record rack. 2,346,705; Apr. 18.
Safeway Stores, Inc. (See Sneed, R. C., and Jordan, assignors.)
St. John, Bay. (See Dayton, Max E., assignor.)
Salit, Jonah, New York, N. Y. Watch indicator. 2,347,129; Apr. 18.
Salmon, Reginald D., and A. A. Kirchel, assignors to Creed and Company Limited, Croydon, England. Printing telegraph apparatus. 2,346,944; Apr. 18.
Samson, Edward W., and A. H. Croup, assignors to Hammermill Paper Company, Erie, Pa. Pulp consistency testing apparatus. 2,346,945; Apr. 18.
Sandford, John B., Saltburn, and V. Lefebure, London, England, assignors to Imperial Chemical Industries Limited. Manufacture of composite wallboard. 2,346,999; Apr. 18.
Schaad, Raymond E. (See Bloch, H. S., and Schaad.)
Schacht, William F., Huntington, Ind. Cattle marker. 2,346,946; Apr. 18.
Scherer, Otto, and F. Dostal, Frankfort-on-the-Main, and K. Dachlauer, Hofheim in Taunus, Germany; vested in the Alien Property Custodian. Preparing monochloromonobromomethane and dibromomethane. 2,347,000; Apr. 18.
Schiffer, Milton H. (See Welti, Edward, assignor.)
Schlaanstine, Raymond F., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Saturating felted fibrous material. 2,346,947; Apr. 18.
Schlittler, Emil. (See Hartmann, M., and Schlittler.)
Schnegg, Robert, Dormagen, Germany; vested in the Alien Property Custodian. Dyeing cellulose esters. 2,347,001; Apr. 18.
Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Convertible hearse. 2,347,002; Apr. 18.
Schott, John F. (See Luxenberger, E. A., Blair, and Schott.)
Schultz, Emma D., New London, Conn., and W. E. Shaefer, Kennett Square, Pa., assignors to Hercules Powder Company, Wilmington, Del. Derivatives of rosin and rosin compounds. 2,346,793; Apr. 18.
Schurtz, Ralph E., Kansas City, Mo., and J. N. Roth, Belding, assignors, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Transfer apparatus. 2,346,875; Apr. 18.

Seaborne, Frederick S., Harrison, assignor to Paper Patents Company, Neenah, Wis. Inlet system for paper machines. 2,347,130; Apr. 18.
Seabury, Ralph L., and R. A. Daily, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Manufacture of lead oxides. 2,347,131; Apr. 18.
Seabury, Ralph L., Anderson, and R. A. Dailey, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Manufacture of red litharge. 2,347,132; Apr. 18.
Searle, Marshall O., Beverly Hills, Calif. Apparatus for applying insulating tubing on wire cables, conduits, and the like. 2,347,003; Apr. 18.
Seeger, Edwin W., Wauwatosa. J. A. Senn, Milwaukee, and C. Stansbury, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Motor operated automatic regulator. 2,346,794; Apr. 18.
Selvig, John N., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Dividing fluids. 2,346,795; Apr. 18.
Senn, Jurg A. (See Seeger, E. W., Senn, and Stansbury.)
Shackelford, William G., Wood County, W. Va., and A. L. Wiley, Baltimore, Md., assignors to F. X. Hooper Company. Roll lift strand. 2,346,948; Apr. 18.
Shaefer, William E. (See Schultz, E. D., and Shaefer.)
Shaw, Louis E., East Orange, assignor to C. A. Calder, Verona, N. J. Shirt aligning device. 2,347,133; Apr. 18.
Shaw, Robert, assignor to Robert Shaw & Company, Limited, Nottingham, England. Machine made hair net and the like. 2,346,796; Apr. 18.
Shaw, Robert, & Company. (See Shaw, Robert, assignor.)
Shell Development Company. (See Crawford, C. C., and Evans, assignors.)
Shepard, Stanley C. (See Wolfson, H., and Shepard.)
Shurcliff, William A., Plainsfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Spectrophotometer accessory. 2,347,066; Apr. 18.
Shurcliff, William A., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Spectrophotometer attachment for absorbing specular reflection. 2,347,067; Apr. 18.
Sidwell, Alfred E., Kew Gardens, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Temperature compensation means for pressure actuated indicators. 2,347,134; Apr. 18.
Sindler, Jay J., Boston, Mass. Buckle. 2,346,949; Apr. 18.
Singer Manufacturing Company, The. (See Ackerman, James E., assignor.)
Smidth, Leonard, Houston, Tex. Urea-formaldehyde condensation products. 2,346,708; Apr. 18.
Smith Cannery Machines Company. (See Oates, Norford L., assignor.)
Smith, Lewis H., Cleveland, assignor to H. H. Pinney, Shaker Heights, Ohio. Siphon. 2,347,004; Apr. 18.
Smith, Robert A., Nahwah, N. J. Device for steering automotive vehicles. 2,347,135; Apr. 18.
Smith, S., & Sons (Motor Accessories), Limited. (See Meredith, Frederick W., assignor.)
Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,347,005; Apr. 18.
Sneed, Robert C., Piedmont, and C. S. Jordan, Glendale, assignors to Safeway Stores, Inc., Oakland, Calif. Egg grading machine. 2,347,068; Apr. 18.
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Southern Pecan Shelling Company. (See Lotspeich, Joseph F., assignor.)
Sparks, Chiles E. (See Rossander, S. S., Sparks, and Maynard.)
Speckert, Siegfried, South Gate, Calif. Tool holder. 2,347,136; Apr. 18.
Sperry Products, Inc. (See de Lanty, Loren J., assignor.)
Sperry Products, Inc. (See Haight, Norman L., assignor.)
Sperry Gyroscope Company. (See Lyman, J., and Norden, assignors.)
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Eye shield for ophthalmic mountings. 2,346,709; Apr. 18.
Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Beading strip. 2,347,158; Apr. 18.
Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Beading strip. 2,347,159; Apr. 18.
Stallings, Urban H. (See Boynton, A. J., and Stallings.)
Standard Brands Incorporated. (See Enright, J. J., and Foote, assignors.)
Standard Catalytic Company. (See Henminger, Charles E., assignor.)
Standard Oil Company of California. See Gardiner, E. W., and Denison, assignors.)
Standard Oil Development Company. (See Camp, Eliza Q., assignor.)
Standard Oil Development Company. (See Dempsey, Henry J., assignor.)
Standard Oil Development Company. (See Laughlin, Kenneth C., assignor.)
Standard Oil Development Company. (See Lieber, Eugene, assignor.)
Standard Oil Development Company. (See Lobdell, P., and Mateer, assignors.)
Standard Oil Development Company. (See Winning, C., and McNab, assignors.)
Standolind Oil and Gas Company. (See Roper, Edwin E., assignor.)
Stansbury, Carroll. (See Seeger, E. W., Senn and Stansbury.)
Steele, Dwight L., Hagerstown, Md. Storm window. 2,347,137; Apr. 18.
Steen, Harford K., Newburgh, assignor to Interstate Bag Co., Walden, N. Y. Making handled bags. 2,346,710; Apr. 18.
Stein, Hall Manufacturing Company. (See Hauer, Hans F. and J. V., and Hawley, assignors.)
Steinbock, Edmund A. (See Weyhing, August L., assignor.)
Stephens, John H, West Chester, Pa., assignor to The Glenn L. Martin Company, Baltimore, Md. Landing gear. 2,346,797; Apr. 18.
Stevens, Clarence A., Wichita, Kans. Harvester. 2,347,138; Apr. 18.
Stevens, George E. (See Roberts, E., and Stevens.)
Stewart-Warner Corporation. (See Heymann, Seymour E., assignor.)
Stewart-Warner Corporation. (See Whitted, John B., assignor.)
Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collet. 2,346,706; Apr. 18.
Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collet. 2,346,707; Apr. 18.
Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Wheel mounting. 2,346,950; Apr. 18.
Stupecky, Ladimir F., Manitowoc, Wis. Carburetor. 2,346,711; Apr. 18.
Sturtevant, B. F., Company. (See Chirgwin, Frederick H., assignor.)
Sturtevant, B. F., Company. (See Hagen, H. F., and Palmer, assignors.)
Submarine Signal Company. (See Benioff, Hugo, assignor.)
Sulzer Frères, Société Anonyme. (See Lieberherr, Hans, assignor.)
Summers, Thomas O., Jr., Los Angeles, Calif. Navigational instrument. 2,346,798; Apr. 18.
Sun Oil Company. (See Dougherty, P. F., and Barton, assignors.)
T. I. (Group Services) Limited. (See Evans, David W. T., assignor.)
Tatum, William W. (See Lodge, F., Lowe, and Tatum.)
Tel-A-Tale Motion Sign Corporation. (See O'Gorman, William F., assignor.)
Temple, George W., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Collapsible tube coating machine. 2,346,951; Apr. 18.
Thomas, William D., Jr. (See Cook, E. W., and Thomas.)
Thomson, Alex, administrator. (See Johnson, Victor S.)
Thor, Oscar, Kearny, N. J. Display cabinet. 2,347,139; Apr. 18.
Thurmond, Gilbert I. (See Moritz, A. J. L., Jackson, and Thurmond.)
Tibbetts, Raymond F., Los Angeles, Calif. Forward draw spring holster. 2,347,006; Apr. 18.
Timken-Detroit Axle Company, The. (See Harper, George W., assignor.)
Timm Aircraft Corporation. (See Lewis, William D., assignor.)
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,346,712; Apr. 18.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tod, John, Des Moines, Iowa, assignor to Interstate Bakeries Corporation, Kansas City, Mo. Apparatus for handling baked buns or the like. 2,347,007; Apr. 18.
Torr, Thomas W., assignor to Rudy Furnace Company, Dowagiac, Mich. Heating furnace. 2,346,876; Apr. 18.
Trailer Company of America, The. (See Black, James J., assignor.)
Tripp, William A., Winthrop, Mass. Resilient tire. 2,346,799; Apr. 18.
Trofimov, Lev A., Willoughby, Ohio. Gun rammer. 2,346,877; Apr. 18.
Tully, James K., Alexandria, Va., and B. E. Jones, Flossmoor, assignors to The Pullman Company, Chicago, Ill. Auxiliary berth section arrangement. 2,346,878; Apr. 18.
Tung-Sol Lamp Works, Inc. (See Baker, George W., assignor.)
Tung-Sol Lamp Works, Inc. (See Leuthold, Edgar J., assignor.)
Turzilio, Lee, Royal Oak, Mich., assignor to L. S. Wertz, Cleveland, Ohio. Apparatus for filling cracks in concrete masonry structures. 2,346,879; Apr. 18.
Twentieth Century-Fox Film Corporation. (See Russell, Edward E., assignor.)
Underwood Elliott Fisher Company. (See Curtis, Edward W. Jr., assignor.)

Underwood, James W. (See D'Alelio, G. F., and Underwood.)
Union Asbestos & Rubber Company. (See Lundvall, John S., assignor.)
Union Switch & Signal Company, The. (See Grondahl, L. O., and Bossart, assignors.)
United Aircraft Corporation, et al. (See Heron, Sam D., assignor.)
United Aircraft Corporation, et al. (See Heron, S. D., and Beaver, assignor.)
United Aircraft Corporation. (See Martin, Erle, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United States Pipe and Foundry Company. (See Montgomery, William A., assignor.)
United States Rubber Company. (See Curtiss, N. H., and Aamland, assignors.)
United States Rubber Company. (See Harding, Watson G., assignor.)
United States Rubber Company. (See Luxenberger, E. A., Blair, and Schott, assignors.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Bloch, H. S., and Schaad, assignors.)
Universal Oil Products Company. (See Chenicek, Joseph A., assignor.)
Universal Oil Products Company. (See Pines, H., and Ipatieff, assignors.)
University of Tennessee Research Corporation, The. (See Rosenthal, Fritz, assignor.)
Urbain, Walter M., assignor to Industrial Patents Corporation, Chicago, Ill. Gelatin preparation. 2,346,880; Apr. 18.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulator. 2,346,800; Apr. 18.
Valenti, Francis P., Chicago, Ill. Sealable tag. 2,346,881; Apr. 18.
Vance, Arthur W., Moorestown, N. J., assignor to Radio Corporation of America. Electrical circuits. 2,347,008; Apr. 18.
Vanderbilt, R. T., Company. (See Russell, William F., assignor.)
Van Mierlo, Stanislas, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron multiplier. 2,346,952; Apr. 18.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Fluid dosing device. 2,346,801; Apr. 18.
Victor Metal Products Corporation. (See Temple, George W., assignor.)
Vogel, Fred J., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,347,009; Apr. 18.
Vorech, Stephen. (See Casler, R. H., and Vorech.)
Vredenburg, Edric W., Oakland, Calif. Net and gross weigher. 2,346,882; Apr. 18.
Wait, William B., New York, N. Y. Train control forestalling recorder. 2,346,883; Apr. 18.
Walker, Brooks, Piedmont, Calif. Caltrop. 2,346,713; Apr. 18.
Walker, Joseph, Berwyn, Ill. Recording apparatus. 2,346,802; Apr. 18.
Walker, O. S., Co. See Beechlyn, John T., assignor.)
Walker, Victor, Fort Erie, Ontario, Canada, assignor to AlnCin, Inc. Treatment of glassware. 2,347,011; Apr. 18.
Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Radiometeorograph transmitting apparatus. 2,347,160; Apr. 18.
Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Ham pumping. 2,346,953; Apr. 18.
Waltz, Thomas A. (See Kullman, A., and Waltz.)
Ward, Lawrence T., Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo. Life jacket inflator. 2,347,010; Apr. 18.
Watson-Williams Manufacturing Company. (See Goff, Harold E., assignor.)
Watts, Warren S., Montclair, and G. J. Losson, Arlington, assignors to Eskimo Pie Corporation, Bloomfield, N. J. Carton for ice-cream cones. 2,347,161; Apr. 18.
Watts, Warren S., Montclair, assignor to Eskimo Pie Corporation, Bloomfield, N. J. Making ice-cream sandwiches. 2,347,162; Apr. 18.
Waugh, Arthur L., Chicago, Ill. Germicide. 2,347,012; Apr. 18.
Weaver Associates Corporation. (See Burgess, William S., assignor.)
Weaver, Burr S. (See Edwards, M. A., Garr, and Weaver.)
Webster Electric Company. (See Campbell, Richard H., assignor.)
Webster Electric Company. (See Daily, Roy, assignor.)
Weimer, Mabel, administratrix. (See Weimer, Raymond S.)
Weimer, Raymond S., deceased, Morris, Ill.; M. Weimer, administratrix. Predetermining and controlling the clinkering characteristics of coal. 2,347,140; Apr. 18.
Welti, Edward, Astoria, Long Island, assignor, by mesne assignments, to M. H. Schiffer, New York, N. Y. Loom. 2,346,803; Apr. 18.
Werdehoff, Albert B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle heating system. 2,347,141; Apr. 18.
Wertz, Louis S. (See Turzillo, Lee, assignor.)
Western Cartridge Company. (See Williams, David M., assignor.)
Western Electric Company. (See Frederick, Kenneth L., assignor.)
Western Electric Company. (See Heger, Wilhelm A., assignor.)
Western Electric Company. (See Selvig, John N., assignor.)
Western States Machine Company, The. (See Roberts, E., and Stevens, assignors.)
Western Union Telegraph Company, The. (See Engler, W. N., and Kline, assignors.)
Western Union Telegraph Company, The. (See Hackenberg, J. H., and Wise, assignors.)
Westinghouse Electric & Manufacturing Company. (See Adams, P. G. and Axman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, George C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bergvall, Royal C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hudson, F., and Clay, assignors.)
Westinghouse Electric & Manufacturing Company. (See Langer, B. F., and Obson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lunas, Lawrence J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Manjoine, M. J., and Nadai, assignors.)
Westinghouse Electric & Manufacturing Company. (See Mulheim, Joseph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pollard, Ernest I., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pollard, E. I., and Benyak, assignors.)
Westinghouse Electric & Manufacturing Company. (See Priest, John E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vogel, Fred J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Willmann, Hans H., assignor.)
Weyhing, August L., assignor to E. A. Steinbock, Louisville, Ky. Casting machine. 2,347,013; Apr. 18.
Wheeler, James T., Atlanta, Ga. Nail driving device. 2,346,884; Apr. 18.
White, Sidney Y., Wilmette, assignor to V. S. Johnson, Chicago, Ill.; A. Thomson, administrator of said V. S. Johnson. Frequency selective transmission network. 2,346,804; Apr. 18.
Whiteley, Robert H., Oak Park, assignor to Randall Graphite Products Corporation, Chicago, Ill. Liquid cooled bearing. 2,346,805; Apr. 18.
Whitney, Willis R. (See Gordon, N. T., and Whitney.)
Whitted, John B., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Automatic heater control valve. 2,347,142; Apr. 18.
Wiegand, Gene M. (See Crawford, J., and Wiegand.)
Wilcock, Clifford C., Salford, assignor to Courtaulds Limited, London, England. Dyeing of textile fibers. 2,347,143; Apr. 18.
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,346,806; Apr. 18.
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Cutting gears. 2,346,807; Apr. 18.
Wiley, Arthur L. (See Shackelford, W. G., and Wiley.)
Williams, David M., assignor to Western Cartridge Company, New Haven, Conn. Gas-operated self-loading firearm. 2,346,954; Apr. 18.
Williams, Howard O., Minneapolis, and A. A. Jens, assignors to Edward E. Johnson, Incorporated, St. Paul, Minn. Deep well screen. 2,346,885; Apr. 18.
Williams, Walter W., Bloomington, Ill. Oil float operated switch. 2,346,886; Apr. 18.
Willmann, Hans H., Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermal switching device. 2,347,014; Apr. 18.
Wilson, William R., Kansas City, Mo. Display pencil. 2,347,144; Apr. 18.
Winkler, Friedrich, Toronto, Ontario, Canada. Clasp for necklaces, bracelets, and the like. 2,346,887; Apr. 18.
Winn, Sidney B., Lapeer, Mich. Tractor-trailer combination. 2,346,888; Apr. 18.
Winning, Carl, Union, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Lubricant. 2,346,808; Apr. 18.
Wise, Raleigh J. (See Hackenberg, J. H., and Wise.)
Wolbe, Delbert E., River Forest, Ill., assignor to American Can Company, New York, N. Y. Container. 2,346,714; Apr. 18.

Wold, Clarence N., Roseau, Minn. Hoisting and conveying apparatus. 2,346,956; Apr. 18.
Woloschak, Konstantin, Port Chester, assignor to Press Association, Inc., New York, N. Y. Means of compensating for drift of photoelectric devices and associated circuits. 2,347,015; Apr. 18.
Wolfson, Henry, and S. C. Shepard, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Thermistor. 2,346,955; Apr. 18.
Wood Newspaper Machinery Corporation. (See Caffrey, Charles S., assignor.)
Woodard, Phebe H., executrix. (See Woodard, W. E., and Filander.)
Woodard, William E., deceased, Forest Hills; P. H. Woodard, executrix, and A. H. Filander, New York, N. Y.; said A. H. Filander assignor to Lima Locomotive Works, Incorporated, Lima, Ohio; P. H. Woodard, executrix, assignor to P. H. Woodard. Steam locomotive construction. 2,346,715; Apr. 18.
Woodard, William E., deceased, Forest Hills; P. H. Woodard, executrix, and A. H. Filander, New York, N. Y.; said A. H. Filander assignor to Lima Locomotive Works, Incorporated, Lima, Ohio; P. H. Woodard, executrix, assignor to P. H. Woodard. Locomotive construction. 2,346,716; Apr. 18.
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane construction. 2,346,809; Apr. 18.
Wuertz, Alexander J., Wilmington, Del., and J. Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing composition. 2,346,957; Apr. 18.
Wullschleger, Arthur C., Wichita, Kans. Lighting control system. 2,346,889; Apr. 18.
Young, Clinton J. T., Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Cathode ray tube. 2,346,810; Apr. 18.
Zoerlein, Emil, assignor to Ford Motor Company, Dearborn, Mich. Ammeter. 2,346,811; Apr. 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Battery testing apparatus. B. F. W. Heyer. Re. 22,470; Apr. 18.
Terracing machine, Side disk. H. Hollis. Re. 22,471; Apr. 18.
Trolley wire hanger. S. S. Matthes. Re. 22,472; Apr. 18.

LIST OF PLANT INVENTIONS

Tree, Peach. V. G. McGuigan. 624; Apr. 18.

LIST OF DESIGN INVENTIONS

Airplane. R. J. Brown. 137,701; Apr. 18.
Appliqué. F. Hegner. 137,680; Apr. 18.
Badge or article of similar nature. C. S. Amspacker. 137,674; Apr. 18.
Bottle or similar article. A. Lieberfield. 137,711; Apr. 18.
Brooch or similar article. A. Katz. 138,681; Apr. 18.
Brooch or similar article. A. Katz. 137,683; Apr. 18.
Brooch, Separable. A. Katz. 137,682; Apr. 18.
Cap, Bottle. M. H. Conman. 137,702; Apr. 18.
Carriage, Baby. F. H. Fink. 137,707; Apr. 18.
Carton, Knockdown carrier. J. O. Grady. 137,708; Apr. 18.
Casing for fourdrinier shake. W. M. Leeson. 137,710; Apr. 18.
Comb and finger nail file, Combination. R. C. Torian. 137,721; Apr. 18.
Dial, Clock. A. L. Sprecker and M. Supa. 137,690; Apr. 18.
Doll. M. E. Granville. 137,678–9; Apr. 18.
Dress. E. Wilkens. 137,723; Apr. 18.
Earring. A. Philippe. 137,688–9; Apr. 18.
Embroidered trimming or the like. J. Wiener. 137,691; Apr. 18.
Eraser or the like. G. L. Estes. 137,706; Apr. 18.
Fence tester, Electric. S. A. Moore. 137,713; Apr. 18.
Game board. F. G. Triay. 137,722; Apr. 18.
Globe, Astronomical. G. B. Eisler. 137,676; Apr. 18.
Holder for badge, pencils, and the like. W. A. Sherbondy. 137,718; Apr. 18.
Hook, Gambrel. O. A. Pautz. 137,714; Apr. 18.
Jabot or similar article. S. M. Baar. 137,698–9; Apr. 18.
Juggling seal toy. A. Robins. 137,696; Apr. 18.
Liquor cooling and display stand, Combined. M. M. Fibus. 137,677; Apr. 18.
Net or similar article, Hair. L. D. Després. 137,703; Apr. 18.
Package-handle or similar article. J. E. Miano. 137,712; Apr. 18.
Peeler, fruit corer, and grapefruit sectionizer, Combination vegetable. N. K. Morris. 137,687; Apr. 18.
Play-suit ensemble. E. Wilkens. 137,724; Apr. 18.
Plate or similar article. A. Duhrssen. 137,675; Apr. 18.
Plug, Electrical terminal. T. W. Drury. 137,705; Apr. 18.
Receptacle, Electrical. T. W. Drury. 137,704; Apr. 18.
Sound-receiving device and control for dictating machines, Combined. R. M. Somers. 137,720; Apr. 18.
Spout for bottle. C. J. Smith. 137,719; Apr. 18.
Stand, Serving. H. Lachman. 137,685; Apr. 18.
Table, Coffee. F. Kramer. 137,684; Apr. 18.
Toy. R. R. Ryder. 137,697; Apr. 18.
Toy alligator. J. O. Reinecke. 137,716; Apr. 18.
Toy book. H. W. Malenthau. 137,686; Apr. 18.
Toy cricket. J. O. Reinecke. 137,692; Apr. 18.
Toy fish. J. O. Reinecke. 137,693; Apr. 18.
Toy giraffe. J. O. Reinecke. 137,695; Apr. 18.
Toy penguin. J. O. Reinecke. 137,694; Apr. 18.
Toy poodle dog. J. O. Reinecke. 137,715; Apr. 18.
Toy turtle. J. O. Reinecke. 137,717; Apr. 18.
Valve and vacuum breaker for water systems, Combined. L. N. Boosey. 137,700; Apr. 18.
Yoke, Cow. G. L. Jenkins. 137,709; Apr. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid. M. E. Cupery. 2,346,665; Apr. 18.
Advertising display card. G. D. Leahey. 2,347,155; Apr. 18.
Air filter. M. E. Cupery. 2,347,031; Apr. 18.
Air in refrigerator cars, Method and apparatus for controlling the circulation of. C. W. Mann. 2,346,931; Apr. 18.
Air nozzle. F. H. Chirgwin. 2,347,149; Apr. 18.
Airplane. S. S. La Sha. 2,346,977; Apr. 18.
Airplane construction. R. J. Woods. 2,346,809; Apr. 18.
Airplane safety chair. G. Provenzano. 2,346,871; Apr. 18.
Air supply means for pot type burners, Secondary. J. L. Breese. 2,346,815; Apr. 18.
Ammeter. E. Zoerlein. 2,346,811; Apr. 18.
Ampoule washer. E. E. Lakso. 2,347,057; Apr. 18.
Anemometer. R. H. Packard. 2,346,964; Apr. 18.
Angle gauge. R. A. Palmer. 2,346,940; Apr. 18.
Anthraquinone compounds. F. Lodge, A. Lowe, and W. W. Tatum. 2,346,771; Apr. 18.
Antiflooding device for liquid fuel burners, Bellows operated. J. L. Breese. 2,346,813; Apr. 18.
Apparatus and method for marbleizing comestibles or the like. A. and L. Connellee. 2,347,083; Apr. 18.
Apparatus for applying tubing on wire cables, conduits, and the like. M. O. Searle. 2,347,003; Apr. 18.
Apparatus for coating candy. S. C. Petrilli. 2,347,164; Apr. 18.
Apparatus for filling cracks in concrete masonry structures. L. Turzillo. 2,346,879; Apr. 18.
Apparatus for flame hardening racks and the like. A. Kullman and T. A. Waltz. 2,346,923; Apr. 18.
Apparatus for handling baked buns or the like. J. Tod. 2,347,007; Apr. 18.
Apparatus for making sheet material. E. M. Kratz. 2,346,765; Apr. 18.
Apparatus for spotting fabric materials. W. M. Cissell. 2,346,821; Apr. 18.
Apparatus for tempering rubber articles. E. A. Luxenberger, G. W. Blair, and J. F. Schott. 2,347,117; Apr. 18.
Apparatus for the control of internal combustion engines. F. B. Halford and A. L. Catford. 2,346,916; Apr. 18.
Apparatus for transferring granular material. C. F. Geiger, C. P. Clapp, and W. C. Kempf. 2,346,743; Apr. 18.
Applicators or daubers, Manufacturing. S. Piluso. 2,346,782; Apr. 18.
Armature construction. A. R. Keistman. 2,347,056; Apr. 18.
Article and making same, Ornamental. S. D. Cohen. 2,346,824; Apr. 18.
Atmospheres, Producing protective. H. J. Ness. 2,346,698; Apr. 18.
Automatic heater control valve. J. B. Whitted. 2,347,142; Apr. 18.
Automobile seat. A. Benzick. 2,347,025; Apr. 18.
Azo dye intermediates. W. B. Reynolds. 2,346,941; Apr. 18.
Azo dyes, Metallizable. O. H. Johnson. 2,346,922; Apr. 18.
Bags, making handled. H. K. Steen. 2,346,710; Apr. 18.
Bait box. C. C. Glassman. 2,346,744; Apr. 18.
Bathtub. C. J. Rodman. 2,346,942; Apr. 18.
Bearing: *See*—
  Liquid cooled bearing.
Belt sizing composition and method. O. F. Goepfert. 2,346,674; Apr. 18.
Berth section arrangement, Auxiliary. J. K. Tully and B. E. Jones. 2,346,878; Apr. 18.
Beverage draught apparatus. R. A. Riesgo. 2,347,123; Apr. 18.
Binder attachment for sewing machines. J. E. Ackerman. 2,347,145; Apr. 18.
Bis-(2,4-dialkylphenol)-4-alkyl phenol sulphides and salts thereof. E. W. Cook and W. D. Thomas, Jr. 2,346,826; Apr. 18.
Bitumen and ink made therefrom. W. L. Jones. 2,346,970; Apr. 18.
Blind slat stock, Forming window. P. R. Oftedal and O. Christensen. 2,346,990; Apr. 18.
Blueprint. J. Holden. 2,346,872; Apr. 18.
Board: *See*—
  Roll-up drawing board.
Boat construction. E. H. Ellinghouse. 2,346,959; Apr. 18.
Boats, Raising sunken. E. J. Kyne. 2,346,974; Apr. 18.
Body warmer, Portable. R. R. Reveno. 2,346,998; Apr. 18.
Boiler control, Steam heating. T. W. H. Abbott. 2,346,890; Apr. 18.

Bonding, Method of. H. F. and J. V. Bauer, and D. M. Hawley. 2,346,644; Apr. 18.
Bottle with temperature indicating means. L. Eisele. 2,346,832; Apr. 18.
Box: *See*—
  Bait box.
  Cardboard box.
Box top for papermaking machines, Suction. J. Proulx. 2,346,785; Apr. 18.
Braille type. J. B. Chamberlain. 2,347,138; Apr. 18.
Brake: *See*—
  Hydraulic brake.
  Paper reel brake.
Brake. F. G. Hughes. 2,346,758; Apr. 18.
Brew cooling and dispensing. F. G. Merckel. 2,346,933; Apr. 18.
Buckle. J. J. Sindler. 2,346,949; Apr. 18.
Burner with false bottom. J. L. Breese. 2,346,814; Apr. 18.
Burner with hollow pilot, Pot-type. S. Perry. 2,346,781; Apr. 18.
Burners and core for same, Making gas stove. E. C. Balcerzak. 2,346,720; Apr. 18.
Bushing, Kelly. W. A. Abegg. 2,346,958; Apr. 18.
Butane, Treatment of. H. S. Bloch and R. E. Schaad. 2,346,557; Apr. 18.
Button shank. O. Gries. 2,346,747; Apr. 18.
Cabinet: *See*—
  Display cabinet.
  Refrigerated display cabinet.
Cabinet or locker, Knockdown. F. Mastrangelo. 2,346,982; Apr. 18.
Cake, Artificial. R. Filsinger. 2,347,041; Apr. 18.
Calculating machine. C. M. Friden and J. L. Moody. 2,346,834; Apr. 18.
Call transmitter for telephone signaling systems. F. A. Hubbard. 2,347,108; Apr. 18.
Caltrop. B. Walker. 2,346,713; Apr. 18.
Capacity compressor, Variable. A. B. Newton. 2,346,987; Apr. 18.
Carburetor. L. F. Stupecky. 2,346,711; Apr. 18.
Cardboard box. A. T. Rust. 2,346,792; Apr. 18.
Carrier: *See*—
  Infant carrier.
Carrying incendiary material, Balloon for. H. T. Kraft and W. C. McCoy. 2,347,163; Apr. 18.
Carton for ice cream cones. W. S. Watts and G. J. Losson. 2,347,161; Apr. 18.
Cartridge container machine. A. G. Liebmann. 2,346,691; Apr. 18.
Casting machine. A. L. Weyhing. 2,347,013; Apr. 18.
Catalytic alkylation process. P. E. Lobdell and G. L. Mateer. 2,346,770; Apr. 18.
Catalytic isomerization. K. C. Laughlin. 2,346,768; Apr. 18.
Catalysts. Reactivation of contact. J. A. Guyer. 2,346,750; Apr. 18.
Catch for bar pins and the like, Safety. A. M. La Paglia. 2,346,767; Apr. 18.
Cathode ray tube. C. J. T. Young. 2,346,810; Apr. 18.
Cells, Making leakproof dry. H. R. C. Anthony. 2,346,640; Apr. 18.
Cellulose esters, Dyeing. R. Schnegg. 2,347,001; Apr. 18.
Centrifugal purging and washing method for sugar mixtures and the like. E. Roberts and G. E. Stevens. 2,347,157; Apr. 18.
Chain link. M. R. Dock. 2,347,088; Apr. 18.
Chair: *See*—
  Airplane safety chair.
Circuit: *See*—
  Heating; filament circuit.
Circuit interrupter. H. J. Crabbs. 2,347,030; Apr. 18.
Circulating and filtering system for swimming pools and the like. R. D. Evans. 2,347,092; Apr. 18.
Clamp: *See*—
  Polished rod clamp.
Clasp for necklaces, bracelets, and the like. F. Winkler. 2,346,887; Apr. 18.
Cleaning machine, Dry. L. E. Berry. 2,346,648; Apr. 18.
Clinkering characteristics of coal, Predetermining and controlling the. R. S. Weimer. 2,347,140; Apr. 18.
Clips having closing worm gears, Manufacture of band. C. W. Cheney. 2,346,906; Apr. 18.
Closure for flexible pocket receptacles. W. R. Buxton. 2,347,078; Apr. 18.
Clutch telecommunication selector switches. G. Deakin. 2,346,912; Apr. 18.
Coal-mining machine. C. E. and R. T. Hair. 2,346,676–9; Apr. 18.
Coal particles or dust and the like, Allaying and binding. L. F. Bornstein. 2,346,650; Apr. 18.

Coal-tar derivatives and the like, Sur-refining of. B. B. Corson. 2,346,664; Apr. 18.
Coating, Corrosion resistant. J. B. Brennan and L. Marsh. 2,346,658; Apr. 18.
Coffee maker. H. G. Lehmann. 2,346,924; Apr. 18.
Coke, Production of. A. J. Boynton and U. H. Stallings. 2,347,076; Apr. 18.
Collet. A. M. Stoner. 2,346,706–7; Apr. 18.
Communication system. R. H. Campbell. 2,347,079–80; Apr. 18.
Commutator riveting machine. L. E. Poole. 2,346,996; Apr. 18.
Compass control indicator system. W. P. Lear. 2,346,849; Apr. 18.
Composition for destroying foam and froth. C. H. Lighthipe. 2,346,928; Apr. 18.
Compositions containing a diamino triazinyl substituted alkyl sulphide. G. F. D'Alelio and J. W. Underwood. 2,347,032; Apr. 18.
Compounded oil. E. W. Gardiner and G. H. Denison, Jr. 2,347,152; Apr. 18.
Compounds of the anthraquinone series, Preparing. E. C. Buxbaum. 2,346,726; Apr. 18.
Concrete form and holder. E. J. Rohrer. 2,347,126; Apr. 18.
Condensation product. E. Lieber. 2,346,926; Apr. 18.
Connector: *See*—
  Electrical or mechanical connector.
Container. Z. Auerbach. 2,347,021; Apr. 18.
Container. J. M. Hothersall. 2,346,684–5; Apr. 18.
Container. F. J. Larson. 2,346,847; Apr. 18.
Container. D. E. Wobbe. 2,346,714; Apr. 18.
Container for cigarettes, cigars, or other articles, Delivery. V. J. Pacione. 2,346,863; Apr. 18.
Container for syringe and hypodermic needles, Sterilizing. N. Butzke. 2,346,725; Apr. 18.
Control apparatus. L. O. Grondahl and P. N. Bossart. 2,346,748–9; Apr. 18.
Control apparatus. F. Hudson and V. G. Clay. 2,346,967; Apr. 18.
Control for power actuated machines, Two-hand. E. Davis. 2,346,829; Apr. 18.
Control mechanism for motorized typewriters, Automatic. A. H. Buckley. 2,346,819; Apr. 18.
Control of light. A. L. Mayer and H. R. Kossman. 2,346,983; Apr. 18.
Control system. R. C. Bergvall. 2,347,026; Apr. 18.
Conveyer, Shaker. E. R. Bergmann. 2,347,074; Apr. 18.
Conveying apparatus. P. R. Hornbrook. 2,347,105; Apr. 18.
Copper, Anodically polishing. C. L. Faust. 2,347,039; Apr. 18.
Corrugated tubes, Making. W. G. Harding. 2,347,101; Apr. 18.
Counter control, Predetermined. F. A. Poole. 2,346,869; Apr. 18.
Coupler. M. E. Dayton. 2,347,033; Apr. 18.
Coupling: *See*—
  Fluid coupling.
Crate, Bomb fin. J. T. Parsons and A. V. Brogren. 2,346,700; Apr. 18.
Cutter: *See*—
  Gear cutter.
Cycle saddle, Resilient. C. A. Persons. 2,347,061; Apr. 18.
Cylinder head and combustion chamber construction. E. Ginn, H. L. Casselman and D. A. Campbell. 2,347,097; Apr. 18.
Cylinder liner for internal combustion engines. H. Lieberherr. 2,346,927; Apr. 18.
Damper, Vibration. J. Crawford and G. M. Wiegand. 2,346,732; Apr. 18.
Damper. J. E. Mulheim. 2,347,059; Apr. 18.
Deep well screen. H. O. Williams and A. A. Jens. 2,346,885; Apr. 18.
Density determining device. R. Bassinger. 2,346,721; Apr. 18.
Derrick construction. T. B. Lewis. 2,347,115; Apr. 18.
Device for steering automotive vehicles. R. A. Smith. 2,347,135; Apr. 18.
Die: *See*—
  Wire coating die.
Differential valve. O. E. Dempsey. 2,346,666; Apr. 18.
Directional apparatus. J. Lyman and E. Norden. 2,346,693; Apr. 18.
Display cabinet. O. Thor. 2,347,139; Apr. 18.
Dithiocarbomates, Production of. W. F. Russell. 2,347,128; Apr. 18.
Dough and the like, Method and apparatus for testing. W. S. Claus. 2,347,082; Apr. 18.
Draft regulator. A. D. Cole. 2,346,825; Apr. 18.
Draft regulator. E. A. Field, Jr. 2,346,740; Apr. 18.
Drawbench dog. D. W. T. Evans. 2,347,038; Apr. 18.
Drier: *See*—
  Leather drier.
Drill press. J. G. Collins. 2,346,731; Apr. 18.
Dust test machine. J. S. Larkins, Jr. 2,346,690; Apr. 18.
Dust trap window ventilator. J. L. Mohun. 2,347,120; Apr. 18.
Dyestuff, Azo. S. S. Rossander, C. E. Sparks, and C. W. Maynard, Jr. 2,346,790; Apr. 18.
Dynamic balancing. J. L. Laboulais. 2,346,975; Apr. 18.
Egg grading machine. R. C. Sneed and C. S. Jordan. 2,347,068; Apr. 18.
Egg material, Treatment of liquid. B. R. Harris. 2,346,682; Apr. 18.
Electric circuit breaker. L. S. Hobson. 2,347,052; Apr. 18.
Electric fence control unit. T. S. Harris. 2,346,965; Apr. 18.
Electric handsaw. W. E. Gundelfinger and O. Lamb. 2,346,961; Apr. 18.
Electric lamp. W. M. Johnson. 2,347,055; Apr. 18.
Electric lighting fixture. H. C. King. 2,347,113; Apr. 18.
Electric meat chopper and tenderizer. A. L. Jackson. 2,346,686; Apr. 18.
Electric protective arrangement. L. F. Kennedy. 2,346,971; Apr. 18.
Electric tool, Portable hand held. W. G. Mitchell. 2,346,778; Apr. 18.
Electric water heater. A. Peet. 2,347,122; Apr. 18.
Electric water light. G. Miller. 2,346,695; Apr. 18.
Electrical apparatus. F. J. Vogel. 2,347,009; Apr. 18.
Electrical circuits. A. W. Vance. 2,347,008; Apr. 18.
Electrical connection means. T. W. Drury. 2,346,831; Apr. 18.
Electrical control means. A. O. Grooms. 2,346,836; Apr. 18.
Electrical measuring instruments, Forming. L. J. Lunas. 2,347,058; Apr. 18.
Electrical or mechanical connector. W. G. Donaldson. 2,347,089; Apr. 18.
Electrical recording stylus and making the same. J. H. Hackenberg and R. J. Wise. 2,346,675; Apr. 18.
Electrical wave modulation. E. I. Green. 2,347,098; Apr. 18.
Electrodynamic vibrator. H. Benioff. 2,346,655; Apr. 18.
Electron discharge device. C. Depew. 2,346,913; Apr. 18.
Electron multiplier. S. Van Mierlo. 2,346,952; Apr. 18.
Elevator control system. S. T. Hunt. 2,347,054; Apr. 18.
Emulsion composition. C. B. Hemming. 2,346,755; Apr. 18.
Engine: *See*—
  Internal combustion engine.
  Rotary steam engine.
Engine. E. Ginn. 2,347,096; Apr. 18.
Engine, Reversing mechanism for. M. Essl. 2,346,737; Apr. 18.
Engine cooling system. H. F. Hagen and R. T. Palmer. 2,347,153; Apr. 18.
Envelope or similar container for use in connection with C. O. D. actions. E. B. Berkowitz. 2,347,075; Apr. 18.
Ethers of diethylene glycol, Purification of. A. C. Plewes. 2,346,783; Apr. 18.
Explosive projectile. B. A. Hopper. 2,346,843; Apr. 18.
Fastener: *See*—
  Screw fastener.
Fastening device. G. A. Tinnerman. 2,346,712; Apr. 18.
Feed control for machine tools. E. P. Bullard, III, L. E. Alvey and P. H. Lange. 2,346,660; Apr. 18.
Fiberboard composition. F. Rosenthal. 2,346,943; Apr. 18.
Field winding for dynamoelectric machines. E. I. Pollard and J. A. Benyak. 2,347,063; Apr. 18.
Filaments from molten thermoplastic materials, Production of. E. Dumont. 2,347,036; Apr. 18.
Filament mount. P. O. Curtin. 2,347,028; Apr. 18.
Filing equipment. J. F. Douglas. 2,347,035; Apr. 18.
Film splicer. E. E. Russell. 2,346,874; Apr. 18.
Filter: *See*—
  Air filter.
Firearm, Gas-operated self-loading. D. M. Williams. 2,346,954; Apr. 18.
5-chloro-quinizarin, Manufacture of. R. N. Lulek and E. C. Buxbaum. 2,346,772; Apr. 18
Fixing agent and fixing colloid reliefs. J. Mahler. 2,346,755; Apr. 18.
Fixture for forming gear cutters. H. Pelphrey. 2,346,866; Apr. 18.
Fixture, Wall covering. S. P. Lichtor. 2,346,769; Apr. 18.
Flow device. R. E. Millican. 2,346,777; Apr. 18.
Flower holder. H. A. Post. 2,346,870; Apr. 18.
Fluid control for speed varying transmissions. W. R. Perry. 2,346,868; Apr. 18.
Fluid coupling. E. L. Bailey. 2,347,071; Apr. 18.
Fluid coupling. H. F. Patterson. 2,347,121; Apr. 18.
Fluid dosing device. W. M. Venable. 2,346,801; Apr. 18.
Fluid system. J. Fletcher. 2,346,672; Apr. 18.
Fluids, Means for dividing. J. N. Selvig. 2,346,795; Apr. 18.
Follow-up and compensating system. N. L. Haight. 2,346,838; Apr. 18.
Foundation garment. M. Kahn. 2,347,154; Apr. 18.
Frame: *See*—
  Picker and frame.
Freeness recording method and means, Continuous. A. B. Green. 2,346,746; Apr. 18.
Fruit clipping device. P. Metzger. 2,346,986; Apr. 18.
Fuel treating agent. J. W. Orelup. 2,346,780; Apr. 18.
Furnace: *See*—
  Heating furnace.
Furnace cyanide outlet, Blast. R. Franchot. 2,347,045; Apr. 18.

Game. P. C. Fernandez. 2,347,094; Apr. 18.
Gas carbureting apparatus. S. P. Jones. 2,346,762–3; Apr. 18.
Gauge: *See*—
Angle gauge. Pressure gauge.
Gear: *See*—
Landing gear. Reverse gear.
Gear cutter. E. Wildhaber. 2,346,806; Apr. 18.
Gear cutters, Forming. H. Pelphrey. 2,346,865; Apr. 18.
Gear shifting mechanism, Power. R. H. Casler and S. Vorech. 2,346,820; Apr. 18.
Gears, Cutting. E. Wildhaber. 2,346,807; Apr. 18.
Gelatin preparation. W. M. Urbain. 2,346,880; Apr. 18.
Generator-protection against leakage of cooler tubes. E. I. Pollard. 2,347,062; Apr. 18.
Germicide. A. L. Waugh. 2,347,012; Apr. 18.
Glass articles, Tempering. J. T. Littleton and R. K. Day. 2,347,116; Apr. 18.
Glassware, Treatment of. V. Walker. 2,347,011; Apr. 18.
Glucoside, Preparation of cardiac. M. Hartmann and E. Schlittler. 2,346,753; Apr. 18.
Grain, Treating. G. A. Brotherton. 2,346,902; Apr. 18.
Grapple. M. B. Branden. 2,346,901; Apr. 18.
Gravity feed oiler. O. H. Jung. 2,347,112; Apr. 18.
Grommet. F. E. McGee. 2,346,854–5; Apr. 18.
Gun mount. V. F. Lucht. 2,346,692; Apr. 18.
Gun rammer. L. A. Trofimov. 2,346,877; Apr. 18.
Hair net and the like, Machine made. R. Shaw. 2,346,796; Apr. 18.
Ham pumping. C. T. Walter. 2,346,953; Apr. 18.
Hammer, Pile. N. G. Bell. 2,346,894; Apr. 18.
Hanger fastening means, Detachable. A. A. Ritter. 2,346,873; Apr. 18.
Harvester. C. A. Stevens. 2,347,138; Apr. 18.
Harvester and header, Row crop. W. Hague. 2,346,963; Apr. 18.
Hearse, Convertible. E. L. Schofield. 2,347,002; Apr. 18.
Heat transfer apparatus. G. E. Clancy. 2,346,822; Apr. 18.
Heater: *See*—
Electric water heater.
Heating apparatus. S. E. Heymann. 2,346,966; Apr. 18.
Heating filament circuit. E. J. Leuthold. 2,346,654; Apr. 18.
Heating furnace. T. W. Torr. 2,346,876; Apr. 18.
Holder: *See*—
Concrete form and holder Insert chaser holder.
Flower holder.
Hoisting and conveying apparatus. C. N. Wold. 2,346,956; Apr. 18.
Holster, Forward draw spring. R. F. Tibbetts. 2,347,006; Apr. 18.
Hull form. W. S. Burgess. 2,347,077; Apr. 18.
Hydraulic brake. C. E. Frederickson. 2,346,833; Apr. 18.
Hydraulic gear pump. J. P. Johnson. 2,346,761; Apr. 18.
Hydrocarbon mixtures, Separating. C. E. Andrews and M. R. Fenske. 2,346,639; Apr. 18.
Hydrocarbons, Catalytic conversion of. J. G. Alther. 2,346,652; Apr. 18.
Hydrogenated product. I. W. Humphrey. 2,346,920–1; Apr. 18.
Hypohalous acid solutions, Production of. C. C. Crawford and T. W. Evans. 2,347,151; Apr. 18.
Ice accretion, Prevention of. G. S. Adlington. 2,346,891; Apr. 18.
Ice bunker for refrigerator cars, Convertible. J. S. Lundvall. 2,346,853; Apr. 18.
Ice-cream sandwiches, Making. W. S. Watts. 2,347,162; Apr. 18.
Ignition apparatus. J. L. Arthur. 2,347,019; Apr. 18.
Igniting system. W. A. Ray. 2,346,704; Apr. 18.
Images, Means for forming. J. Mahler. 2,346,774; Apr. 18.
Impregnating composition for textile materials. L. Beer. 2,347,024; Apr. 18.
Indicator: *See*—
Magnetic indicator. Water indicator.
Infant carrier. B. M. O'Brien. 2,346,989; Apr. 18.
Inflator, Life jacket. L. T. Ward. 2,347,010; Apr. 18.
Ink, Printing. F. J. Jeuck and C. A. Rietz. 2,346,969; Apr. 18.
Ink, Typographic printing. F. J. Jeuck and C. A. Rietz. 2,346,968; Apr. 18.
Inlet system for paper machines. F. S. Seaborne. 2,347,130; Apr. 18.
Insert chaser holder. J. A. Fluke. 2,347,043; Apr. 18.
Internal combustion engine. J. V. Caron. 2,346,729; Apr. 18.
Interpolymer. C. J. Mighton. 2,346,858; Apr. 18.
Joint: *See*—
Structural joint.
Kettle mounting and control means. W. H. Kuster and E. A. Glynn. 2,346,973; Apr. 18.
Knitted fabric and method. W. L. Smith, Jr. 2,347,005; Apr. 18.
Lamp: *See*—
Electric lamp.
Lamps, Method and apparatus for loading flash. W. J. Geiger and W. Davidson. 2,347,046; Apr. 18.
Landing gear. J. H. Stephens. 2,346,797; Apr. 18.
Lasting machine. B. Jorgensen. 2,346,687–8; Apr. 18.
Latch mechanism. A. F. Baker. 2,347,146; Apr. 18.
Latch mechanism. F. P. Berghoff. 2,346,656; Apr. 18.
Lead oxides, Manufacture of. R. L. Seabury and R. A. Daily. 2,347,131; Apr. 18.
Leather drier. A. O. Hurxthal. 2,347,109; Apr. 18.
Leg rest. L. E. Bowman. 2,346,722; Apr. 18.
Lehr for tubing. M. Pennybacker and A. R. Hussey. 2,347,156; Apr. 18.
Leuco sulphuric acid esters of the anthraquinone series. E. Besler. 2,347,027; Apr. 18.
Light: *See*—
Control of light. Electric water light.
Light polarizer. E. H. Land. 2,346,766; Apr. 18.
Lighting control system. A. C. Wullschleger. 2,346,889; Apr. 18.
Lighting device. G. Ainsworth. 2,346,717; Apr. 18.
Line selector switch. G. Deakin. 2,346,911; Apr. 18.
Liquid cooled bearing. R. H. Whiteley. 2,346,805; Apr. 18.
Locomotive construction, Steam. W. E. Woodard and A. H. Filander. 2,346,715–16; Apr. 18.
Loom. E. Welti. 2,346,803; Apr. 18.
Lubricant. C. Winning and J. G. McNab. 2,346,808; Apr. 18.
Machine for forming gears. H. Pelphrey. 2,346,867; Apr. 18.
Machine for reshaping used bottle caps. W. H. Hartmann. 2,347,102; Apr. 18.
Machine gun mount. G. Ironside. 2,346,845; Apr. 18.
Magnet chuck, Permanent. J. T. Beechlyn. 2,347,023; Apr. 18.
Magnetic indicator. J. W., A. S., and W. F. McBride. 2,346,773; Apr. 18.
Magnetic spark plug. L. Beeh. 2,347,072; Apr. 18.
Marker, Cattle. W. F. Schacht. 2,346,946; Apr. 18.
Material and the manufacture thereof, Water softening. S. Dahl-Rode. 2,346,909; Apr. 18.
Material, Impregnated fibrous. A. B. Miller. 2,346,934; Apr. 18.
Material, Saturating felted fibrous. R. F. Schlaanstine. 2,346,947; Apr. 18.
Megaphone. R. A. Brown. 2,346,818; Apr. 18.
Merchandise conveyor. J. K. Bruce. 2,346,659; Apr. 18.
Metal article, Lined. H. R. Austin. 2,347,070; Apr. 18.
Metal catalysis, Suppression of. J. A. Chenicek. 2,346,662–3; Apr. 18.
Meter: *See*—
Ratio meter.
Meter and relay for telecommunication systems, Service. G. Deakin. 2,346,910; Apr. 18.
Milk, Treating. M. E. Hull. 2,346,844; Apr. 18.
Mirror, Rear view. A. R. Ewing. 2,346,739; Apr. 18.
Mold: *See*—
Wave record mold.
Molds, Method and apparatus for grinding. W. A. Montgomery. 2,346,861; Apr. 18.
Molybdenum content of scheelite or calcium tungstate by visual color of its fluorescence, Estimating. R. S. Cannon, Jr., and K. J. Murata. 2,346,661; Apr. 18.
Monochloromonobromethane and dibromomethane, Preparing. O. Scheier, F. Dostal, and K. Dachlauer. 2,347,000; Apr. 18.
Motor: *See*—
Rotary motor.
Motor operated automatic regulator. E. W. Seeger, J. A. Senn, and C. Stansbury. 2,346,794; Apr. 18.
Motor vehicle heating system. A. B. Werdehoff. 2,347,141; Apr. 18.
Motor vehicle lighting. W. P. Cousino. 2,347,085; Apr. 18.
Mounting: *See*—
Wheel mounting.
Mousetrap. C. Hutchinson. 2,347,110; Apr. 18.
Moving sign. W. F. O'Gorman. 2,346,699; Apr. 18.
Multipiece piston ring. T. A. Bowers. 2,346,897; Apr. 18.
Nail driving device. J. T. Wheeler. 2,346,884; Apr. 18.
Navigational instrument. T. O. Summers, Jr. 2,346,798; Apr. 18.
Noiseless sound system. J. R. Cooney. 2,347,084; Apr. 18.
Nut cracking machine. J. F. Lotspeich. 2,346,980; Apr. 18.
Oil float operated switch. W. W. Williams. 2,346,886; Apr. 18.
Oil gasification, Fuel. C. E. Hemminger. 2,346,754; Apr. 18.
Oil, Vulcanizing. H. S. Polin and A. I. Nerken. 2,346,702; Apr. 18.
Oils, Refining of mineral. H. J. Dempsey. 2,346,734; Apr. 18.
Olefins and aromatic hydrocarbons, Production of. D. F. Babcock and A. W. Larchar. 2,346,642; Apr. 18.
1-araylamino-5-hydroxynaphthalene-7-sulphonic acid. R. Fleischhauer and A. Müller. 2,347,042; Apr. 18.
Operating means for extensible and retractible aerials, Power driven. E. Carlson. 2,346,728; Apr. 18.
Ore processing apparatus. C. S. Ramsey. 2,346,787; Apr. 18.
Oven, Coke. C. Otto. 2,346,991; Apr. 18.
Package for carbon paper. E. W. Curtis, Jr. 2,346,828; Apr. 18.
Packaging machine. G. A. Robinson. 2,347,124; Apr. 18.

Paper, Making coated. D. B. Bradner. 2,346,812; Apr. 18.
Paper reel brake. W. Hoppe. 2,346,756; Apr. 18.
Pencil, Display. W. R. Wilson. 2,347,144; Apr. 18.
Perfumer. M. Pappas. 2,347,060; Apr. 18.
Petroleum deposits, Method of detecting. P. F. Dougherty and P. D. Barton. 2,346,735; Apr. 18.
Phonograph record rack. O. Sabin. 2,346,705; Apr. 18.
Photoelectric devices and associated circuits, Compensating for drift of. K. Woloschak. 2,347,015; Apr. 18.
Photographic multicolor pictures, Producing. W. Michaelis. 2,347,119; Apr. 18.
Photographic printing apparatus. E. B. Noel. 2,346,988; Apr. 18.
Picker and frame, Knitting. G. Albert. 2,347,069; Apr. 18.
Pigments to surfaces, Applying. O. Austin. 2,347,022; Apr. 18.
Pilot circuit switch. E. Muchow. 2,346,862; Apr. 18.
Pilot, Side wall. J. L. Breese. 2,346,816; Apr. 18.
Pipe bell hub and sealing means. J. E. Frances. 2,347,044; Apr. 18.
Piston ring. T. A. Bowers. 2,346,896; Apr. 18.
Piston rings, Making slotted. T. A. Bowers. 2,346,898; Apr. 18.
Pitch propeller, Variable. D. G. Lilley. 2,346,979; Apr. 18.
Planting mechanism. W. Elliott. 2,347,091; Apr. 18.
Plug: *See*—
Magnetic spark plug. Spark plug.
Polarizing bodies, Making. L. Pollack. 2,346,784; Apr. 18.
Polishing machine. H. R. Costley. 2,347,029; Apr. 18.
Polished rod clamp. K. N. Mills. 2,346,859; Apr. 18.
Polystyrene composition. R. F. Hayes. 2,347,103; Apr. 18.
Portable hand-operated pump. A. J. Grocott. 2,347,100; Apr. 18.
Portable industrial skid. F. Garbarino. 2,347,095; Apr. 18.
Positive displacement pump. L. E. Harper. 2,346,964; Apr. 18.
Pot with supplemental pilot chamber. J. L. Breese and B. Hayter. 2,346,817; Apr. 18.
Power-driven tool. G. C. Robinson. 2,347,125; Apr. 18.
Power generating device. L. A. Barnett. 2,346,643; Apr. 18.
Power tube structure. C. V. Litton. 2,346,929; Apr. 18.
Press: *See*—
Drill press. Punch press.
Press. N. Geertsen. 2,346,673; Apr. 18.
Pressure gauge. A. J. Logie. 2,346,852; Apr. 18.
Preventing ice formation on surfaces. J. D. Larson. 2,347,114; Apr. 18.
Price card rack. J. J. Muehling. 2,346,779; Apr. 18.
Printing composition. A. J. Wuertz and J. Delnet. 2,346,957; Apr. 18.
Printing method and paper for use therein. A. E. Gessler and D. J. Bernardi. 2,347,047; Apr. 18.
Printing rolls, Making. J. J. Ormond. 2,346,939; Apr. 18.
Printing telegraph apparatus. R. D. Salmon and A. A. Kirchel. 2,346,944; Apr. 18.
Profile duplicating machine. E. C. S. Clench and Q. H. Carlton. 2,346,823; Apr. 18.
Propane, Treatment of. H. Pines and V. N. Ipatieff. 2,346,701; Apr. 18.
Propeller control valve, Inertia actuated. E. Martin. 2,346,856; Apr. 18.
Propeller spinner. E. Harper. 2,346,680; Apr. 18.
Pulp consistency testing apparatus. E. W. Samson and A. H. Croup. 2,346,945; Apr. 18.
Pump: *See*—
Hydraulic gear pump. Positive displacement pump.
Portable hand-operated pump. Thermotic pump.
Punch, Multiple. W. D. Lewis. 2,346,925; Apr. 18.
Punch press. L. E. Aske. 2,346,719; Apr. 18.
Puzzle. W. Ashworth. 2,347,020; Apr. 18.
Rack: *See*—
Phonograph record rack. Price card rack.
Rack. C. F. Rauen and G. Forhan. 2,346,703; Apr. 18.
Radiometeorgraph transmitting apparatus. C. F. Wallace. 2,347,160; Apr. 18.
Rate control for tuning fork oscillators. M. S. Mead, Jr. 2,346,984; Apr. 18.
Ratio meter. R. D. Hickok. 2,346,683; Apr. 18.
Rayon, Manufacture of. A. J. L. Moritz, A. L. Jackson, and G. I. Thurmond. 2,346,696; Apr. 18.
Recorder, Train control forestalling. W. B. Wait. 2,346,883; Apr. 18.
Recording apparatus. J. Walker. 2,346,802; Apr. 18.
Red litharge, Manufacture of. R. L. Seabury and R. A. Dailey. 2,347,132; Apr. 18.
Refrigerated display cabinet. W. J. Drucker. 2,346,914; Apr. 18.
Refrigerating apparatus. E. D. Drake. 2,347,090; Apr. 18.
Refrigerating apparatus. A. O. Grooms. 2,346,837; Apr. 18.
Refrigeration apparatus. J. H. Ashbaugh. 2,346,641; Apr. 18.
Register, Demand. P. G. Adams and M. W. Axman. 2,347,016; Apr. 18.
Regulator: *See*—
Draft regulator. Voltage regulator.
Motor operated automatic regulator.
Reinforcing means for piston rings. T. A. Bowers. 2,346,899; Apr. 18.
Relay. W. D. Halles and W. M. Barker. 2,346,751; Apr. 18.
Relay, Overload. G. C. Armstrong. 2,347,018; Apr. 18.
Resinlike product and preparing same. R. C. Palmer and E. Edelstein. 2,346,994; Apr. 18.
Reverse gear. G. O. Gridley. 2,347,099; Apr. 18.
Ring: *See*—
Piston ring.
Road construction. J. H. Long. 2,346,930; Apr. 18.
Roll lift strand. W. G. Shackelford and A. L. Wiley. 2,346,948; Apr. 18.
Roll-up drawing board, Flexible. G. C. Corley. 2,346,908; Apr. 18.
Rosin and rosin compounds, Derivatives of. E. D. Schultz and W. E. Shaefer. 2,346,793; Apr. 18.
Rotary motor. E. J. Beech. 2,346,646; Apr. 18.
Rotary steam engine. E. N. Ogle. 2,346,936; Apr. 18.
Saddle construction. R. W. Faulhaber. 2,347,093; Apr. 18.
Saw retoother. H. P. Deyarmond. 2,347,087; Apr. 18.
Scarf. E. O. Herbranson. 2,346,918; Apr. 18.
Scarfing, Method of. J. L. Anderson. 2,346,718; Apr. 18.
Scraper. R. S. Horner. 2,346,757; Apr. 18.
Screen: *See*—
Deep well screen. Well screen.
Screw fastener. E. M. Green. 2,346,835; Apr. 18.
Scriber. F. W. Heide. 2,346,840; Apr. 18.
Seal for fire extinguishers, Safety. F. Fredriksen. 2,346,741; Apr. 18.
Sealing apparatus. C. J. Malhiot. 2,346,776; Apr. 18.
Sealing unit. A. J. Matter. 2,347,118; Apr. 18.
Separator for cartridge cartons. E. B. Rice. 2,346,788; Apr. 18.
Servomotor system, Fluid-actuated. F. W. Meredith. 2,346,857; Apr. 18.
Sheet material, Method and apparatus for. E. M. Kratz. 2,346,764; Apr. 18.
Shield for ophthalmic mountings, Eye. E. M. Splaine. 2,346,709; Apr. 18.
Shirt aligning device. L. E. Shaw. 2,347,133; Apr. 18.
Shoe. W. Grossman. 2,346,960; Apr. 18.
Shoes, Making. S. Bown. 2,346,651; Apr. 18.
Shuttle, Loom. H. E. Goff. 2,346,745; Apr. 18.
Seat: *See*—
Automobile seat. Vehicle seat.
Sign: *See*—
Moving sign.
Signals electrically, Recording. W. N. Engler and B. L. Kline. 2,346,670; Apr. 18.
Sine vise. J. Jesionowski. 2,347,111; Apr. 18.
Siphon. L. H. Smith. 2,347,004; Apr. 18.
Size for textile fabrics. A. L. Rummelsburg. 2,346,791; Apr. 18.
Skins and method of dehairing. E. F. Christopher. 2,346,907; Apr. 18.
Socket, Cable. T. W. Isaacs. 2,346,846; Apr. 18.
Sodium carbonate, Purifying crude. A. C. Houghton. 2,347,053; Apr. 18.
Solids from solution, Recovering. H. A. Beekhuis, Jr. 2,347,073; Apr. 18.
Sound recording. C. Chedister. 2,346,905; Apr. 18.
Spark plug. S. D. Heron. 2,347,050; Apr. 18.
Spark plug. S. D. Heron, and K. Beaver. 2,347,051; Apr. 18.
Spectrophotometer accessory. W. A. Shurcliff. 2,347,066; Apr. 18.
Spectrophotometer apparatus for absorbing specular reflection. W. A. Shurcliff. 2,347,067; Apr. 18.
Speedometer drive. G. W. Harper. 2,346,681; Apr. 18.
Steel, Anodically polishing. C. F. Faust. 2,347,040; Apr. 18.
Stepladder. R. Rigby. 2,347,065; Apr. 18.
Sterilizing means for infant-feeding bottles. W. V. Consolazio. 2,347,150; Apr. 18.
Storm window. D. L. Steele. 2,347,137; Apr. 18.
Strip, Beading. L. Spraragen. 2,347,158–9; Apr. 18.
Structural joint. E. E. Green. 2,347,049; Apr. 18.
Supporting apparatus. H. Mays. 2,346,932; Apr. 18.
Suspension device, Resilient. G. H. Dowty. 2,346,667; Apr. 18.
Sweatbox. M. A. Cotter. 2,346,827; Apr. 18.
Switch: *See*—
Line selector switch. Pilot circuit switch.
Oil float operated switch.
Switch for electro thermal apparatus. E. Challet. 2,346,730; Apr. 18.
Switching system. F. A. Hubbard. 2,347,107; Apr. 18.
Table. A. M. Mercur. 2,346,985; Apr. 18.
Table construction. W. A. Hillenbrand. 2,346,919; Apr. 18.
Table for fish dressing machines, Feeder. N. L. Oates. 2,346,935; Apr. 18.
Tag, Sealable. F. P. Valenti. 2,346,881; Apr. 18.
Take-off and tensioning device for strand supplies. W. A. Heger. 2,346,917; Apr. 18.

Tank closure. D. F. Brawn. 2,346,723; Apr. 18.
Taps, Manufacture of screw-threading. A. H. Lloyd. 2,346,851; Apr. 18.
Telephone system. K. L. Frederick. 2,346,915; Apr. 18.
Television signal-translating apparatus. J. A. Rado. 2,347,064; Apr. 18.
Temperature compensation means for pressure actuated indicators. A. E. Sidwell. 2,347,134; Apr. 18.
Tensile machine. M. J. Manjoine, and A. Nadai. 2,346,981; Apr. 18.
Test system. M. A. Edwards, D. E. Garr and B. S. Weaver. 2,347,037; Apr. 18.
Textile fibers, Dyeing of. C. C. Wilcock. 2,347,143; Apr. 18.
Textile product. T. Jackson, D. Finlayson, and T. B. Frearson. 2,346,759; Apr. 18.
Thermal switching device. H. H. Willmann. 2,347,014; Apr. 18.
Thermionic device and circuit including the same. G. W. Baker. 2,346,653; Apr. 18.
Thermistor. H. Wolfson, and S. C. Shepard. 2,346,955; Apr. 18.
Thermotic pump. S. Henderson. 2,346,841; Apr. 18.
Tiller, Rotary soil. M. S. Ariens. 2,347,017; Apr. 18.
Timer. Adjustable automatic interval. J. B. Maris. 2,346,694; Apr. 18.
Tire, Resilient. W. A. Tripp. 2,346,799; Apr. 18.
Tool: *See*—
  Electric tool. Power-driven tool.
Toolholder. S. Speckert. 2,347,136; Apr. 18.
Toolslide supporting structure. O. R. Briney, Jr. 2,346,724; Apr. 18.
Tone arm. R. Dally. 2,346,733; Apr. 18.
Torque measuring device. B. F. Langer, and W. O. Osbon. 2,346,976; Apr. 18.
Toy, Airplane. W. Lines. 2,346,850; Apr. 18.
Toy monorail train and handcar. C. P. Lent. 2,346,978; Apr. 18.
Track unit, Endless. H. Law. 2,346,848; Apr. 18.
Tractor-trailer combination. S. B. Winn. 2,346,888; Apr. 18.
Trailer hitch. J. D. Caton. 2,347,081; Apr. 18.
Transfer apparatus. R. E. Schurtz and J. N. Roth. 2,346,875; Apr. 18.
Transmission gearing. G. Hall and E. Brierley. 2,346,752; Apr. 18.
Transmission network, Frequency selective. S. Y. White. 2,346,804; Apr. 18.
Truck, Barrel. F. J. Bilek and F. Plecki. 2,346,649; Apr. 18.
Truck, Car. H. H. Mohl. 2,346,860; Apr. 18.
Truck trailer. W. S. Howell. 2,347,106; Apr. 18.
Tube: *See*—
  Cathode ray tube.
Tube coating machine, Collapsible. G. W. Temple. 2,346,951; Apr. 18.
Tube corrugating machine. N. H. Curtiss and T. J. Aamland. 2,347,086; Apr. 18.
Tube tester. L. J. de Lanty. 2,346,830; Apr. 18.
Turntable mechanism for trailers or trucks. J. J. Black. 2,346,900; Apr. 18.
Turn valve. L. S. Aldrich. 2,346,892; Apr. 18.
Tying machine. F. Radeck. 2,346,786; Apr. 18.
Urea-formaldehyde condensation product. L. Smidth. 2,346,708; Apr. 18.
Utensil, Baking. L. J. Harriss and B. Lambers. 2,346,839; Apr. 18.

Valve: *See*—
  Automatic heater control valve. Propeller control valve.
  Differential valve. Turn valve.
Valve. R. G. Carlson. 2,346,904; Apr. 18.
Valve. E. G. Oravec. 2,346,938; Apr. 18.
Valves, Protection of relief. E. Q. Camp. 2,346,727; Apr. 18.
Vapor electric device and method of operation. N. T. Gordon and W. R. Whitney. 2,347,048; Apr. 18.
Variable pitch propeller mechanism, Combined speed and velocity responsive. W. S. Hoover. 2,347,104; Apr. 18.
Vegetable washer. J. D. Gaddie. 2,346,742; Apr. 18.
Vehicle seat. S. Bergman. 2,346,895; Apr. 18.
Vent structure for cells employing liquid electrolytes. C. D. Olson. 2,346,937; Apr. 18.
Ventilating system, Crankcase. W. Engstrom and E. Ginn. 2,346,736; Apr. 18.
Vibration dampener. F. F. Kishline. 2,346,972; Apr. 18.
Voltage regulator. J. E. Priest. 2,346,997; Apr. 18.
Voting machine. A. N. Gustavson. 2,346,962; Apr. 18.
Wallboard, Manufacture of composite. J. B. Sandford and V. Lefebure. 2,346,999; Apr. 18.
Warplane. R. Kauch and C. L. Paulus. 2,346,689; Apr. 18.
Washer: *See*—
  Annoule washer. Vegetable washer.
Washing machine. G. W. Dunham. 2,346,668-0; Apr. 18.
Water by froth flotation, Clarification of white. R. B. Booth. 2,347,147; Apr. 18.
Watch indicator. J. Salit. 2,347,129; Apr. 18.
Wave length modulator. G. L. Usselman. 2,346,800; Apr. 18.
Wave record mold. J. O. Kleber. 2,346,760; Apr. 18.
Web roll controlling mechanism. C. S. Caffrey. 2,346,903; Apr. 18.
Weigher, Net and gross. E. W. Vredenburg. 2,346,882; Apr. 18.
Welding machine, Resistance. J. W. Bayles. 2,346,645; Apr. 18.
Well logging. E. E. Roper. 2,346,789; Apr. 18.
Well screen. E. W. Bennison. 2,346,647; Apr. 18.
Wheel and the like, Turbine bucket. J. H. Doran. 2,347,034; Apr. 18.
Wheel construction for front wheel drives. H. R. Holmes. 2,346,842; Apr. 18.
Wheel mounting. W. F. Strehlow. 2,346,950; Apr. 18.
Wire coating die, Universal rectangular. R. W. Mungall. 2,346,697; Apr. 18.
Work guide for sewing machines. J. Rosenzweig. 2,347,127; Apr. 18.
Wringer drive control mechanism. W. G. Beatty. 2,346,893; Apr. 18.
Wringer, Pivotal frame. N. L. Etten. 2,346,738; Apr. 18.
Yeast, Method of treating. J. J. Enright and H. E. Foote. 2,346,671; Apr. 18.
Zinc-calcium resinate and making the same. R. C. Palmer, A. F. Oliver and E. Edelstein. 2,346,995; Apr. 18.
Zinc-calcium resinate and preparing same, Permanently refusible. R. C. Palmer and E. Edelstein. 2,346,993; Apr. 18.
Zinc resinate and preparing same, Permanently refusible. R. C. Palmer and E. Edelstein. 2,346,992; Apr. 18.

CLASSIFICATION OF PATENTS

ISSUED APRIL 18, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Notice of Cancellation

U. S. Patent Office, *Richmond, Va., Mar. 31, 1944.*

Estate of Abraham Shalit, the assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Max Ams, Inc., Greenwich and N. Moore Sts., New York, N. Y., to effect the cancellation of trade-mark registration of the Estate of Abrahsm Shalit, 524 E. 134th St., Bronx, New York, N. Y., No. 330,341, dated November 26, 1935, and the notice of such proceeding sent by registered mail to said Estate of Abraham Shalit at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Estate of Abraham Shalit, the assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. R. I.) Bellavance patent, No. 2,108,247, for bracelet and method of making the same, *Held* invalid. *Bellavance v. Frank Morrow Co.*, 140 F.(2d) 419, affirming 49 F. Supp. 576.

(C. C. A. R. I.) Manickas patent, No. 2,114,930, for a bracelet, *Held* invalid. *Id.*

(D. C. Del.) Holdsworth patent, No. 2,150,061, for wall construction, *Held* invalid. *Goldsmith Metal Lath Co.* v. *Milcor Steel Co.*, 53 F. Supp. 778.

(C. C. A. Mo.) Hand design patent, No. 105,071, for a fruit juice extractor, *Held* not infringed. *Sears, Roebuck & Co.* v. *Talge*, 140 F.(2d) 395, reversing *Talge* v. *Sears Roebuck & Co.*, 48 F. Supp. 723.

(C. C. A. Mo.) Majewski design patent, No. 105,335, for a fruit press, *Held* not infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,268,726, M. B. Tark, Floc concentration tank, decided March 22, 1944, claims 1, 2, and 17.

Pat. 2,293,179, R. H. Swingle, Circuit breaker, decided February 4, 1944, claims 8 and 9.

Disclaimer

2,286,044.—*Charles P. West*, Forest Hills, Pa., *Roy M. Smith*, Livingston, N. J., and *William A. Lewis, Jr.*, Ithaca, N. Y. Detachable Relay. Patent dated June 9, 1942. Disclaimer filed March 30, 1944, by the inventors; the assignee, *Westinghouse Electric & Manufacturing Company*, concurring.

Hereby enter this disclaimer to claims 1, 3, 10, and 11 of said Letters Patent.

Condition of Applications Under Examination at Close of Business April 8, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,537; Trade-Mark Division, 1,266. Oldest new case, May 12, 1943; oldest amended, May 12, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 27	Nov. 20	411
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 11	Sept. 16	498
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 21	Aug. 11	941
4. BISHOP, WALTER C., Conveyers; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 15	Oct. 11	457
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Sept. 3	Sept. 3	976
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 23	Sept. 8	1199
7. JARBOE, C. G., Optics, Photography	Dec. 4	Oct. 20	659
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 29	Oct. 21	442
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 14	Oct. 9	676
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Nov. 12	Oct. 20	286
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Aug. 14	July 26	942
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Oct. 27	Oct. 29	513
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Nov. 27	Nov. 24	582
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Sept. 10	Sept. 3	739
16. SPENCER, C. J., Telegraphy; Telephony	Nov. 9	Nov. 5	544
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 10	Aug. 6	521
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 12	May 12	806
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 25	Sept. 15	492
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Nov. 17	Nov. 2	397
21. THOMPSON, T. J., Textiles	Oct. 27	Sept. 18	369
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 16	Aug. 16	1110
23. BARROWS, B., Cash Registers; Calculators (part)	July 10	June 30	180
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 5	Oct. 21	549
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 8	Oct. 16	714
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 10	July 15	900
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 6	July 27	525
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	July 17	July 19	705
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 27	Oct. 1	649
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 12	July 12	1032
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Oct. 23	Oct. 27	1083
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Oct. 11	Sept. 29	581
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 22	Oct. 29	625
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Nov. 8	Aug. 13	503
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 5	Nov. 12	418
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Dec. 8	Dec. 16	348
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 18	Aug. 10	663
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Aug. 4	Aug. 2	457
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Nov. 5	Nov. 10	597
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 22	Nov. 26	579
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 17	Aug. 10	404
42. MARANS, H., Electric Signaling	Nov. 22	Nov. 20	353
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 30	Sept. 2	761
44. HARVEY, L. P., Refrigeration; Preserving	Sept. 6	Aug. 25	404
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Oct. 9	Oct. 11	925
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 8	Oct. 8	480
47. KANOF, WM. J., Brakes; Boring and Drilling; Land Vehicles (part)	Nov. 19	Nov. 10	617
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Sept. 2	Sept. 4	817
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 16	Oct. 4	632
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Sept. 21	Sept. 21	1290
51. CROCKER, A. W., (Acting), Radiant Energy, Multiplex Telephony, Modulators	Sept. 1	Sept. 3	1356
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 29	Sept. 2	748
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies; Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 25	Aug. 7	377
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 13	June 1	727
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Aug. 7	Aug. 6	657
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 8	Oct. 5	729
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	May 14	Aug. 21	668
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 9	Oct. 16	624
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Aug. 28	Aug. 26	1280
60. GLASS, R. L., Electricity, Heating; Welding; Furnaces; Batteries and their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats, Prime Mover Dynamo Plants.	Aug. 7	Aug. 7	698
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Aug. 11	Sept. 24	449
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Nov. 22	Nov. 29	678
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	July 22	Aug. 11	902
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Nov. 19	Nov. 19	1015
65. McDERMOTT, F. F., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 28	July 3	840
Trade-Marks: RICHMOND, F. A	Feb. 7	Feb. 5	1266
Designs: KALUPY, H. H	Feb. 28	Mar. 14	457

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

W. T. Flather, Limited

v.

Joseph T. Ryerson & Son, Inc.

Decided February 5, 1944

1. Fees—Refund—Mistake.

Where opposer, upon publication of applicant's mark, filed a notice of opposition to the application and paid the statutory fee, but before the opposition was forwarded to the Examiner of Interferences, the Examiner of Trade-Marks acquired jurisdiction of the application and rejected the application on a registration pleaded in the notice of opposition, and the application in due course became abandoned, *Held* that the fee was not paid by "mistake" and could not be refunded, citing the opinion of the Comptroller General (556 O. G. 1).

2. Same—Same—Same.

"When the notice of opposition was filed, * * * opposer desired to prevent the registration to applicant of the mark that had been published. In order to effectuate that desire, it filed the notice and paid the fee. The subsequent rejection of the application, ex parte, obviated the necessity for opposition. But, to repeat the words of the Comptroller General, * * * 'there can be no sound basis for the view that such action has the retroactive effect of converting a payment proper when made into a payment made by mistake.'"

On petition for return of fee.

Mr. Chauncey P. Carter for W. T. Flather, Limited.

Mr. E. L. Hartig for Joseph T. Ryerson & Son, Inc.

Frazer, *First Assistant Commissioner:*

The letters from opposer's attorney dated January 17 and January 19, 1944, are treated as a petition for the return of the statutory fee paid by opposer upon the filing of its notice of opposition in the above entitled proceeding.

Applicant's mark was published in the Official Gazette on August 12, 1941, and the notice of opposition was filed on August 28, 1941. On September 19, 1941, the Examiner of Trade-Marks requested jurisdiction of the application, which was granted, for the purpose of "further considering" the registrability of applicant's mark, in view of a registration previously issued to opposer and pleaded in the notice of opposition. On September 25, 1941, the Examiner of Trade-Marks, citing opposer's registration as a reference, rejected the application. No response was made to that action, and in due course the application became abandoned. The opposition was never forwarded to the Examiner of Interferences.

Opposer contends that its notice of opposition was filed by reason of a "mistake" on the part of the Patent Office in publishing applicant's mark, and that the fee should thus be refunded under the provisions of the act of March 6, 1920, which authorizes the Commissioner of Patents

"to pay back any sum or sums of money paid to him by any person by mistake or in excess of the fee required by law."

In support of this contention opposer cites a recent opinion of the Comptroller General (558 O. G. 345), holding that

"the final fee paid for the issuance of a patent is refundable where, after notice of the allowance of an application for a patent, the case has been withdrawn from issue by the Commissioner of Patents."

The reasoning upon which that ruling was predicated is stated in the following language:

"It is clear that the fee here in question properly is for consideration as being an 'advance payment.' That is to say, while actual payment of the fee is required to be made within a certain period 'from the time at which the application was passed and allowed' and while payment thereof is made, in effect, a condition precedent to issuance of the patent, the fee is related only to the 'issuing' of the patent rather than to allowance of the application or to any action to be taken or service to be rendered between the date of the allowance and the date of issue."

[1][2] In an earlier opinion of the Comptroller General (556 O. G. 1), which is expressly distinguished in the cited opinion, it was held that the Commissioner of Patents is without authority to refund the fee paid in a patent case upon appeal from the Primary Examiner to the Board of Appeals, even though the final rejection has been withdrawn and the appeal has not been "forwarded to nor considered by the Board of Appeals." It was there said:

"Even if it correctly could be said that the rejection of the claim by the Primary Examiner was a mistake, yet that fact is not controlling, since by the plain language of the said act of 1920 it is applicable to a mistake relating to the payment only. Hence it would seem that a determination of the question must depend upon the factual situation existing when the claim was rejected. At that time the applicant desired to file an appeal from the adverse decision with which he then was confronted; and, in order to do so, he paid the fee required by law. There can be no doubt that the fee was paid intentionally by the applicant for the purpose of having the appeal considered by the Board of Appeals; that is to say, the payment of the fee was proper, and was not, in any sense, made by mistake. While the subsequent withdrawal of the rejection by the Examiner obviated the necessity for an appeal, there can be no sound basis for the view that such action has the retroactive effect of converting a payment proper when made into a payment made by mistake."

The "factual situation" in the instant case, when the notice of opposition was filed, was that opposer desired to prevent the registration to applicant of the mark that had been published. In order to effectuate that desire, it filed the notice and paid the fee. The subsequent rejection of the application, ex parte, obviated the necessity for opposition. But, to repeat the words of the Comptroller General, which seem quite as applicable here as in the hypothetical case considered by him, "there can be no sound basis for the view that such action has the retroactive effect of converting a payment proper when made into a payment made by mistake."

The petition is denied.

U. S. Court of Customs and Patent Appeals

Philip A. Hunt Company

v.

Eastman Kodak Company

Nos. 4,815 and 4,816. Decided January 3, 1944

[— F.(2d) —]

1. Trade-Marks—Descriptiveness.

In appellant's mark "Graph-O-Lith" and appellee's registered trade-mark "Kodalith," both applied to de-

velopers used in the lithographic industry, the suffix "lith" *Held* to be descriptive of the use to which the goods of the parties are put, and descriptive of the character and quality of such goods.

2. SAME—SAME.

"Appellee is not entitled to the exclusive use of the suffix 'lith' in a trade-mark for use on a developer for photomechanical reproduction."

3. SAME—CONFUSING SIMILARITY.

The term "Graph-O" in appellant's mark "Graph-O-Lith" *Held* to differ sufficiently from the prefix "Koda" in appellee's mark "Kodalith," so that, when considered in their entireties, the marks of the parties, as used on substantially identical goods, are not confusingly similar.

APPEAL from the Patent Office. Reversed.

Mr. Herbert J. Jacobi for Philip A. Hunt Company.

Mr. Newton M. Perrins and *Mr. George A. Gillette, Jr.*, for Eastman Kodak Company.

HATFIELD, *J.*:

These are appeals in trade-mark opposition proceedings.

The trade-marks of appellant, hereinafter described, being substantially the same and being used on identical goods, the opposition proceedings were consolidated in the Patent Office for the purpose of trial. Accordingly, the two appeals will be disposed of in one opinion.

Appellant's mark, in appeal No. 4,815, consists of the term "Graph-O-Lith," for use on chemicals for developing line and half-tone negatives. Appellant states in its application for registration, filed January 13, 1940, that it has used its mark "Graph-O-Lith" on its goods since August 1, 1939.

In appeal No. 4,816, appellant's mark, for use on chemicals for developing line and half-tone negatives, comprises the term "Graph-O-Lith" appearing immediately below the term "Developer." The two terms are superimposed in white letters upon a fanciful design composed of red and blue lines, the term "Developer" being disclaimed apart from the mark as shown Appellant states in its application for registration, filed October 8, 1940, that it has used its mark on its goods since October 2, 1940. It is conceded that the dominant feature of the mark is the word "Graph-O-Lith."

Appellee is the owner of trade-mark registration No. 280,009, issued February 10, 1931, on an application filed September 24, 1930, of the mark "Kodalith" for use on "Photographic Developer." It is also the owner of trade-mark registration No. 272,060, issued June 24, 1930, on an application filed February 5, 1930, for the trade-mark "Kodalith" for use on "Sensitized Photographic Paper," and trade-mark registration No. 349,082, issued August 17, 1937, on an application filed April 8, 1937, for the trade-mark "Kodalith" for use on "Photographic Papers, Photographic Films, Photographic Stripping Films, Sensitized Tracing Cloth, and Photographic Plates."

It appears from the record that the goods of the parties are used in the lithographic industry, or, as stated by appellee's witness, Victor W. Hurst, in a process of "photomechanical reproduction," that is, the

"making of printing plates by photography for letter press printing, planographing or photolithography, intaglio or photogravure and other mechanical methods of making printed pictorial reproductions."

It further appears from the record that appellee pioneered in the development and introduction of improved photographic processes for photomechanical reproduction; that it used the trade-mark "Kodalith" on several photographic products, including its "Kodalith Developer," long prior to the use by appellant of its mark "Graph-O-Lith" on its compound; that it has expended approximately $26,000 in advertising its trade-mark "Kodalith" and its various "Kodalith" products, including its "Photographic Developer," in various trade publications, such as

"Photoengravers Bulletin, American Photoengraver, National Lithographer, The Photolithographer, and Modern Lithography (successor to the National Lithographer)"';

that appellee's "Photographic Developer" is sold to lithographers, photo-engravers, etc.; that appellant's chemicals for developing line and half-tone negatives are sold to the same class of purchasers as is appellee's product; that the goods of the parties are not sold to the general public; that they are substantially identical; that they are comparatively inexpensive; and that they are consumed in their use.

It further appears from the record that, since 1909, appellant has been engaged in the manufacture and sale of chemicals; that it has an excellent reputation and a high credit rating; that, since the spring of 1937, it has been using the trade-mark "Graphol" on certain photographic developers, compounds differing apparently from the one here involved; and that when the company produced a "developer" for the lithographic industry, it adopted the mark "Graph-O-Lith" for the reason, as stated by the witness, Philip A. Hunt, president of the appellant company, that

"we had Graphol registered, I thought it [meaning the term 'Graph-O-Lith'] would be a good name to be used for the new compound which we were making, and which had to have a name and by using, the term 'Graph-O-Lith', the industry would know and associate the name with Philip A. Hunt Company."

The sole issue in the case is whether appellant's mark "Graph-O-Lith" and appellee's mark "Kodalith," when used on substantially identical goods, are confusingly similar.

Each of the tribunals of the Patent Office was of opinion that the marks of the parties were confusingly similar, sustained appellee's notices of opposition, and held that appellant was not entitled to the registration of either of its trade-marks.

In his decision, the Examiner of Interferences stated that the suffix "lith" is defined by the lexicographers as an abbreviation of the term "lithography," and, as applied to the goods of the parties, possessed descriptive significance. The Examiner held, however, that, although the goods of the parties were sold to "an unusually discriminating class of purchasers," the marks, considered as a whole, were confusingly similar.

In affirming the decision of the Examiner of Interferences, the Commissioner stated that it seemed to be conceded that the suffix "lith" of each of the involved marks carried the suggestion that the mark was

"applied to goods relating to lithography. This syllable "lith" is an integral part of each mark and this syllable, as well as the other parts of the mark, affects the appearance, sound and significance of the mark as a whole."

The Commissioner further stated:

Considering the marks in their entireties it *seems to me that the identical suffixes "lith" in the marks clothe the marks in their entireties with a strong resemblance sufficient to justify the conclusion that there is at least* considerable donbt that the concurrent use of the marks, when applied to the substantially identical goods of the character here involved, would not be likely to result in confustion or mistake in the mind of the public. [Italics not quoted.]

As we understand the Commissioner's decision, he was of opinion that the suffix "lith" was the dominant feature of each of the involved marks, and that, therefore, considering the marks in their entireties they are confusingly similar.

We are in agreement with the statement contained in the decision of the Examiner of Interferences that the suffix "lith" in the trade-marks of the parties is defined by the lexicographers as an abbreviation of the term "lithography." See Funk & Wagnalls New Standard Dictionary, 1931 and 1938, and Webster's New International Dictionary, 1932.

[1] The suffix "lith," as used in the marks of the parties, being descriptive of the use to which the goods of the parties are put, is descriptive of the character and quality of such goods. See *In re Hair Net Packers, Inc.*, 28 C. C. P. A. (Patents) 715, 115 F.(2d) 254, 524 O. G. 265; *In re General Permanent Wave Corporation, etc.*, 28 C. C. P. A. (Patents) 1099, 118 F.(2d) 1020, 530 O. G. 13; *The Hygienic Products Co.* v. *Huntington Laboratories, Inc.* (patent appeal No. 4,794), decided December 7, 1943.

[2][3] It is obvious from what has been said that appellee is not entitled to the exclusive use of the suffix "lith" in a trade-mark for use on a developer for photomechanical reproduction. Accordingly, if the term "Graph-O" in appellant's mark differs sufficiently from the prefix "Koda" in appellee's mark, so that, when considered in their entireties, the marks of the parties are not confusingly similar, appellant is entitled to the registration of its trade-marks. See *Yeasties Products, Inc.*, v. *General Mills, Inc.*, 22 C. C. P. A. (Patents) 1215, 77 F.(2d) 523, 460 O. G. 499; *Frankfort Distilleries, Inc.*, v. *Kasko Distillers Products Corporation*, 27 C. C. P. A. (Patents) 1189, 111 F.(2d) 481, 520 O. G. 535.

It appears from the record that the goods of the parties are used by those possessing technical skill in the lithographic art; that they are sold to a discriminating class of purchasers; and that they are not, and are not likely to be, sold either to amateur photographers or to the general public.

It is apparent that, with the exception of the suffix "lith," the marks of the parties differ greatly both in appearance and in sound. We are of opinion, therefore, that, considering the marks in their entireties, their concurrent use on the goods of the parties is not likely to cause confusion or mistake in the mind of the public or to deceive purchasers, and that appellant is entitled to the registration of each of its marks.

For the reasons stated, the decision of the Commissioner is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,649,760, M. Vierengel, Envelope machine, appeal filed Mar. 8, 1944, C. C. A., 2d Cir., Doc. —, *Wolf Bros.* v. *Equitable Paper Bag Co.*

1,708,665, J. S. Donnellan, False teeth, plates, molds and method of making, filed Mar. 10, 1944, D. C., S. D. Calif. (Los Angeles), Doc. 3499–PH, *J. S. Donnellan et al.* v. *F. E. Campbell.*

1,730,769, S. Horwitz, Ladies' coat with removable lining, D. C., S. D. N. Y., Doc. 23/410, *M. Horwitz* v. *Siegel Bros. et al.* Stipulation of discontinuance (notice Mar. 2, 1944).

1,779,195, A. P. Steckel, Method and apparatus for rolling thin sheet-like material, D. C., N. D. Ohio, E. Div., Doc. E 4981, *United Engineering & Foundry Co.* v. *E. W. Bliss Co. et al.* Stipulation of counsel dismissing case without prejudice Mar. 2, 1944.

1,864,232, H. Cocks, Ships' hatch cover, C. C. A., 2d Cir., Doc. —, *A. L. Smith Iron Co.* v. *S. Dickson.* Judgment reversed (notice Feb. 29, 1944).

1,917,262. (See Re. 21,956.)

1,932,731, B. L. Hathorne, Refrigerating apparatus; Re. 20,693 (of 2,025,290), J. M. Kisselle, Sharp freezing container, D. C., E. D. Mich., S. Div., Doc. 2420, *Copeman Laboratories Co.* v. *Bowen Products Corp.* Decree for plaintiff Mar. 9, 1944.

1,961,242, J. J. Osplack, Angle tangent to radius dresser, filed Mar. 6, 1944, D. C., E. D. Mich., S. Div., Doc. 4119, *Vinco Corp.* v. *Ceco Gauge & Tool Co., Inc., et al.*

1,962,264, H. Veit, Hair cutting and thinning shears, D. C. Mass. (Boston), Doc. 1069, *Jetter & Scheerer Products, Inc., et al.* v. *T. B. Massaro Co.* Dismissed for lack of prosecution Jan. 3, 1944.

2,025,290. (See 1,932,731.)

2,095,535, M. G. Swenson, Artificial tooth, filed Mar. 8, 1944, D. C. Minn. (Minneapolis), Doc. 1093, *M. G. Swenson* v. *H. P. Boos Dental Laboratories.*

2,107,347, N. & M. Sloane, Reversible handbag cover, filed Mar. 3, 1944, D. C., S. D. N. Y., Doc. 24/385, *Sloane Bros.* v. *W. Reznick.*

2,108,538. (See Re. 20,827.)

2,114,621, R. M. Bergstein, Mechanism for forming containers; 2,114,625, same, Method of forming containers; 2,170,364, same, Packaging structure, D. C., E. D. Pa., Doc. 705, *R. M. Bergstein et al.* v. *Thos. M. Royal & Co. Inc.* Dismissed without prejudice Mar. 9, 1944.

2,114,625. (See 2,114,621.)

2,134,194. (See Re. 20,827.)

2,170,364. (See 2,114,621.)

2,177,627, R. G. Drew, Adhesive sheet, filed Feb. 16, 1944, D. C., N. D. Ill., E. Div., Doc. 44c202, *Minnesota Mining & Mfg. Co.* v. *International Plastic Corp. et al.*

2,185,359, N. S. Swanson, Coin purse, D. C., S. D. N. Y., Doc. 16/390, *Swanson Mfg. Co. et al.* v. *Feinberg-Henry Mfg. Co., Inc., et al.* Consent judgment as to Hoffritz Fifth Avenue, Inc., Hoffritz Broadway, Inc., E. J. Hoffritz, Inc., and E. J. Hoffritz May 8, 1943. "Judgment—dismissing patent infringement" Feb. 28, 1944.

2,202,347, T. M. Knox, Feather quilling machine, filed Feb. 4, 1944, D. C., N. D. Ill., E. Div., Doc. 44c149, *T. M. Knox* v. *Sanitary Feather Co.*

2,277,431, R. L. Fitch, Magnetic inspection apparatus, filed Mar. 13, 1944, D. C., S. D. Calif., C. Div., Doc. 3506-PH, *R. L. Fitch* v. *Western Industrial Engineering Co.*

2,296,287, G. W. Leyde, Electric water light, D. C., S. D. N. Y., Doc. 22/228, *G. W. Leyde* v. *Sculler Safety Corp.* Order of discontinuance Feb. 28, 1944.

2,303,220, 2,309,135, L. J. Morins, Hair net, filed Mar. 15, 1944, D. C., S. D. N. Y., Doc. 24/452, *French Veiling Corp.* v. *The Glemby Co., Inc.*

2,309,135. (See 2,303,220.)

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Re. 21,956, P. E. Hawkinson, Method of retreading tire casings; 1,917,262, same, Apparatus for retreading tire casings, D. C., E. D. Ill. (East St. Louis), Doc. 815, *P. E. Hawkinson Co.* v. *Heaton Tire & Auto Supply.* Consent decree dismissing cause Mar. 13, 1944.

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Des. 137,166, W. B. Crane, Compact, filed Mar. 7, 1944, D. C., S. D. Calif., C. Div., Doc. 3491-RJ, *Allied Plastics Co.* v. *N. Hulsey et al.*

Changes in Classification

Order No. 3,806, March 28, 1944 directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

ESTABLISH CLASS

222—DISPENSING (Division 35)

Note.—Copies of the subclass titles and of the definitions of this class may be seen in the Search Room and in the Classification Division pending publication.

IN THE MANUAL OF CLASSIFICATION:

ABOLISH CLASS

221—DISPENSING (Division 35)

ESTABLISH SUBCLASSES

In *class 210, Liquid Separation or Purification* (Division 49)

Filters
Strainers
Detachable
163.5 Drainers
205.5 Adjustable cover drainers

In *class 220, Metallic Receptacles* (Division 40)

Closures
Pivoted
30.5 Closure axially rotary
30.6 Spring form or spring biased pivot
38.5 With single cord, strand or rigid wire retaining means

In *class 226, Filling and Closing Portable Receptacles* (Division 35)

With fluent materials
Special types
65.5 Specially related filling device and receptacle

CHANGES IN "CLASSES ARRANGED BY EXAMINING DIVISIONS"

Under Division 35, change "221 Dispensing" to read:

222—DISPENSING

CHANGES IN "CLASSES ALPHABETICALLY ARRANGED"

After "165, Designs" change "221, Dispensing" to read:

222—DISPENSING

CHANGES IN "CLASSES NUMERICALLY ARRANGED"

After "220, Metallic Receptacles" change "221, Dispensing" to read:

222—DISPENSING

MISCELLANEOUS CHANGES

In *class 211, Supports, Racks*, subclass "58 Rotatable" should be indented under subclass "50 Card or sheet" and coordinate with subclass "57 With impaling means".

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED CLASS

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
221	All	222	All
		210	163.5
			205.5
		220	30.5
			30.6
			38.5
		226	65.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED CLASS AND SUBCLASSES

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
222	All	221	All
210	163.5	221	Various
	205.5		
220	30.5, 30.6, 38.5	221	Various
226	65.5	221	Various

IN THE DEFINITIONS:

1, Nailing and Stapling (Division 11)

in the main class definition, add:
(7) Note.—See class 222, DISPENSING, and see particularly sec. 5 of the main class definition, for search notes for article dispensing in general.

4, Baths, Closets, Sinks, and Spittoons (Division 1)

in the main class definition, under note 2, add: *222, Dispensing, and see the notes thereto for dispensing means in general.*;
in subclass 10, in the note, cancel the reference to class 221, Dispensing, and substitute:
222—DISPENSING, particularly subclass 64+, for dispensers with material level control means, and 426+, for trap chambers with cut-offs.;
in subclass 18, in the note, cancel the reference to class 221, Dispensing;
in subclass 166, in note 2, cancel the reference to class 221, Dispensing, and after note 3, add:
Search Class—
103—PUMPS, for soap pumps.
222—DISPENSING, appropriate subclasses, for dispensers for soap in fluent form.;
in subclass 189, cancel the reference to class 221, Dispensing, and substitute: *class 222, Dispensing, subclass 118, for receptacle drainers*;
in subclass 249, in note 2, cancel the reference to class 221, Dispensing, and substitute:
222—DISPENSING, subclass 59+, for cut-offs operated by rate of flow responsive mechanism.

9, Boats and Buoys (Division 61)

in subclass 19, note 2, cancel the reference to class 221, Dispensing, and substitute:
Class 222, DISPENSING, subclass 3+, particularly subclass 5, for receptacles for containing and releasing compressed gases.

15, Brushing, Scrubbing, and General Cleaning (Division 27)

in subclass 122, in note 4, cancel the reference to class 221, Dispensing, and substitute: *222, Dispensing, appropriate subclasses, for dispensers, per se.*;
in subclass 130.1, note 5, and note 8, change "221" to *222.*;

in subclass 130.5, note 2, cancel the reference to class 221, Dispensing, and substitute: *class 222, Dispensing, subclasses 51+, 353, 437, 457, 479.*;
in subclass 135, in the note, cancel the reference to class 221, Dispensing, and substitute:
class 222, DISPENSING, subclass 92+, for collapsible wall type dispensers not claimed in combination with an applicator.;
in subclass 136, add:
Search Class—
222—DISPENSING, subclass 206+, for resilient wall dispensers not claimed in combination with an applicator.;
in subclass 137, add:
Search Class—
222—DISPENSING, subclass 386+, for dispensing of general types with follower.;
in subclass 139, add:
Search Class—
222—DISPENSING, subclasses 322 and 501, for dispensing discharge assistants and valves having an operating member projecting through the outlet; subclass 320+, for interconnected movable nozzle and force element; and subclass 507, for annular, outlet surrounding actuators for outlet elements all ordinarily operated by contact with a receiver, which may be disclosed as a work surface, an applicator or the hand of the operator.

16, Miscellaneous Hardware (Division 20)

in subclass 110, under note 2, insert: *222, Dispensing, subclasses 323+, 441, 465+*;
in subclass 110.5, under "Search Classes", add:
222—DISPENSING, subclass 191.

18, Plastics (Division 15)

in subclass 12, under "(8) Search Classes", cancel the reference to class 221, Dispensing, and substitute:
222—DISPENSING, for extruding dispensers not specially designed to shape the material dispensed, particularly subclass 386+, for the follower type.

20, Wooden Buildings (Division 33)

in subclass 27, note 8, cancel the reference to class 221, Dispensing, and substitute: *222, Dispensing.*

23, Chemistry (Division 59)

in subclass 292, note 4, cancel the reference to class 221, Dispensing, and substitute: *class 222, Dispensing, for dispensers, per se, including those for dispensing measured charges.*

30, Cutlery (Division 53)

in subclass 2, under "(6) Search Classes", change "221" to *222* and change "subclass 23" to *subclasses 5 and 80+*;
in subclass 123, note 5, cancel the reference to class 221, Dispensing, and substitute:
class 222, DISPENSING, subclasses 5 and 80+, for dispensing means with cutting or punching means for material or containers.

31, Dairy (Division 2)

cancel the main class definition and the notes, and substitute:

CLASS 31.—DAIRY

DEFINITIONS

Class

This is the parent class for apparatus and processes relating to the production of dairy products and includes art that has not been provided for in other classes. It includes butter and cheese cutters and molds, butter-workers, milk pails especially constructed for use in milking, milking stools, milking machines, and milk-treating apparatus not otherwise provided for, and cheese-making apparatus.

Search Class—
23—CHEMISTRY, for inorganic compounds useful for treating milk.
30—CUTLERY, subclass 115+, for hand tools for cutting plastic material generally. See note 17 to the definition of class 30.
45—FURNITURE, subclass 71, for provision safes.
62—REFRIGERATION, for refrigerating processes and apparatus, including those for cooling butter and milk and for congealing ice cream.
98—VENTILATION, subclass 51, for ventilated provision safes.
99—FOODS AND BEVERAGES, subclasses 54+, for milk modification, processes and products, 115+, for cheese, processes and products, 119+, for butter, processes and products, 122+, for butter substitutes, processes and products; 151, 183+, 200+, and 212+, for preservation of milk; 162 and 178, for preservation of cheese; 164 and 179, for preservation of butter; 243, for cheese apparatus, 244, for apparatus relating to butter and butter substitutes; 249+, for pasteurizing of milk, 264+, for emulsifying milk.
107—BREAD, PASTRY, AND CONFECTION MAKING, subclass 48, for ice cream dishers.
137—WATER DISTRIBUTION, subclass 21, for holding tanks for sterilized milk.
141—WASHING APPARATUS, subclass 7, for bottle and can washers.
159—CONCENTRATING EVAPORATORS.
210—LIQUID SEPARATION OR PURIFICATION, subclasses 51.5, for decanting cream separators, 62+, for filters, and 149+, for strainers, especially 155+, for detachable strainers.
215—BOTTLES AND JARS.
220—METALLIC RECEPTACLES, generally for milk cans and pails of general construction.
222—DISPENSING.
225—DISPENSING BEVERAGES, subclass 40, for cooler type beverage dispensers.
232—DEPOSIT AND COLLECTION RECEPTACLES, subclasses 41–43, for milk safes and receptacles.
233—CENTRIFUGAL-BOWL SEPARATORS.
248—SUPPORTS, subclass 94, for supports for strainers and subclass 128+, and 146+, for milk pail stands.
252—COMPOSITIONS, for compositions useful for treating milk.
257—HEAT EXCHANGE, generally, for apparatus applicable for heating or cooling.
259—AGITATING, generally, for churns of general application.
260—CHEMISTRY, CARBON COMPOUNDS, for carbon compounds useful for treating milk.
261—GAS AND LIQUID CONTACT APPARATUS, generally, for general liquid and gas contact devices.
312—SUPPORTS, CABINET STRUCTURES, subclass 31.01+, for evaporative cooler type cabinets, subclass 101, for outdoor type milk safes and receptacles.

34, Drying and Gas or Vapor Contact with Solids (Division 49)

in the main class definition, under note 4, add:
222—DISPENSING, and see the reference to class 34, under sec. 24 of the main class definition for the line.;
in subclass 88, under note 10, cancel the reference to class 221, Dispensing, and substitute:
(10) Note.—Class 222, DISPENSING, and see sec. 5 of the main class definition for the distribution of art on article dispensing, per se, subclass 9+ being the generic place for such subject matter.;
in subclass 242, cancel note 8.

40, Card, Picture, and Sign Exhibiting (Division 35)

in subclass 127.1, add:
Search Class—
222—DISPENSING, subclass 3+, for gas dispensers not specialized to skywriting, and see sec. 4 of the main class definition of class 222, for gas dispensing in other classes.

42, Firearms (Division 22)

in the main class definition, under "Search Class", add:
222—DISPENSING, subclass 79, for dispensers simulating firearms, e. g., water pistols, and subclass 192, for dispensers combined with firearms where only so much of the firearm as is necessary to support or operate the dispenser is claimed. Also, see sec. 5, (II) of the main class definition of class 222, for article dispensers in other classes related to the magazines for firearms.

43, Fishing, Trapping, and Vermin Destroying (Division 2)

in subclass 145, in note 1, cancel the reference to class 221, Dispensing, and under "(2) Search Class", add:
222—DISPENSING, and see sec. 12 and sec. 17 of the main class definition, and the notes thereto for related art.;
in subclass 146, in the note, cancel the reference to class 221, Dispensing, and substitute: *222, Dispensing, subclasses 92+ and 206+*;
in subclass 147, note 1, change "221" to *222* and "47+" to *193+*.

46, Amusement Devices, Toys (Division 57)

in the main class definition, in note 6, change "221" to *222*, and change "31.5" to *79*.

62, Refrigeration (Division 44)

in the main class definition, under "(3) Search Classes", change "221" to *222*;

in subclass 1, add:

Search Class—

222—DISPENSING, subclass 3+, for gas or vapor dispensers not disclosed solely for liquefied gases.

67, Illuminating Burners (Division 30)

in subclass 53, add:

Search Class—

222—DISPENSING, subclasses 113 and 187, for dispenser-burner combinations and miscellaneous wick feed dispensers.;

in subclass 55, cancel "Search Class: 221, Dispensing, subclass 55";

in subclass 84, under "Search Classes" cancel the reference to class 221, Dispensing, and substitute: *222, Dispensing, subclass 108+, for dispensers with drip catchers.*;

in subclass 85, in the note, cancel the reference to class 221, Dispensing, and add: *220, Metallic Receptacles, subclasses 24+ and 86.*;

in subclass 86, in note 1, cancel the reference to class 221, Dispensing, and add:

220—METALLIC RECEPTACLES, appropriate subclasses, or in class 222, DISPENSING, subclass 478+ if combined with dispensing outlets.;

cancel "(3) Search Class" and the reference thereunder.

68, Textiles, Fluid Treating Apparatus (Divisions 2, 27)

in subclass 12, note 3, cancel the reference to class 221, Dispensing, and substitute: *222, Dispensing, subclasses 57 and 129+*;

in subclass 17, note 2, change "221" to *222*.

70, Locks (Division 20)

in the main class definition, add:

(4) Note.—See class 222, DISPENSING, subclass 153, for locks combined with dispensing devices.

74, Machine Elements and Mechanisms (Divisions 12, 45)

in subclass 424.8, under "(2) Search Class", change "221" to *222*, and change "47.3" to *390*.

81, Tools (Division 29)

in subclass 2, add:

Search Class—

222—DISPENSING, for dispensers, per se.;

in subclass 15.6, note 3, change "221" to *222*.

92, Paper Making and Fiber Liberation (Division 56)

in subclass 46, under "Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING.

98, Ventilation (Division 49)

in subclass 52, cancel note 2, and substitute:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, see particularly subclass 201+.

130—THRESHING, subclasses 3 and 14.

99, Foods and Beverages (Divisions 1, 63)

in the main class definition, in note 18, change "221" to *222*;

in subclass 238.2, under "Search Class", change "221" to *222*;

in subclass 289, under "Search Class", change "221" to *222*.

102, Ammunition and Explosive Devices (Division 30)

in the main class definition, add:

(8.5) Note.—See class 169, FIRE-EXTINGUISHERS, subclass 28, for explosive fire-extinguishers.;

in subclass 39, note 2, change "221, Dispensing, subclass 73.5" to read: *222*, Dispensing, subclass *3*+.

103, Pumps (Division 9)

in the main class definition, cancel notes 5 and 6, and substitute:

(5) Note.—Measuring pumps. Pumps having means to vary the pump capacity with or without an indicator are in this class. Pumps with selectively preset means to control the quantity discharged, or with totalizing or recording means or with measuring means in addition to pump structure are in class 222, DISPENSING, subclasses 14+, 23+, 71+, except that meters classifiable, per se, in class 73, MEASURING AND TESTING, are placed there even if in combination with a pump claimed broadly.

(6) Note.—Dispensing. Class 222, DISPENSING, takes the combination of pump and supply container, including closures for supply containers, where the structural features of the container or its closure, or the relationship of the pump or its controls thereto, is claimed, the combination of pump and dispensing outlet, and the combination of pump and means in addition to operating means for the pump to prevent the start of the intake before the pump has reached the end of its discharge operation, and see the main class definition of class 222, sec. 9, for a complete statement of the line.

in subclass 4, add:

Search Class—

222—DISPENSING, subclass 255, for plural pumps with dispensing features.;

in subclass 6, under "Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclasses 57, 135+, and 145.;

in subclass 22, cancel note 4, and substitute:

(4) Note.—Devices adapted to be selectively preset to stop the operation of the pump after a predetermined quantity has been discharged are in class 222, DISPENSING, subclass 14+.;

in subclass 37, number the existing note (*1*) and add:

Search Class—

222—DISPENSING, subclasses 17+, 250, and 282+, for discharge volume varying means of various types adapted for use with pumps and analogous devices.;

in subclass 38, note 2, cancel the second sentence, and under "(3) Search Class", add:

222—DISPENSING, for devices of this type combined with dispensing features being in subclass 41+ if claimed with an indicator, otherwise in subclasses 250 and 309.;

in subclass 41, cancel the note and add:

Search Class—

222—DISPENSING, subclasses 72, 73 and 318, for by-passes for pumps and/or meters in dispensing combinations.

299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclasses 42 and 46.;

in subclass 52, under "(2) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclasses 258, 261–263, 334 and 389, for pumps, followers, and other impellers operated directly by fluid pressure or by fluid pressure motors.;

in subclass 168, add:

Search Class—

222—DISPENSING, subclass 253, for similar structures in dispensing combinations.;

in subclass 231.5, under "Search Class", add:

222—DISPENSING, subclass 193+, for dispensing apparatus in which material to be dispensed is entrained by a stream of gas not necessarily a vapor.

105, Railway Rolling-Stock (Division 34)

in subclass 239, add:

Search Class—

214—MATERIAL OR ARTICLE HANDLING, and see the notes thereto for vehicle loading and unloading in general.

222—DISPENSING, and see the notes thereto for dispensing in general.;

in subclass 280, cancel note 4.

107, Bread, Pastry, and Confection Making (Division 20)

at the end of the main class definition, in the last paragraph, add:

Class 222, DISPENSING, has miscellaneous dispensers not specialized to class 107 purposes.;

in subclass 52, cancel "(2) Search Class" and the reference thereunder.

111, Planting (Division 1)

in the main class definition, note 2, change "221" to *222*.

116, Signals and Indicators (Division 34)

in the main class definition, paragraph 5, after the reference to class 215, Bottles and Jars, insert:

222—DISPENSING, subclasses 14+, 23+ and 154+.

in subclass 117, under "(2) Search Class", add:

222—DISPENSING, subclasses 40 and 159.;

in subclass 118, add:

Search Class—

222—DISPENSING, subclasses 51 and 155+.;

in subclass 124, add:

Search Class—

222—DISPENSING, subclass 41+.

119, Animal Husbandry (Division 2)

in the main class definition, under "Search Classes", add:

222—DISPENSING, for dispensers not specialized to animal husbandry purposes.;

in subclass 53, under "Search Classes", change "221" to *222*.;

in subclass 72.5, add:

Search Class—

222—DISPENSING, subclass 420+, for drop forming dispensers and see the notes thereto.;

in subclass 77, under "(2) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclasses 353, 437, 457, and 479.

120, Stationery (Division 53)

in subclass 43, under "Search Class", add:

234—RECORDERS, subclass 73, for recording marker structure combined with fountain pens and for fountain pen recorders per se which are not the unitary type provided for in class 120, e. g., those in which the ink reservoir and pen are independently supported in spaced relation and are connected by a duct.

124, Mechanical Guns and Projectors (Division 62)

in the main class definition, in the note, under "(1) Projectors", in the reference to class 221, Dispensing, change the numerals "221" to *222* and "31.5" to *79*;

in subclass 1, note 1, change "221" to *222* and "31.5" to *79*;

in subclass 45, cancel note 4, and substitute:

(4) Note.—For article dispensing broadly, see class 222, DISPENSING, subclass 9+ and the search classes listed in the main class definition, sec. 5.;

and in subclass 49, cancel note 2;

and in subclass 50, cancel note 2.

126, Stoves and Furnaces (Division 19)

in subclass 349, under "Search Class", change "221, Dispensing, subclass 154" to *222, Dispensing, subclass 164+*.

128, Surgery (Division 55)

in subclass 213, cancel the note and add:

Search Class—

30—CUTLERY, subclasses 141 and 326 for spoons.

222—DISPENSING, subclass 417+ and see the notes thereto for dispensing devices removable from the supply container for discharge and subclass 420+ and see the notes thereto for drop formers.;

in subclass 214, add:

Search Class—

222—DISPENSING, subclass 80+, for dispensers utilizing cutting or punching means to form dispensing openings in supply containers and for other purposes.;

in subclass 225, add:

Search Class—

222—DISPENSING, subclass 394+, for dispensers in which the material is ejected by gas or liquid pressure.;

in subclass 230, cancel the note and add:

Search Class—

103—PUMPS, for pumps per se.

222—DISPENSING, subclass 92+, for collapsible wall type dispensers, subclass 206+, for resilient wall dispensers, subclass 251+, for dispensers with pumps or other impellers particularly subclass 386+, for followers.;

in subclass 231, add:

Search Class—

222—DISPENSING, subclass 206+, particularly subclass 208.

131, Tobacco (Division 2)

in subclass 3, note 4, change "221" to *222*;

in subclass 20, note 6, change "221" to *222*;

in subclass 39, cancel the note and add:

Search Class—

222—DISPENSING, for plural feeders per se, particularly subclass 129+.;

in subclass 44, cancel the note and add:

Search Class—

222—DISPENSING, appropriate subclasses, for hoppers or other supply containers with means for discharging the contents, and see the search classes listed in the main class definition.;

in subclass 74, cancel the note and add:

Search Class—

222—DISPENSING, subclass 9+, for article dispensing generally, and see the search classes listed in sec. 5 of the main class definition.;

in subclass 108, note 2, change "221" to *222* and "118" to *251*.

152, Resilient Tires and Wheels (Division 45)

in the main class definition, note 11, cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclass 3+ and particularly subclasses 7 and 8, for tire inflaters.;

and in subclass 415, add:

(2.5) Note.—For gas dispensers for inflating tires, see class 222, Dispensing, subclass 7+.

154, Laminated Fabrics and Analogous Manufactures (Divisions 20, 55)

in subclass 2.21, note 18, change "221" to *222* and "67" to *117*.

160, Closures, Partitions and Panels, Flexible and Portable (Division 53)

in the main class definition, note 5, change "221" to *222*;

in subclass 44, add:

Search Class—

222—DISPENSING, for liquid dispensing containers per se.

164, Cutting and Punching Sheets and Bars (Division 57)

in subclass 119, under "(3) Search Class", change "221" to *222* and "23" to *80*+.

169, Fire Extinguishers (Division 46)

in subclass 4, under "Search Classes", add:

222—DISPENSING, subclasses 53, 54 and 152, for fire prevention and extinguishing means combined with oil dispensers.;

in subclass 31, under "Search Class", add:

222—DISPENSING, subclass 394+, for dispensers using fluid pressure to cause discharge.;

and in subclass 33, under "(2) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclass 372+, for dispensing containers with pumps, subclass 386+, for follower type dispensers.

184, Lubrication (Division 45)

in subclass 1.5, in the note, change "221" to *222*;

in the unnumbered definition following subclass 25, under "Search Class" change the reference to class 221, Dispensing, to read: *222, Dispensing, particularly subclass 121+, for dispensers having means to couple to other things*;

in subclass 26, under "(2) Search Classes", add:

222—DISPENSING, subclass 251+, particularly, subclasses 255, 309, 333+ and 372+.;

in subclass 27, cancel "(2) Search Classes" and the reference thereunder;

in subclass 39, under "Search Class", add:

222—DISPENSING, subclass 389.;

in subclass 40, cancel "Search Class", and the reference thereunder;

in subclass 80, under "(2) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclass 482+.;

in subclass 83, under "Search Class", change "221" to *222* and "95" to *344+, 425+, 476 and 477*;

in subclass 88, under "(2) Search Class", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclasses 544+ and see the notes thereto;

in subclass 103, add under "Search Classes":
222—DISPENSING, subclass 64+.;
in subclass 105, under "(1) Search Class", cancel the reference to class 221 Dispensing, and substitute:
222—DISPENSING, appropriate subclasses, particularly subclasses 117+ and 128.;
in subclass 106, add:
Search Class—
222—DISPENSING, subclass 108+.

191, Electricity—Transmission to Vehicles (Division 34)

in the main class definition, add:
(5) Note.—Class 314, ELECTRIC LAMP AND DISCHARGE DEVICES, CONSUMABLE ELECTRODES, subclass 129, for consumable electrode discharge devices (arc lamps, et cetera) provided with means to transfer the electric current from a lead wire to a moving electrode.

193, Conveyers—Chutes, Skids, Guides, and Ways (Division 4)

in the main class definition, note 4, cancel the reference to class 221, Dispensing, and substitute:
class 222, DISPENSING, subclasses 526+ and 566+, and see the notes thereto for dispenser outlets.;
in subclass 9, in the note, change "221" to 222;
and add: *especially subclasses 526+ and 566+*;
in subclass 17, add:
Search Class—
222—DISPENSING, subclass 533+.;
and in subclass 21, cancel note 2, and substitute:
Search Class—
222—DISPENSING, subclass 536.

194, Check—Controlled Apparatus (Division 41)

in the main class definition, number the first two paragraphs as *I* and *II*, cancel the word "note" that has no preceding number and substitute *III*, and add:
IV. In applications disclosing parts, or the whole, of an organized machine or system, and coin controlled means for governing the operation thereof, the mere inclusion of "coin-controlled means" as an element in claims setting forth the specific structure of the machine or system, but in which no specific feature of the coin-controlled means is claimed, shall not operate to take such applications out of the class in which the machine or system is classifiable (Order No. 2,174).

198, Conveyers—Power-Driven (Division 4)

in subclass 89, note 2, cancel the note and substitute:
(2) Note.—See class 222, DISPENSING, subclasses 55–58 and 77, for dispensing with weighing, and subclasses 216+, 293+, 305+ and 344+ for dispensers with measuring conveyers, i. e., conveyer type trap chambers.;
in subclass 53, cancel note 6 and substitute:
(6) Note.—See class 222, DISPENSING, for the combination of a hopper and conveyer where the purpose of the conveyer is merely to discharge material from the hopper. Such dispensers are in class 111, PLANTING, if claimed in combination with ground working means, and in class 146, VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, if a cutter or comminutor is claimed. The conveyer subcombination is in class 198, even though disclosed for dispensing only.;
in subclass 178, note 5, change "221" to 222 and "127" to *13*;
in subclass 210, note 2, change "221" to 222 and "130" to *12*;
in subclass 226, note 3, change "221" to 222.

206, Special Receptacles and Packages (Division 27)

in subclass 0.5, under "Search Classes", add:
210—LIQUID SEPARATION OR PURIFICATION, particularly subclass 24, for receptacles which permit the infusion of water treating agents therein.;
in subclass 0.6, note 6, change "221" to 222 and "73.5" to *3*+;
and in subclass 56, add:
Search Class—
222—DISPENSING.

209, Classifying, Separating, and Assorting Solids (Division 25)

in the main class definition, add:
(12) Note.—Similar structures for mere dispensing, and not having the function of classifying, separating, or assorting solids are found in class 222, DISPENSING, especially subclasses 169+, 189, and 565.;
in subclass 72, under "(2) Search Classes", add:
198—CONVEYERS—POWER-DRIVEN, subclass 33.
222—DISPENSING, subclass 10.;
in subclass 73, under "(2) Search Classes", change "221" to 222;
in subclass 244, in the note, change "221" to 222;
in subclass 245, under "(2) Search Classes", change "221" to 222;
in subclass 246, in the note, change "221" to 222.

210, Liquid Separation or Purification (Division 49)

in subclass 17, under "(2) Search Class", change "221" to 222 and "96" to 57;
in subclass 29, add:
Search Class—
222—DISPENSING.;
in subclass 42, add:
Search Class—
222—DISPENSING, subclass 356+ and see the notes thereto.;
in subclass 149, under "(3) Search Classes", add:
222—DISPENSING, subclass 189, for dispensers having strainers.;
in subclass 155, after "into which" insert: *or from which*;
establish the following subclass definitions:
163.5. Strainers under subclass 155 associated with the outlet of a receptacle for the purpose of holding back or retaining solid material while liquid escapes.
Search this class, subclass—
162 and 163—for draining attachments for tea or coffee pots and drinking cups.
205.5. Devices under the class definition having a receptacle and a cover mounted thereon for limited opening movement so as to retain articles while liquid is poured off.

214, Material or Article Handling (Division 4)

in the main class definition, add:
(5.5) Note.—Vehicle Loading and Unloading: This class has numerous subclasses devoted to the loading and unloading of vehicles of various types, see, for example, subclasses 12+, 15, 38+, 65+. For vehicle charging and discharging in other classes:
Search Class—
20—WOODEN BUILDINGS, subclasses indented under "Doors, Car",
37—EXCAVATING, subclass 4+, for self loading vehicles.
46—AMUSEMENT DEVICES, TOYS, subclass 214, for dumping wheeled toys.
56—HARVESTERS.
104—RAILWAYS, subclass 18+, for load transfer to or from moving trains.
105—RAILWAY ROLLING STOCK, subclass 238+, particularly subclass 239+, for dumping car bodies.
114—SHIPS, subclass 27+, for dumping and unloading scows, and subclass 183+, for bilge discharge.
222—DISPENSING, subclass 176+, for vehicular types.
244—AERONAUTICS, particularly subclasses 136, 137 and 140+.
256—RAILWAY MAIL DELIVERY.
275—SCATTERING—UNLOADERS.
291—TRACK SANDERS.
296—LAND VEHICLES, BODIES AND TOPS, subclasses 1+, for bodies, and 50+, for end gates.
298—LAND VEHICLES, DUMPING.
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, particularly subclasses 30–36, for vehicular types.;
also in the main class definition under "(16) Search Classes", change "221" to 222;
in subclass 1.1, under "(2) Search Classes", add:
222—DISPENSING, subclass 112, for receptacle drainers not involving inverting means.;
in subclass 6, under "Search Class", add:
107—BREAD, PASTRY, AND CONFECTION MAKING, subclass 45.;
in subclass 10.5, under "(3) Search Classes", add:
222—DISPENSING, subclass 144.;
in subclass 17, cancel notes 2 and 3, and substitute:
Search Class—
17—BUTCHERING, subclasses 13+ and 15.
20—WOODEN BUILDINGS, subclasses 1.42+.

68—TEXTILES, FLUID TREATING APPARATUS, subclass 157+.
91—COATING, subclasses containing the term "immersion" in the title.
99—FOODS AND BEVERAGES, subclass 360+.
141—WASHING APPARATUS, subclass 7.
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 195 and 196.
204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclass 198+, for combinations of carriers and conveyers with electrolytic tanks, bins, and the like specialised to carry out electrolytic processes.
222—DISPENSING, appropriate subclasses.
302—CONVEYERS—FLUID CURRENT, for combinations of tanks with pneumatic conveyers.;
in subclass 18, under "(2) Search Classes", in the reference to class 110, Furnaces, before the period (.), add: *and subclass 165+, for ash discharging*; and add in numerical order:
13—ELECTRIC FURNACES, subclass 33, for charging devices.
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for such apparatus having charging and discharging means.
122—LIQUID HEATERS AND VAPORIZERS, appropriate subclasses, for feeding fuel to such apparatus.
126—STOVES AND FURNACES, subclass 223, for trash burning, cooking stoves with feeding attachments, subclasses 7, 10, 68, 73, 107 and 124, for various types of stoves having fuel feeding magazines, and subclass 242+, for ash discharging.

215, Bottles and Jars (Division 58)

in the main class definition, cancel notes 1 and 2 and substitute:
Search Class—
222—DISPENSING, for dispensing containers in general.
312—SUPPORTS, CABINET STRUCTURES, subclass 31+, for bottles and jars combined with gas or vapor treatment of contained material.;
in subclass 4, add:
Search Class—
222—DISPENSING, subclass 394+.;
in subclass 6, under "Search Classes", add:
222—DISPENSING, subclass 129+.;
in subclass 7, add:
Search Class—
222—DISPENSING, subclass 23+.;
in subclass 10, add:
Search Class—
222—DISPENSING, subclasses 114+, 130+, and 143.;
in subclass 12, under "Search Class", add:
222—DISPENSING, subclass 131.;
in subclass 14, add:
Search Class—
222—DISPENSING, subclass 147.;
in subclass 31, add:
Search Class—
222—DISPENSING, subclass 566 and the classes and subclasses set forth in the notes thereto.;
in subclass 43, under "Search Class", add:
222—DISPENSING, subclass 549+.;
in subclass 47, under "Search Class", add:
222—DISPENSING, subclass 563.;
in subclass 49, under "Search Classes", add:
222—DISPENSING, subclass 552.;
in subclass 73, cancel the note and substitute:
Search Class—
222—DISPENSING, subclass 544+ and the classes and subclasses set forth in the notes thereto.;
in subclass 79, under "Search Class", cancel the reference and substitute:
222—DISPENSING, subclass 478+.;
in subclass 99, add:
Search Class—
222—DISPENSING, subclasses 538+, 543 and 544+, and see the notes thereto.

220, Metallic Receptacles (Division 40)

in the main class definition, under note 3, cancel the reference to class 221, Dispensing, and substitute:
222—DISPENSING, and see the notes to the class and subclass definitions for dispensing receptacles.;
in subclass 3, in the note, change "221, Dispensing, subclass 73.5" to *222, Dispensing, subclass 3*+;
in subclass 3.1, under "Search Classes", cancel the reference to class 221, Dispensing;
in subclass 3.4, under "Search Class", change "81" to *91*;
in subclass 9, cancel notes 4, 5 and 6, and substitute:
Search Class—
109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 84, for similar walls for safes and vaults.
154—LAMINATED FABRICS AND ANALOGOUS MANUFACTURES, subclass 43.5, for receptacles having puncture healing wall characteristics, no other receptacle features being claimed.
222—DISPENSING, subclasses 52, 131, 152, and 183, for double-walled and jacketed dispensers.;
in subclass 20, add:
Search Class—
222—DISPENSING, subclass 129+, for plural compartment dispensers.;
in subclass 24, in note 4, sec. III, Dispensing, change "221" to 222 and before the period (.), insert: , *and see the notes for the distribution of dispensing art*;
in subclass 27, cancel note 8, and add:
Search Class—
215—BOTTLES AND JARS, subclass 42.
222—DISPENSING, subclass 541.;
establish the following subclass definitions:
30.5. Closures under subclass 30, in which the closure element has a motion of rotation about a central axis and is also connected to the receptacle for a swinging motion.
Search Class—
222—DISPENSING, subclass 550, for dispensers having similar closure mounting means.
30.6. Closures under subclass 30.5, in which the connection for swinging motion is a spring biased pivot or is in the form of a spring.
Search Class—
222—DISPENSING, subclass 517, for dispensers with pivoted, biased outlet elements.
38.5. Closures under subclass 24, in which an otherwise separable closure is connected to the receptacle through the medium of a single cord, wire or other strand form connector. The connector may be stiff and pivotally or otherwise connected to the container.
(1) Note.—See class 222, DISPENSING, subclass 543, for similar connectors for removable outlet elements of dispensing receptacles.;
in subclass 45, cancel note 3, and add:
Search Class—
217—WOODEN RECEPTACLES, subclass 105.
222—DISPENSING, subclass 188.
285—PIPE JOINTS AND COUPLINGS, subclass 109.;
in subclass 46, cancel note 4, and add:
Search Class—
222—DISPENSING, subclass 542.
288—JOINT PACKINGS, for joint packings, per se.;
in subclass 51, in note 3, change "221, Dispensing, subclass 23" to *222, Dispensing, subclass 80*+;
in subclass 82, under "Search Class", add: *222, Dispensing, subclass 154*+.;
in subclass 86, cancel note 2, and substitute:
(2) Note.—See class 222, DISPENSING, subclass 478+, for dispensers having in addition to a dispensing outlet (as a nozzle, valved outlet, et cetera), an additional opening which may be a filling opening.;
in subclass 88, cancel note 3, and add:
Search Class—
169—FIRE EXTINGUISHERS, subclass 4, for fire extinguisher devices for oil tanks.
222—DISPENSING, subclasses 54, for dispensers with temperature responsive controls, 53 and 152, for dispensers with means for maintaining an inert atmosphere in or around the dispenser for fire prevention or other purposes and 189, for dispensers with flame arresters.;
in subclass 93, cancel note 2, and under "Search Class", add:
217—WOODEN RECEPTACLES, subclass 86.
222—DISPENSING, subclasses 256+ and 386+.;
in subclass 94, cancel notes 2 and 3 and add:
Search Class—
16—MISCELLANEOUS HARDWARE, subclass 110+, and see the notes thereto for handles in general.
222—DISPENSING, subclass 465+, and see the notes thereto for dispensers combined with handles for manipulating or handling the dispenser.
224—PACKAGE AND ARTICLE CARRIERS, for carriers capable of general application.;

in subclass 97, under "Search Class", add:

214—MATERIAL OR ARTICLE HANDLING, subclass 10.5.
222—DISPENSING, subclass 143.

136, Filling and Closing Portable Receptacles (Division 35)

in the main class definition, add:

(2.6) Note.—See class 222, DISPENSING, appropriate subclasses, for (*a*) devices that deliver articles and materials from a supply, there being no means for positioning a receptacle to receive the articles or materials, (*b*) and see subclass 117+, where the material delivery controlling means has characteristics of no utility except in connection with delivery into receptacles and the receptacles are not portable. Grease fittings are classified as not portable, even though disclosed on vehicles. The notes to the main class definition should be consulted for the distribution of dispensing art.;

in subclass 2, add:

Search Class—
222—DISPENSING, subclass 9+, for article dispensing, and see search classes listed in sec. 5 of the main class definition of class 222.;

in subclass 20, under "Search Class", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclass 3+, for gas dispensing and see search classes listed in sec. 4 of the main class definition of class 222.;

in subclass 22, add:

Search Class—
222—DISPENSING, subclass 118.;

in subclass 29, add:

Search Class—
222—DISPENSING, subclass 116, for a funnel associated with a dispensing device and requiring separation before use, and subclasses 460+, for funnel type outlets for dispensing receptacles.
232—DEPOSIT AND COLLECTION RECEPTACLES, subclass 43, for funnel fillers for milk receptacles.;

establish the following subclass definition:

65.5. Devices under subclass 19 in which the filling device has a material outlet and the receptacle to be filled has an inlet of matching designs for the purpose of insuring use of the intended filling device to fill the receptacle. The connection may be outlet carried means shaped to manipulate or unlock a valved receptacle inlet, or merely an unusual configuration or relation of the matching parts.;

in subclass 68, add:

Search Class—
222—DISPENSING, subclass 119, for dispensing means combined with cleaning means for the inlets of non-portable receivers and subclass 148 for other cleaning means associated with dispensing devices.;

in subclass 69, add:

Search Class—
222—DISPENSING, subclass 190.;

in subclass 70, add:

Search Class—
222—DISPENSING, subclasses 113, 131 and 146.;

in subclass 100, under "Search Class", add:

222—DISPENSING, subclasses 129+.;

in the definition of the unnumbered subclass title following subclass 101, under "Search Class", cancel "221, Dispensing, subclass 95, and indented subclasses" and substitute: *222, Dispensing, appropriate subclasses*;

in subclass 106, add:

Search Class—
222—DISPENSING, subclass 319.;

in subclass 109, cancel note 2 and substitute:

Search Class—
222—DISPENSING, subclasses 117+, for means for controlling air displacement associated with the filling on non-portable receptacles.;

in subclass 119, add:

Search Class—
222—DISPENSING, subclass 40, for overflow indicator for dispensing devices, and subclasses 108+, for drip leakage, and waste catching or disposal combined with dispensing means.;

in subclass 126, add:

Search Class—
222—DISPENSING, subclasses 52+, for automatic means for controlling dispensing devices, especially subclasses 64+, for material level control.;

in subclass 129, add:

(1) Note.—Conduits or pipes with a hood to cover or protect the receptacle opening are here even though the only disclosed function of the conduit is removing material from the receptacle.

Search Class—
222—DISPENSING, subclass 566, for dispensing nozzles, and see search classes listed under sec. 19 of the main class definition of class 222.

229, Paper Receptacles (Division 40)

in the main class definition, add:

Search Class—
206—SPECIAL RECEPTACLES AND PACKAGES, and see the notes thereto for the distribution of special receptacle and package art.
220—METALLIC RECEPTACLES, the notes to the main class definition, setting forth the distribution of art in receptacle structures, and the notes to subclasses 24+, setting forth the distribution of the closure art.
222—DISPENSING, and see the notes thereto for dispensing in general.

in subclass 62.5, cancel the note and add:

Search Class—
150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 9, for similar closures.
222—DISPENSING, subclasses 49+, for valved outlets opened by the pressure of the container contents and subclasses 544+, for other valved outlets.

230, Gas Pumps and Fans (Division 9)

in the main class definition, under "(10) Search Classes", change "221" to *222* and "52 and 74" to *209 and 401*;

in subclass 13, under "(3) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, appropriate subclasses, especially subclass 52+.;

in subclass 20, under "(3) Search Classes", change "221" to *222* and "subclass 103" to *subclasses 43 and 309*;

in subclass 54, under "(2) Search Classes", change "221" to *222* and "subclass 102" to *subclasses 249+ and 253*;

in subclass 169, under "Search Classes", change "221" to *222* and "subclasses 49 and 76" to *subclasses 206+, particularly subclass 209.*

232, Deposit and Collection Receptacles (Division 41)

in the main class definition, under "(3) Note.—Search Class", add:

222—DISPENSING, appropriate subclasses and see search classes listed for the distribution of dispensing art in general.

234, Recorders (Division 41)

in the main class definition, add:

(5) Note.—See class 222, DISPENSING, subclass 30, for combined dispensers and recorders.

235, Registers (Divisions 23, 41)

in the main class definition, add:

Search Class—
222—DISPENSING, particularly, subclasses 24–38, for registers combined with significant dispensing features.;

in subclass 24, add:

Search Class—
222—DISPENSING, for registers with shutters claimed in combination with significant dispensing features.;

in subclass 144, add:

Search Class—
222—DISPENSING, subclasses 32+, for registers with zero-setting mechanism claimed in combination with significant dispensing features.

240, Illumination (Division 30)

in subclass 2, under "(2) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclass 113.

248, Supports (Division 52)

in the main class definition, add:

(43.5) Note.—See class 222, DISPENSING, subclasses 92+, for supports for collapsible wall type receptacles, subclass 112, for means for supporting inverted receptacles for draining, subclasses 160+, for supports for movably mounted dispensing receptacles, and subclasses 173+, for supports for other dispensing receptacles.;

in subclass 108, in the note, change "221" to *222* and "60" to *92*+;

249, Automatic Weighers (Division 36)

in the main class definition, second paragraph, change "221" to *222* and "95 and 101" to *55, 57, 58, and 77*;

in subclass 14, add:

Search Class—
223—DISPENSING, subclasses 129+, for dispensers having plural sources of supply.;

in subclass 32, add:

Search Class—
222—DISPENSING, subclasses 533+, for dispensing containers having swingable outlet nozzles.;

in subclass 33, add:

Search Class—
222—DISPENSING, subclass 277.;

in subclass 38, add:

Search Class—
222—DISPENSING, subclasses 65, 445+, 451+, 483, and 484+.

251, Valves (Division 39)

in the main class definition, under "Search Classes", cancel the reference to classes 184, Lubrication, 217, Wooden Receptacles, and 221, Dispensing, and add in numerical order the following:

4—BATHS, CLOSETS, SINKS, AND SPITTOONS, for valves combined with devices of that class, and for valves specialized for use in such devices.
21—PRESERVING, DISINFECTING, AND STERILIZING, subclass 104, for valves specifically modified and adapted for sterilizing apparatus.
31—DAIRY, subclass 52, for milking pails and cans with a valved inlet.
84—MUSIC, the various "pneumatic" and wind instruments, for valves specialized for such devices.
103—PUMPS, subclasses 228–230, for valves specialized for pumps.
114—SHIPS, subclasses 197 and 198, for boat plugs and sea cocks.
120—STATIONERY, subclass 48, for valved fountain pens.
126—STOVES AND FURNACES, subclasses 285+, for dampers.
128—SURGERY, subclasses 207, 210 and 211, for valved inhalers, and 274, for valves peculiar to medicators.
137—WATER DISTRIBUTION, subclass 93, for flush valves, and the class in general for miscellaneous valve actuation, particularly subclass 139+.
150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 8, for collapsible mouthpiece type bag closures and subclass 9, for valve type bag closures.
152—RESILIENT TIRES AND WHEELS, subclass 415+, for inflating devices, for pneumatic tires.
182—SEWERAGE, particularly subclasses 4 and 5, for catch basin automatic valves, subclasses 14 through 17, for liquid seal traps with valves, subclasses 25 and 26, for other traps with valves and subclass 27, for automatic air check valves.
184—LUBRICATION, for lubricating devices with valves, particularly subclasses 33 through 35, for pump lubricators with valves, subclass 66, for gravity feed type lubricators with automatic valves and subclasses 80, 82, 83, 86, and 87, for other gravity feed lubricators with valves.
200—ELECTRICITY—CIRCUIT MAKERS AND BREAKERS, subclass 53, for valves combined with switches.
209—CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS, for valve combinations, particularly subclass 246, for sifter feeding hoppers with cut-offs and valves, subclass 258, for discharging valves for sifters, and subclasses 488, 490 and 497+, for feeding and discharging means for stratifiers.
210—LIQUID SEPARATION OR PURIFICATION, subclass 29+, for chemical feeders, subclass 54, for decanters with a float controlled outlet, and subclasses 77+, 166 and 168, for faucets and valves combined with strainers.
215—BOTTLES AND JARS, subclass 17+, for valved closures having features to prevent refilling of the receptacle and subclass 74+, for other valved closures.
217—WOODEN RECEPTACLES, subclass 99+, for valved barrel bungs.
220—METALLIC RECEPTACLES, subclass 24+, and see the notes thereto for closures.
222—DISPENSING, for valves, cut-offs and discharge controllers in dispensing combinations, as where (*a*) the structural features of a supply container with or without material guiding means or the relation of the valve or its actuator thereto is claimed, (*b*) a dispensing type discharge assistant is claimed in combination with a valve, cut-off or discharge controller, (*c*) a preset or automatic cut-off is controlled by dispensed volume or rate of flow, (*d*) plural valves are so related as to have a measuring function, (*e*) or the valve, cut-off or discharge controller is considered to be specially adapted for dispensing purposes, as those operated by pressure applied to the contents of the supply container or by inversion of the supply container.
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclasses 34 through 37, for valved funnels, and subclasses 114, 117, 118, 120, 121, 123+ and 126+, for other filling devices with valves.
229—PAPER RECEPTACLES, subclass 62.5, for valve type bag closures.
230—GAS PUMPS AND FANS, subclasses 227–231, for valves specialized for fans.
249—AUTOMATIC WEIGHERS, particularly the "feed cut-off" subclasses, for valve combinations.
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclasses 107.4–107.8 and 144–152, for valves in nozzles.
302—CONVEYERS—FLUID CURRENT, subclass 42, for feed regulators for the material intaker of such conveyers.
303—FLUID-PRESSURE BRAKE AND ANALOGOUS SYSTEMS, subclass 54, for self-lapping valves and subclass 84 for flow retarders and cut-offs.;

in subclass 19, add:

Search Class—
222—DISPENSING, subclasses 502+, for containers having valves or closures made of plural, relatively movable sections.;

in subclass 22, add:

Search Class—
222—DISPENSING, subclasses 447, 453, and 476.
277—MULTIPLE VALVES, subclasses 13+ and 34.;

in subclass 43, add:

Search Class—
222—DISPENSING, subclasses 489, 519+, and 549+.;

in subclass 51, add:

Search Class—
222—DISPENSING, subclasses 559+.;

in subclass 114, add:

Search Class—
222—DISPENSING, subclasses 491+ for dispensing receptacles having a valve or other outlet element operated by the pressure of the container contents.;

in subclass 116, add:

Search Class—
222—DISPENSING, subclasses 117+, especially 125, 127.;
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclasses 123+, 128.;

in subclass 122, under "Search Class", add:

222—DISPENSING, subclasses 490 and 527+.;

in subclass 137, add:

Search Class—
222—DISPENSING, subclass 501.;

259, Agitating (Division 32)

in the main class definition, under "(6) Search Classes", add:

222—DISPENSING; both classes 222 and 259 have the combination of a container and a device operable on the container contents to mix the same, and means to discharge the contents.

A. Class 259 takes:
(1) Agitators with means to feed material thereto;
(2) Containers having means to agitate, which means are inoperable to assist discharge (e. g., where the agitator is inoperative during discharge) and such means combined with additional dispensing means;
(3) Any means particularly designed to agitate with only an incidental discharge assisting function (e. g., those devices in which the agitator must operate prior to a dispensing operation, even though it operates during and assists the discharging operation).

B. Class 222 takes containers of any kind with:
(1) Devices particularly designed to convey material therefrom or produce a force on the material therein in a discharge direction, with only an incidental agitating effect;
(2) Agitators combined with other non-gravity discharge assistants and operable together only during the discharging operation (the agitator subcombination going to class 259);
(3) Mere solid material bridge breakers operable to promote gravity flow toward a container outlet or discharge assisting means.

263—HEATING, subclasses 21+, for heating furnaces with means for agitating the material heated.;

in subclass 2, at the end of note 1, add:

and see the reference to class 222, DISPENSING, in the main class definition for the line with such class.;

in subclass 28, cancel note 4 and substitute:

Search Class—
222—DISPENSING, and see the reference thereto in "(6) Search Classes" under the main class definition of class 259, for the line.;

in subclass 151, cancel note 3 and substitute:

Search Class—
222—DISPENSING, subclasses 3+, for gas dispensing, 193+, for fluid flow discharge and 195, for gas agitation.
302—CONVEYERS—FLUID CURRENT, for pneumatic feeding in general.;

in subclass 154, in note 2, change "221" to 222 and "96 and 122" to *57 and 189+*;

in subclass 164, cancel note 3 and substitute:

Search Class—
222—DISPENSING, appropriate subclasses, for material discharging generally, and the notes to the main class definition of class 222 for search classes.;

in subclass 165, add:

Search Class—
222—DISPENSING, subclasses 129+.;

in subclass 171, add:

Search Class—
222—DISPENSING, subclasses 160+, especially subclass 166.

263, Heating (Division 28)

in the main class definition, under "(4) Search Classes", add:

222—DISPENSING, appropriate subclasses, for dispensers per se, subclass 113 having the combination of dispenser and burner.;

in subclass 32, under "(3) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclasses 160+, for movably mounted dispensing receptacles, especially subclass 166, for those that tilt for gravity discharge.

266, Metallurgical Apparatus (Division 28)

in subclass 38, note 1, change "221" to 222;

and under "(2) Search Classes", add:

214—MATERIAL OR ARTICLE HANDLING, subclasses 18+ and see the notes thereto for furnace discharging in general.

268, Closure-Operators (Division 1)

in the main class definition, under note 1, in the reference to class 221, Dispensing, change "221" to 222 and "subclasses 144, 145" to *appropriate subclasses.*

272, Amusement and Exercising Devices (Division 57)

in subclass 27, in the note, change "221" to 222 and "31.5" to 79.

275, Scattering-Unloaders (Division 1)

in subclass 10, add:

Search Class—
222—DISPENSING, and see the main class definition, sec. 17, for notes on art for the scattering of material.;

in subclass 14, add:

Search Class—
222—DISPENSING, subclasses 566+ and see the notes thereto for dispensing nozzles.;

in subclass 15, add:

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 58 and see the notes thereto.
198—CONVEYERS—POWER-DRIVEN, subclass 128 and see the notes thereto.

277, Multiple Valves (Division 30)

in the main class definition, under "(2) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, appropriate subclasses, for dispensers, including trap chambers having plural valves associated therewith, particularly subclasses 65, for material level controls with full and/or empty interlock, 68, for plural float operated valves, 129+, for plural dispensers each valve controlled, 425+, for stationary trap chambers having both an inlet and outlet valve, and for plural stationary trap chambers with control valves, 476, for spaced alternately seated valves, and 481+, for containers having plural openings and plural valves.;

in subclass 34, under "Search Class", cancel the reference to class 221, Dispensing, and substitute:

Search Class—
222—DISPENSING, subclasses 445+, 451+, and 476.
251—VALVES, subclasses 22 and 118.

284, Valved Pipe Joints or Couplings (Division 52)

in the main class definition, add:

(2.5) Note.—See class 222, DISPENSING, subclasses 121+ and 127, for dispenser outlet elements operated by receiver parts.

285, Pipe Joints or Couplings (Division 52)

in subclass 25, cancel note 2 and add:

Search Class—
110—FURNACES, subclass 99.
122—LIQUID HEATERS AND VAPORIZERS, subclasses 511 and 512.
222—DISPENSING, subclasses 89+ and 567+, for joints between receptacles and their nozzles, spouts or pouring devices.;

in subclass 44, add:

Search Class—
222—DISPENSING, subclasses 90 and 569.

291, Track-Sanders (Division 34)

in the main class definition, after the last sentence, add:

Search Class—
222—DISPENSING, for dispensing apparatus in general and see the classes noted in secs. 12, 16, and 17, of the main class definition.;

in subclass 3, add:

Search Class—
51—ABRADING, subclasses 8+, for sand blast apparatus.
222—DISPENSING, subclasses 193+, for dispensers involving fluid flow discharge.
302—CONVEYERS—FLUID CURRENT.;

in subclass 19, add:

Search Class—
222—DISPENSING, subclasses 113, 131, and 146, for other dispensers combined with heaters.;

in subclass 20, add:

Search Class—
222—DISPENSING, subclass 333, for electric motor operated impelling devices for dispensers.;

in subclass 21, add:

Search Class—
222—DISPENSING, subclass 334, for fluid motor operated impellers for dispensers.;

in subclass 22, add:

Search Class—
222—DISPENSING, subclass 177 for ground wheel operated dispensers.;

in subclass 25, add:

Search Class—
222—DISPENSING, appropriate subclasses, for dispensers in general.;

in subclass 42, add:

Search Class—
222—DISPENSING, subclasses 148+, for other dispensers combined with a cleaner.;

in subclass 44, add:

Search Class—
222—DISPENSING, subclasses 527+, for other flexible dispenser outlet pipes or nozzles.;

in subclass 45, add:

Search Class—
222—DISPENSING, subclass 523, for other telescopic delivery pipes or nozzles.;

in subclass 46, add:

Search Class—
222—DISPENSING, subclasses 566+, for other dispenser nozzles.;

in subclass 47, add:

Search Class—
222—DISPENSING, subclasses 526+, for other movable dispenser nozzles and see the notes for other subclasses having such subject matter, subclasses 533+, having swingable nozzles.

292, Closure Fasteners (Division 20)

in the main class definition, under "Search Class", add:

222—DISPENSING, appropriate subclasses, for dispensing devices having means to latch or secure closures, valves and the movable parts of discharge assistants in a desired position, especially subclass 44, for a combined indicator and detent, and subclass 153 for fastening seals for dispensing devices.

294, Handling—Hand and Hoist-Line Implements (Division 4)

in subclass 2, under "(2) Search Class", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclasses 466+, for dispensers having auxiliary tilting handles.;

in subclass 27, under "(4) Search Classes", cancel the reference to class 221, Dispensing, and substitute:

222—DISPENSING, subclasses 466+, for dispensers having auxiliary tilting handles.

298, Land Vehicles, Dumping (Division 45)

in the main class definition, under "(4) Note.—Search Class", add:

222—DISPENSING, appropriate subclasses, for other dispensing devices.;

in subclass 17, add:

Search Class—
222—DISPENSING, subclass 166.;

in subclass 24, add:

Search Class—
222—DISPENSING, particularly subclass 476, et seq.;

299, Fluid Sprinkling, Spraying, and Diffusing (Division 46)

in the main class definition, under "Search Class", add:

222—DISPENSING, for dispensers, even though disclosed for fluid sprinkling, spraying, or diffusing, where means for such purposes are not claimed, i. e., class 222 has the subcombination of merely means for delivering material from a bulk supply.;

in subclass 29, add:

Search Class—
222—DISPENSING, subclasses 176+, for ambulant dispensers.;

in subclass 86, add:

Search Class—
222—DISPENSING, subclasses 193+.;

in subclass 90, cancel the note and add:

Search Class—
128—SURGERY, subclass 231.
222—DISPENSING, subclasses 92+ and 206+.;

in subclass 92, add:

Search Class—
222—DISPENSING, subclasses 386+, for follower type dispensers.;

in subclass 93, in the note, change "221" to 222 and "79" to *390*;

in subclass 95, in the note, cancel ", and also class 221, Dispensing, appropriate subclasses", and add:

Search Class—
222—DISPENSING, subclasses 394+, for dispensers in which fluid pressure is used to cause discharge of other materials.;

in subclass 97, cancel note 3, and add:

Search Class—
222—DISPENSING, appropriate subclasses, particularly subclasses 255, 318, 325+, 333+, and 372+.;

in subclass 102, cancel the note and substitute:

Search Class—
222—DISPENSING, subclasses 565 and 566+ and the other subclasses set forth in the notes.;

in subclass 103, add:

Search Class—
222—DISPENSING, subclass 565 and the subclasses set forth in the notes thereto.;

in subclass 107, add:

Search Class—
222—DISPENSING, for miscellaneous dispensing nozzles, and see particularly subclasses 566+ and the notes thereto for other nozzle structures in class 222. See the notes to sec. 19 of the main class definition of class 222, for art on nozzles in other classes.;

in subclass 110, add:

Search Class—
222—DISPENSING, subclasses 80+, for other penetrating nozzles, and see sec. 19 of the main class definition for the location of art in other classes on penetrating nozzles.;

in subclass 111, add:

Search Class—
222—DISPENSING, subclass 174, for pole or extension supported dispensers, and subclass 191, for those mounted on a tool or implement handle.

302, Conveyers—Fluid Current (Division 4)

in the main class definition, add:

(7) Note.—See class 222, DISPENSING, subclasses 193+, for dispensers having fluid flow discharging means.

312, Supports, Cabinet Structures (Division 8)

in the main class definition, add:

(5) Note.—This class has article dispensing cabinets in subclasses 35+ but no bulk dispensing cabinets. Class 222, DISPENSING, has miscellaneous article dispensers in subclasses 9+, and in sec. 5 of the main class definition, there are notes to other classes containing article dispensers. The remainder of class 222 is devoted to bulk dispensing and notes to other classes containing bulk dispensers, subclasses 129+ taking plural compartment cabinets, all, or some, compartments being dispensing compartments, while single compartment cabinets or containers are in other appropriate subclasses. The mere naming of a compartment as a dispensing compartment will not cause classification in class 222; some significant dispensing feature must be claimed.;

in subclass 35, in note 1, cancel the last sentence and substitute:

For article and bulk dispensing in general, see class 222, DISPENSING, and see the line stated in the main class definition of class 312.;

in subclasses 36 and 116, add:

Search Class—
222—DISPENSING, subclasses 131 and 146.;

in subclass 167, under "Search Class", add:

222—DISPENSING, subclasses 113, 131 and 146.;

in subclass 168, add:

Search Class—
222—DISPENSING, subclasses 131 and 146.

314, Electric Lamp and Discharge Devices, Consumable Electrodes (Division 60)

in subclass 129, add:

Search Class—
191—ELECTRICITY—TRANSMISSION TO VEHICLES, appropriate subclasses, for means for transmitting electrical energy between relatively movable objects, note especially subclass 1 for miscellaneous devices for transferring electrical energy from a stationary contact to a moving conductor.

316, Electric Lamp and Discharge Devices, Manufacture and Repair (Division 54)

in subclass 24, under "Search Class", in the reference to class 221, Dispensing, change "221" to 222, cancel "methods" and change "73.5" to *3+*;

in subclass 30, under "Search Class", in the reference to class 221, Dispensing, change "221" to 222 and "73.5" to *3+*.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING MARCH, 1944

THE FRANK H. LEE COMPANY *v.* RENART SPORTSWEAR CORP. *v.* SPATZ BROS., INC., Trade-Mark Interference No. 3481.

In an interference involving the registration of Spatz Bros., Inc., of New York, N. Y., of a trade-mark for boys' raincoats which is dominated by the notation "Station Wagon," and the applications of Renart Sportswear Corp., also of New York, N. Y., and The Frank H. Lee Company, of Danbury, Conn., for registration of substantially the same mark, for women's and girls' sweaters, and for men's hats and caps, respectively, *First Assistant Commissioner Frazer* rendered a decision March 1, 1944 (166 Ms. Dec. 445, 60 U. S. P. Q. 496), denying the petition by the party Spatz Bros., Inc., in which the party Renart Sportswear Corp. joins, that the interference proceeding be dissolved.

Noting that it is not of controlling importance that all parties to the interference appear to be in agreement that the interference should be dissolved, since, regardless of such agreement, the Patent Office is bound by the statute, it was held that the goods involved were all of the same descriptive properties and that the marks are all so nearly identical as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers, so that it follows that only one of the marks may properly be registered.

GAMBLE STORES, INCORPORATED, *v.* WM. J. JAEGER FURNITURE COMPANY, INC., Opposition No. 22,077.

In a decision rendered March 8, 1944 (166 Ms. Dec. 446, 60 U. S. P. Q. 497), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Gamble Stores, Incorporated, of Minneapolis, Minn., to the application of Wm. J. Jaeger Furniture Company, Inc., of Los Angeles, Calif., for registration of the word "Coronado" in association with the representation of a crown, as a trade-mark for living room, dining room and bedroom furniture. Opposer relied upon its prior use and registration of the same word in connection with radio receiving sets, heating stoves, refrigerators and washing machines.

It was held that the Examiner of Interferences rightly sustained the opposition on the ground that opposer's radio receiving sets are of the same descriptive properties as applicant's furniture, and their sale under marks of such near identity would be reasonably likely to cause confusion as to origin.

EX PARTE CONTINENTAL DISTILLING CORPORATION, Serial No. 428,152.

In a decision rendered March 15, 1944 (166 Ms. Dec. 448, 61 U. S. P. Q. 30), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks who had refused, on the ground that the mark is merely the name of an individual not distinctively displayed, to register the word "Cobbs" under the provisions of the act of February 20, 1905, on the application of Continental Distilling Corporation, of Philadelphia, Pa., as a trade-mark for whisky, gin, rum, brandy and alcoholic cordials.

It was held that "Cobbs" is not commonly used as a surname and that since in 1935 applicant was granted a registration, under the act of 1905, of the trade-mark "Cobbs Creek" for the same goods as those of the instant application, the case here presented involves a doubt as to nonregistrability that should be resolved in applicant's favor and that, in the absence of opposition, the mark should be registered.

KAYLON INCORPORATED *v.* BELDOCH-POPPER, INC., Opposition No. 22,278.

In a decision rendered March 18, 1944 (166 Ms. Dec. 450, 61 U. S. P. Q. 33), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Kaylon Incorporated, of New York, N. Y., based upon a mark registered approximately one year prior to applicant's filing date, comprising the notation "Kaylon 'Snugaroos' styled by Harry Berger," for men's, women's and children's pajamas, to the application of Beldoch-Popper, Inc., also of New York, N. Y., for registration of a trade-mark for misses' and women's sweaters comprising the word "Slickeroo," the initial letter forming the outline of a woman's face and hat.

It was held that the goods of the parties are of the same descriptive properties; and resolving doubts in opposer's favor, their marks are confusingly similar for although "Snugaroos" and "Slickeroo" are not identical, they have much in common as to appearance, sound and suggestive significance, and while the other words of opposer's mark must not be disregarded in making the comparison, nevertheless the similarity of applicant's mark to the dominating portion of opposer's mark is such as to be reasonably likely to cause confusion between the two marks as a whole.

THE ATLANTIC REFINING COMPANY *v.* COMMERCIAL SOLVENTS CORPORATION, Opposition No. 21,556.

In a decision rendered March 18, 1944 (166 Ms. Dec. 451, 61 U. S. P. Q. 31), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of The Atlantic Refining Company, of Philadelphia, Pa., to the application of Commercial Solvents Corporation, of New York, N. Y., for registration of the word "Plus," claimed to have been used since June 10, 1941, as a trade-mark for

"alcoholic solvents, proprietary solvent having a general use in the industry, denatured alcohol, and radiator antifreeze compositions,"

the opposition being based upon opposer's alleged prior use of the same word in connection with gasoline.

In view of stipulated facts, it was held that opposer had established prior use.

Although gasoline and antifreeze preparations differ in their chemical composition and are not used for the same purpose, it was held that they are closely associated in the mind of the motoring public and that many individuals finding "Plus" gasoline and "Plus" antifreeze for sale side by side might reasonably be expected to assume that they were of common origin.

Two motions presented by applicant at the hearing on the appeal were denied. As to one relating to suppression of paragraphs 8 and 9 of opposer's stipulated evidence, it was held that applicant's attorney signed the stipulation, and his professed disagreement with opposer's interpretation and that of the First Assistant Commissioner of the language used is no ground for its suppression. As to the other motion relating to a request to remand to the Examiner of Interferences for the purpose of permitting both parties to present additional evidence, it was held that the motion to remand stems from applicant's desire to take testimony in an effort to prove abandonment by opposer of the trade-mark which is stipulated to have been used continuously since 1933.

MCKESSON & ROBBINS, INCORPORATED, *v.* AMERICAN FOUNDATION FOR DENTAL SCIENCE, Opposition No. 22,181.

In a decision rendered March 21, 1944 (166 Ms. Dec. 456, 61 U. S. P. Q. 34), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of American Foundation for Dental Science, of San Diego, Calif., for registration of the notation "Dent-A-Min" as a trade-mark for

"concentrated medicinal materials for use as food supplements in supplying deficiencies of vitamins and minerals."

The opposition was based upon the ownership of the trade-mark "Cytamin," registered for

"medicinal preparations for internal use, said preparations consisting of a metabolic stimulant and cell-activating agent particularly useful in the treatment of diseases due to deficiency in diet."

After noting that, broadly speaking, applicant's goods and those set forth in opposer's registration are clearly of the same descriptive properties, because both are medicinal preparations, and further noting that if opposer's product were a vitamin or a mineral preparation, the trade-marks "Cytamin" and "Dent-A-Min" bear sufficient resemblance to be reasonably likely to cause confusion, it was nevertheless held that in view of probable differences between the goods, the obvious differences between the marks afford adequate protection against any likelihood of confusion.

ABBOTT LABORATORIES *v.* AMERICAN FOUNDATION FOR DENTAL SCIENCE, Opposition No. 22,190.

In a decision rendered March 21, 1944 (166 Ms. Dec. 455, 61 U. S. P. Q. 33), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Abbott Laboratories, of Chicago, Ill., to the application of American Foundation for Dental Science, of San Diego, Calif., for registration of the notation "Dent-A-Min" as a trade-mark for

"concentrated medicinal materials for use as food supplements in supplying deficiencies of vitamins and minerals,"

the mark having been in use since May 9, 1942, and the opposition being based upon the ownership of the trade-mark "Dayamin," registered January 27, 1942, for "a vitamin preparation."

It was held that the goods of both parties are vitamin preparations differing only as to type, and in the absence of evidence to the contrary it must be presumed that opposer's mark is applied to all preparations falling within the description of goods set forth in the registration and granting that the marks differ in significance and in appearance, nevertheless their similarity when spoken is very marked so that, in view of the close relationship between the goods of the parties, such similarity is at least reasonably likely to result in confusion.

THE PHYSICIAN & HOSPITAL SUPPLY COMPANY *v.* BAYER-SEMESAN COMPANY, INC., Opposition No. 22,164.

In a decision rendered March 24, 1944 (166 Ms. Dec. 457, — U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of The Physician & Hospital Supply Company, of Minneapolis, Minn., to the application of Bayer-Semesan Company, Inc., of Wilmington, Del., for registration of the notation "Thiosan" as a trade-mark for

"agricultural and horticultural fungicides,"

the opposition being predicated upon opposer's ownership of the unregistered trade-mark "Thio-Zin" for a product variously described on its labels as

"an inhibitive dusting powder suggested as an aid in preventing recurrent trycophyton infection of the feet,"

and

"a fungicidal powder recommended for prevention of recurrent trycophyton infections of the feet."

After noting that the goods of the parties are noncompetitive and neither can be substituted in

use for the other; and that both are chemical compositions, but they have no ingredients in common; that, broadly speaking, both are fungicides; but so are a pickle barrel and a cigarette case both containers; and that obviously the generic name of an article does not necessarily determine its descriptive properties in relation to those of another article, it was held that the goods here in question are not of the same descriptive properties and that, this being true, the similarity of the trade-marks under which they are sold becomes immaterial.

PLOUGH, INC., *v.* BONNE BELL, INC., Opposition No. 22,104.

In a decision rendered March 29, 1944 (166 Ms. Dec. 459, — U. S. P. Q. —), *First Assistant Commissioner Frazer* dismissed the appeal taken by opposer from the action of the Examiner of Interferences dismissing the opposition of Plough, Inc., of Memphis, Tenn., to the application of Bonne Bell, Inc., of Cleveland, Ohio, for registration of a trade-mark where the Examiner of Interferences had refused the registration applied for on an ex parte ground, but applicant took no appeal therefrom and the ex parte refusal to register had become final.

CORNING GLASS WORKS *v.* GENERAL MOTORS CORPORATION, Opposition No. 21,746.

In a decision rendered March 31, 1944 (166 Ms. Dec. 460, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Corning Glass Works, of Corning, N. Y., to the application of General Motors Corporation, of Detroit, Mich., for registration of the word "Porex," claimed to have been used since April 19, 1941, as a trade-mark for articles made from metal powders, namely, filters, filtering media, fluid diffusers, fluid diffusing media, and large area catalytic reaction surfaces. Opposer is the owner of the trade-mark "Pyrex," which has been used in connection with various articles of glassware for nearly thirty years; and as far back as 1924 was registered for a long list of glass laboratory equipment, including such items as beakers, condensers, funnels, cascade dishes and sheet glass. More recently the mark has been applied to filters.

After analyzing opposer's proofs, it was held that opposer had sufficiently proven the use of the "Pyrex" mark on filters.

It was held that opposer's filters are of the same descriptive properties as applicant's filters and that the same ruling may properly be made with respect to opposer's laboratory equipment generally, and the other goods named in the application; although, because of their specific differences, it may be that confusion would be unlikely to result from their sale under the trade-marks here involved.

As to alleged specific differences in the filters and their use pointed out by applicant, it was held that the application to register contains no such restriction and that there is evidence in the record that opposer's filters can be used for the same purpose as those produced by applicant.

As to the filters, it was held that confusion would be reasonably likely. It was further held that the most that can be said to the contrary is that the question is not free from doubt and all doubts in that regard must be resolved in opposer's favor, consideration having been given to the fact that the marks "Pyrex" and "Porex" when analyzed suggest different ideas, although in appearance and sound the two marks are very nearly identical, which is a factor of equal importance with significance, and to the fact that the goods to which the marks are applied are likely to be purchased with a considerable degree of care and discrimination.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 25, 1944

[VOL. 561. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 458,097. GULF & WEST INDIES CO., INC., New York, N. Y. Filed Jan. 22, 1943.

Brownie Brand
CHAMOIS

The words "Brand" and "Chamois" are disclaimed apart from the mark.
FOR CHAMOIS.
Claims use since March 1935.

Ser. No. 466,093. EDWARD E. MARSH, doing business as Marsh's Nursery, Pasadena, Calif. Filed Dec. 27, 1943.

HÉTÁ

FOR CUCUMBER SEEDS.
Claims use since Apr. 1, 1943.

Ser. No. 466,456. NEVADA CELATOM CO., Chicago, Ill. Filed Jan. 10, 1944.

VADA-ZORB

FOR POULTRY LITTER.
Claims use since Aug. 12, 1943.

Ser. No. 467,149. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Feb. 4, 1944.

LOWLANDS GRAIN

Applicant disclaims the word "Grain" apart from the mark.
FOR LEATHER.
Claims use since June 1, 1943.

Ser. No. 467,150. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Feb. 4, 1944.

MOORLANDS GRAIN

Applicant disclaims the word "Grain" apart from the mark.
FOR LEATHER.
Claims use since Nov. 15, 1943.

Ser. No. 467,372. HERMANN LOEWENSTEIN, New York, N. Y. Filed Feb. 12, 1944.

NEOPAT

FOR SYNTHETIC RESIN SHEETING FOR SHOE UPPERS.
Claims use since Nov. 23, 1942.

CLASS 2

RECEPTACLES

Ser. No. 454,314. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed July 18, 1942.

TYPEFOLIO

FOR POCKET-LIKE HOLDERS FOR CONTAINING ACCESSORIES SUCH AS PAPER, ENVELOPES, AND CARBON PAPER, AND ADAPTED TO OR MOUNTED ON PORTABLE TYPEWRITER CASES.
Claims use since May 28, 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 467,897. ORIGINALITIES, New York, N. Y. Filed Mar. 1, 1944.

Florita

FOR WOMEN'S WALLETS.
Claims use since Feb. 11, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 463,244. ROBERT H. CLARK, doing business as The Custom Company, Los Angeles, Calif. Filed Sept. 6, 1943.

CUSTOM

FOR SHAVING CREAM.
Claims use since May 17, 1941.

Ser. No. 466,132. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Dec. 28, 1943.

K-37

FOR CLEANING, CLEANSING, AND DETERGENT MATERIAL OF GENERAL UTILITY, BUT PARTICULARLY ADAPTED FOR LAUNDRY AND TEXTILE USE AND INDUSTRIAL METAL CLEANING.
Claims use since Mar. 20, 1942.

Ser. No. 466,947. MURPHY CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 28, 1944.

MUR-DENE

FOR WASHING POWDERS.
Claims use since Jan. 28, 1942.

Ser. No. 467,583. ERIC F. WIENEKE, doing business as The Safety Cleansers Company, Saginaw, Mich. Filed Feb. 19, 1944.

PIED PIPER

FOR SOAP AND CLEANSING COMPOUND.
Claims use since Nov. 3, 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 455,648. DERMETICS, INC., Seattle, Wash. Filed Sept. 21, 1942.

Ageless Beauty Program

The word "Beauty" is disclaimed apart from the mark.
FOR TOILET PREPARATIONS—NAMELY, OILS AND BLENDS OF OILS FOR THE SKIN, CREAMS AND LOTIONS FOR THE SKIN, STIMULANTS FOR BLOOD CIRCULATION, ASTRINGENTS, FACE POWDERS, SKIN ROUGES, LIPSTICKS AND LIP ROUGES, AND BODY DEODORANTS, PUT UP IN PACKAGES CONTAINING TWO OR MORE OF THE PREPARATIONS TO WHICH THE TRADE-MARK IS APPLIED.
Claims use since Sept. 12, 1942.

Ser. No. 463,303. S. V. H. CORPORATION, Chicago, Ill. Filed Sept. 9, 1943.

Tad!

FOR CUTICLE PREPARATIONS SUCH AS CUTICLE REMOVER.
Claims use since Aug. 24, 1943.

Ser. No. 465,947. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Dec. 21, 1943.

F-5

FOR PHOTOGRAPHIC CHEMICALS—NAMELY, PHOTOGRAPHIC FIXING POWDER.
Claims use since Dec. 31, 1942.

Ser. No. 466,016. JOHN E. RESPONDEK, doing business as Ginola Medicine Company, Linwood Station, Detroit, Mich. Filed Dec. 23, 1943.

GINOLA

FOR HERB COMPOUND TO BE USED AS A TONIC LAXATIVE, APPETIZER, STOMACHIC, AND COUGH SYRUP.
Claims use since Jan. 12, 1939.

Ser. No. 466,076. H. L. FULLER, doing business as The Q-Vita Company, Kalamazoo, Mich. Filed Dec. 27, 1943.

Q-VITA

Applicant disclaims the letter "Q" separately from the mark.
FOR VITAMIN PREPARATIONS.
Claims use since 1937.

Ser. No. 466,508. ADDIE L. MCLEOD, Savannah, Ga. Filed Jan. 12, 1944.

ArPaBar

FOR PREPARATION FOR REMOVING DANDRUFF AND FOR STIMULATING THE GROWTH OF HAIR.
Claims use since 1940.

Ser. No. 467,163. ERIC GEORGE HERBERT MAUTHNER, London, England. Filed Feb. 4, 1944.

PENETRUST

FOR RUST REMOVING PREPARATIONS NOT CONTAINING OIL.
Claims use since Sept. 14, 1942.

Ser. No. 467,317. MAX R. HUTTNER, doing business as Tiricin Co., New York, N. Y. Filed Feb. 10, 1944.

TIRICIN

FOR VITAMIN TABLETS.
Claims use since Dec. 17, 1943.

Ser. No. 467,363. ABBOTT LABORATORIES, North Chicago, Ill. Filed Feb. 12, 1944.

TRYNAZOLE

FOR RECTAL OINTMENT.
Claims use since Jan. 31, 1944.

Ser. No. 467,497. NUTRITION RESEARCH LABORATORIES, Chicago, Ill. Filed Feb. 17, 1944.

the PENDARVON *Wafer*

No claim is made to the words "the" and "Wafer" apart from the mark.
FOR HYDROPHILIC COLLOID IN THE FORM OF A LAXATIVE MEDICINAL WAFER COMPRISING AS INGREDIENTS METHYL CELLULOSE, SUCROSE, DEXTROSE, CITRIC ACID, AND SODIUM BICARBONATE.
Claims use since Oct. 2, 1943.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 459,767. REX-O-GRAPH, INC., Milwaukee, Wis. Filed Apr. 9, 1943.

REX-O-graph

FOR SUPPLIES FOR DUPLICATING MACHINES—NAMELY, MASTER SHEET CARBON PAPER, DUPLICATING AND WRITING FLUID.
Claims use since July 3, 1934.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 462,956. TAFT ALLOY STEEL COMPANY, Taft, Calif. Filed Aug. 23, 1943.

TASCO

FOR ANCHORAGE CHAINS AND CHAIN LINKS.
Claims use since Apr. 1, 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 461,599. ARNESON FOUNDRY, INCORPORATED, Kenosha, Wis. Filed June 23, 1943.

AF

FOR UNFINISHED IRON AND STEEL CASTINGS.
Claims use since Mar. 12, 1943.

Ser. No. 467,177. AMPCO METAL, INC., Milwaukee, Wis. Filed Feb. 5, 1944.

AMPCO

FOR WROUGHT BRONZE SHAPES, FORGINGS, INGOTS, CASTINGS, AND ROLLED AND EXTRUDED BAR STOCK.
Claims use to wrought bronze shapes since Feb. 1, 1924; to forgings since Jan. 30, 1937; to ingots and castings since June 2, 1914; and to rolled and extruded bar stock since May 1, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 465,514. THE H. D. ROOSEN COMPANY, Brooklyn, N. Y. Filed Dec. 4, 1943.

ROOSENOL

FOR SYNTHETIC DRYING OILS FOR USE IN PAINTS, VARNISHES, AND ENAMELS.
Claims use since Feb. 10, 1942.

Ser. No. 466,780. THE CAMAC CO., Cambridge, Mass. Filed Jan. 22, 1944.

CAMAC

FOR POLISH FOR FURNITURE, FLOORS, WOODWORK, AUTOMOBILES, AND KINDRED USES.
Claims use since March 1943.

Ser. No. 467,286. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 8, 1944.

SOVASPAR

No claim is made to the word "Spar" except as shown.
FOR SPAR VARNISHES.
Claims use since Jan. 3, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 464,999. INTOCO TOBACCO CORPORATION, New York, N. Y. Filed Nov. 15, 1943.



The linings for the colors blue, brown, and orange are features of the mark. All words except "Hickory" and "Intoco" are disclaimed apart from the mark.
FOR PIPE TOBACCO.
Claims use since Oct. 4, 1943.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 466,493. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Jan. 11, 1944.



SEMINOLE
ARTS AND CRAFTS

Applicant disclaims the phrase "Arts and Crafts" except as shown.
FOR CANOES.
Claims use since June 1, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 455,832. SURRETTE STORAGE BATTERY CO., INC., Salem, Mass. Filed Sept. 28, 1942.

MOHAWK

FOR ELECTRICAL STORAGE BATTERIES.
Claims use since December 1922.

Ser. No. 464,493. WILLIAM LOUIS WALKER, doing business as Walker Industries, San Francisco, Calif. Filed Oct. 28, 1943.

FERRO-MASTER

FOR APPARATUS FOR ELECTROLYTIC PROTECTION OF BOILERS, WATER TANKS, WATER HEATERS, PLUMBING AND OTHER METALLIC VESSELS CONTAINING WATER OR OTHER ELECTROLITE FROM CORROSION; THE APPARATUS COMPRISES AN ANODE MADE OF NONCORROSIVE METAL; A CHAMBER AROUND SAID ANODE, SAID CHAMBER BEING PREFERABLY ARRANGED WITHIN THE VESSEL TO BE PROTECTED AND HAVING AN OPEN BOTTOM; AND A VENT IN THE UPPER PORTION THEREOF FOR PERMITTING GAS FORMED AROUND THE ANODE TO ESCAPE OUT OF SAID VESSEL.
Claims use since Aug. 9, 1943.

Ser. No. 467,630. WILSON WELDER AND METALS CO. INC., New York, N. Y. Filed Feb. 21, 1944.

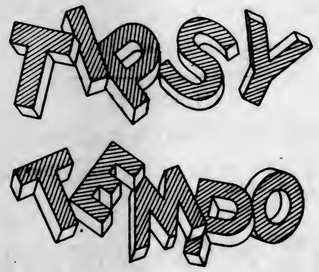
HELIWELD

FOR ELECTRIC WELDING EQUIPMENT FOR WELDING METALS.
Claims use since Feb. 2, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 467,230. JOHN E. BURBEY, Kansas City, Mo. Filed Feb. 7, 1944.



FOR GAME INVOLVING LETTER SEQUENCES.
Claims use since Jan. 31, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 467,270. THE DORR COMPANY, New York, N. Y. Filed Feb. 8, 1944.

HYDROSIZER

FOR HINDERED SETTLING HYDRAULIC CLASSIFIERS.
Claims use since May 3, 1943.

Ser. No. 467,419. WESSON COMPANY, Ferndale, Mich. Filed Feb. 14, 1944.

WCO

FOR SPOTFACERS, COUNTERBORES, COUNTERSINKS, HOLDERS, MILLING CUTTERS, PILOTS, BORING BARS, CENTERS, CORE DRILLS, GRINDING MACHINES, END MILLS, REAMERS, TURNING AND BORING TOOLS, AND VISES.
Claims use since 1936.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 456,949. WALKER, CROSWELLER & COMPANY LIMITED, Cheltenham, England. Filed Nov. 20, 1942.

Arkon

FOR GAS-FLOW RECORDERS AND METERS, PRESSURE AND VACUUM RECORDERS AND GAUGES, THERMOMETERS, LIQUID-FLOW METERS, VALVE-POSITION INDICATORS, AND THERMOSTATIC VALVES FOR CONTROLLING FLUID TEMPERATURES.
Claims use since 1921.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 466,306. WALTER KOCHER, New York, N. Y. Filed Jan. 4, 1944.

Eska

FOR WATCHES.
Claims use since May 1929.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 467,264. MURIEL BENNAHUM, New York, N. Y. Filed Feb. 8, 1944.

RING OF FORTUNE

The word "Ring" is disclaimed apart from the mark.
FOR FINGER RINGS.
Claims use since Jan. 15, 1944.

Ser. No. 467,463. WILLIAM B. OGUSH, INC., New York, N. Y. Filed Feb. 16, 1944.

WOB

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES.
Claims use since Feb. 1, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 465,130. L. A. DARLING COMPANY, Bronson, Mich. Filed Nov. 19, 1943.



FOR FITTING STOOLS AND MOVABLE MERCHANDISE DISPLAY BINS, DISPLAY STANDS, DISPLAY RACKS AND MIRRORS FOR USE ON STORE COUNTERS AND FLOORS AND IN DISPLAY WINDOWS.
Claims use since February 1938.

Ser. No. 467,273. MEYER FELDMAN, doing business as Zephyr Venetian Blind Co., Tucson, Ariz. Filed Feb. 8, 1944.



No claim is made to the words "Venetian Blind Co." and the representation of the goods, apart from the mark.
FOR VENETIAN BLINDS.
Claims use since 1935.

Ser. No. 467,498. STANLEY OVERBY, doing business as Stanley Overby Chair Company, Inglewood, Calif.

FLOAT-IN-EZ

Filed Feb. 17, 1944.
FOR CHAIRS.
Claims use since Jan. 1, 1939.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 465,699. STENOR INCORPORATED, Stamford, Conn. Filed Dec. 10, 1943.

STENOR Weld-tite

FOR REPAIR PATCHES FOR INNER TUBES AND CASINGS, AND RUBBER HOSE PACKING.
Claims use since Sept. 1, 1943; and since May 8, 1940, for the word "Stenor."

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 467,705. FRED E. WILLIAMSON, doing business as The Paraloy Co., Chicago, Ill. Filed Feb. 23, 1944.

PLASTONE

FOR PHONOGRAPH NEEDLES.
Claims use since Feb. 15, 1944.

Ser. No. 467,706. FRED E. WILLIAMSON, doing business as The Paraloy Co., Chicago, Ill. Filed Feb. 23, 1944.



The mark consists of a gold colored bar embossed upon the needle shank. The representation of the phonograph needle is disclaimed apart from the mark.
FOR PHONOGRAPH NEEDLES.
Claims use since May 1, 1943.

CLASS 37

PAPER AND STATIONERY

Ser. No. 417,575. HARTFORD FIRE INSURANCE COMPANY, Hartford, Conn. Filed Mar. 28, 1939.

VISIGUIDE

FOR LOOSE LEAF BINDER CONTAINING CORRELATED QUESTIONNAIRES AND APPLICATION FORMS.
Claims use since Feb. 28, 1939.

Ser. No. 458,616. REX-O-GRAPH, INC., Milwaukee, Wis. Filed Feb. 18, 1943.

REX-O-*graph*

FOR PAPER AND SUPPLIES FOR DUPLICATING MACHINES—NAMELY, BACKING SHEETS, AND COPY PAPER, CORRECTION PLATES AND PENCILS.
Claims use since July 3, 1934.

Ser. No. 463,999. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Oct. 8, 1943.



Applicant is the owner of Reg. No. 286,993 and 292,954. The mark consists of arbitrarily coloring approximately an inch at one end of the pencil red, the end of said red colored section being cut at an angle to form a bevel. No claim is made to the representation of a pencil apart from the mark.
FOR LEAD PENCILS.
Claims use since 1899.

Ser. No. 466,081. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio. Filed Dec. 27, 1943.

ROLIT

FOR BARBER SUPPLIES—VIZ., PAPER NECK STRIPS.
Claims use since Jan. 1, 1931.

Ser. No. 466,821. BADGER PAPER COMPANY, Los Angeles, Calif. Filed Jan. 24, 1944.

Allure

FOR TOILET PAPER, WAXED PAPER, CLEANSING TISSUE, PAPER TOWELS, AND PAPER NAPKINS.
Claims use since Dec. 2, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 462,990. ESQUIRE, INC., Chicago, Ill. Filed Aug. 25, 1943.

Checkpayers

FOR SECTION OR FEATURE IN A PERIODICAL PUBLICATION.
Claims use since Apr. 15, 1942.

Ser. No. 466,797. ROBERT HARRISON, doing business as The Look of the Month Club, New York, N. Y. Filed Jan. 22, 1944.

LOOK OF THE MONTH CLUB

The word "Club" is disclaimed apart from the mark.
FOR PICTORIAL PRINTS ISSUED MONTHLY.
Claims use since Dec. 16, 1943.

CLASS 39

CLOTHING

Ser. No. 450,133. JOHN R. CRAIGHEAD, Denver, Colo. Filed Jan. 10, 1942.

BLACKOUT

FOR LEATHER GARMENT BELTS FOR ORDINARY WEAR.
Claims use since Nov. 21, 1941.

Ser. No. 457,432. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 16, 1942.

BROCKLY

FOR COLLARS AND OUTER SHIRTS.
Claims use since Oct. 5, 1897, on collars; and since Dec. 24, 1932, on shirts.

Ser. No. 463,151. NUSRALA-BOWEN SHOE CO., INC., St. Louis, Mo. Filed Sept. 1, 1943.

La Patti EXCLUSIVES

No claim is made to the word "Exclusives" apart from the mark.
FOR SHOES MADE OF LEATHER, FABRIC, PLASTIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since June 1, 1943.

Ser. No. 463,653. JULIUS NELSON CORP., New York, N. Y. Filed Sept. 25, 1943.

FASTEN-ATOR

The word "Fasten" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' COATS, SUITS, JACKETS AND COAT AND SUIT ENSEMBLES.
Claims use since June 1, 1942.

Ser. No. 463,744. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis. Filed Sept. 29, 1943.



The word "Showerproof" is disclaimed apart from the mark. The drawing is lined for green, red, and gold.
FOR STORM COATS.
Claims use since Feb. 20, 1943.

Ser. No. 465,079. WILLIAM B. SCHWARTZ, doing business as B. Schwartz & Co., Philadelphia, Pa. Filed Nov. 17, 1943.

TWIGS

FOR JUVENILE AND BOYS' SUITS, SPORTCOATS, AND OUTER WEARING APPAREL—NAMELY, TOPCOATS AND SNOW SUITS.
Claims use since Sept. 1, 1943.

Ser. No. 465,319. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Nov. 26, 1943.

Silvertown

FOR HEELS, SOLES AND HALF SOLES OF RUBBER.
Claims use since Oct. 14, 1943.

Ser. No. 465,684. KRESGE DEPT. STORE INC., Newark, N. J. Filed Dec. 10, 1943.

KRESMOOR

FOR OVERCOATS, COATS, SUITS, AND UNDERWEAR FOR MEN, BOYS AND CHILDREN; BLOUSES AND HATS FOR WOMEN; OUTER SHIRTS, DRESS SHIRTS AND NECKTIES FOR MEN AND BOYS; SHOES AND GLOVES OF LEATHER AND/OR FABRIC; HOSIERY; AND SWEATERS.
Claims use since July 1, 1943.

Ser. No. 466,070. BIG JACK MANUFACTURING COMPANY, INC., Bristol, Va. Filed Dec. 27, 1943.

BIG JACK

FOR MEN'S AND BOYS' OVERALLS, MEN'S WORK SHIRTS, MEN'S FLANNEL SHIRTS, MEN'S AND BOYS' WORK PANTS AND MEN'S AND BOYS' COATS.
Claims use since August 1920.

Ser. No. 466,571. THE DAYTON COMPANY, Minneapolis, Minn. Filed Jan. 14, 1944.

OVAL ROOM

FOR WOMEN'S AND MISSES' COATS, DRESSES, SUITS, FUR COATS AND FUR JACKETS.
Claims use since Aug. 31, 1942.

Ser. No. 466,788. JULIUS GARFINCKEL & CO., INCORPORATED, Washington, D. C. Filed Jan. 22, 1944.

GREENBRIER

FOR LADIES', MISSES', AND GIRLS' SUITS, DRESSES, SKIRTS, COATS, WAISTS, SWEATERS, RIDING HABITS, KNICKERBOCKERS, BATHING SUITS, SCARFS, STOCKINGS, ALL LEATHER GLOVES, AND GLOVES OF ALL FABRIC, AND GLOVES OF COMBINED LEATHER AND FABRIC, AND HATS.
Claims use since Dec. 28, 1922.

Ser. No. 467,114. SPIEGEL NECKWEAR CO., INC., New York, N. Y. Filed Feb. 2, 1944.

Melbroke

FOR MEN'S NECKTIES AND SCARFS.
Claims use since Jan. 17, 1944.

Ser. No. 467,151. PHILIP FERTIG, doing business as Hollywood "Al," New York, N. Y. Filed Feb. 4, 1944.

HOLLYWOOD "AL"

Applicant disclaims the word "Hollywood" apart from the mark.
FOR MEN'S TROUSERS.
Claims use since April 1941.

Ser. No. 467,408. C. B. SHANE CORPORATION, Chicago, Ill. Filed Feb. 14, 1944.

Two Timer
THE COAT THAT LEADS
A DOUBLE LIFE

The words "The Coat That Leads a Double Life" are disclaimed apart from the mark.
FOR MEN'S, BOYS', WOMEN'S AND GIRLS' OVERCOATS AND TOP COATS.
Claims use since Feb. 8, 1944.

Ser. No. 467,474. TAILORED SILK UNDERGARMENT CO. INC., New York, N. Y. Filed Feb. 16, 1944.

Shar-elle

FOR WOMEN'S AND MISSES' SLIPS AND NIGHT GOWNS.
Claims use since Feb. 9, 1944.

Ser. No. 467,491. H. L. B. CORPORATION, New York, N. Y. Filed Feb. 17, 1944.

SNO-BEES

The word "Sno" is disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, BOYS' AND GIRLS' LEATHER SPORT COATS AND JACKETS.
Claims use since Jan. 5, 1943.

Ser. No. 467,500. JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed Feb. 17, 1944.

GOBIAN

FOR MEN'S AND YOUNG MEN'S TOPCOATS AND OVERCOATS.
Claims use since January 1932.

Ser. No. 467,513. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Feb. 18, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

SANFORIZADO

FOR OUTER SHIRTS AND UNDERWEAR.
Claims use since March 1938.

Ser. No. 467,557. BROWNING KING & CO., INC., Philadelphia, Pa. Filed Feb. 19, 1944.

Social Set

FOR LADIES' AND MISSES' SUITS AND COATS.
Claims use since Jan. 2, 1943.

Ser. No. 467,623. SMITHKEN & KLEINMAN, New York, N. Y. Filed Feb. 21, 1944.

NORTH PEAK

FOR BOYS', GIRLS' AND CHILDREN'S COATS, SUITS, COAT AND SUIT COMBINATIONS AND LEGGING SETS.
Claims use since Dec. 15, 1942.

Ser. No. 467,738. RAMBO & REGAR, INC., Norristown, Pa. Filed Feb. 24, 1944.

Pot-O-Gold

FOR HOSIERY.
Claims use since Feb. 9, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 455,172. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 29, 1942.

DAMASKACEL

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Aug. 27, 1942.

Ser. No. 464,156. CROWN FABRICS CORPORATION, New York, N. Y. Filed Oct. 15, 1943.

CROWNSHAN

FOR TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF.
Claims use since 1940.

Ser. No. 464,159. CROWN FABRICS CORPORATION, New York, N. Y. Filed Oct. 15, 1943.

WINNIE WAFFLE

Applicant disclaims the word "Waffle" apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK RAYON AND MIXTURES THEREOF.
Claims use since 1939.

Ser. No. 466,968. THE B. V. D. CORPORATION, Baltimore, Md. Filed Jan. 29, 1944.

B.V.D.

No claim is made to the outline of the lable per se.
FOR COTTON PIECE GOODS.
Claims use since Jan. 12, 1944.

Ser. No. 467,514. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Feb. 18, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

SANFORIZADO

FOR PIECE GOODS OF COTTON, LINEN, WOOL, SILK, RAYON, AND COMBINATIONS THEREOF.
Claims use since March 1938.

CLASS 43

THREAD AND YARN

Ser. No. 467,242. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Feb. 7, 1944.

NUPRON

FOR RAYON YARN.
Claims use since Dec. 8, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 466,998. LYON RURAL ELECTRIC COMPANY, San Diego, Calif. Filed Jan. 29, 1944.

Debeaker

FOR MACHINE FOR TRIMMING THE UPPER BEAK OF A FOWL.
Claims use since Aug. 11, 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 454,051. PHILIP FRANCIS BARR, doing business as Associated Food Factors, New York, N. Y. Filed July 4, 1942.

Nuly

FOR CANNED FRUITS AND FRUIT JUICES; CANNED VEGETABLES AND VEGETABLE JUICES; CANNED SOUPS; CANNED FISH; CANNED PUREE; CANNED CATSUP; CANNED TOMATO SAUCE; CANNED CHILI SAUCE; CANNED TOMATO PASTE; CANNED DOG FOOD; DRIED FRUITS IN CARTONS AND CASES; NUTS IN CARTONS AND BAGS; BEANS AND PEAS CANNED FRESH OR DRIED IN CANS, CARTONS AND BAGS; OLIVES, CANNED, RIPE, GREEN, CURED, PITTED, UNPITTED AND STUFFED, ALL GRADES, SIZES AND STYLES OF PACK IN CANS, GLASS, KEGS, DRUMS AND BARRELS; OLIVE OIL ALL GRADES AND ACIDITIES IN KEGS, DRUMS AND BARRELS; PIMIENTOS IN CANS, GLASS, KEGS, DRUMS AND BARRELS; VINEGAR IN GLASS, KEGS, DRUMS AND BARRELS.
Claims use since Aug. 2, 1933.

Ser. No. 461,397. WENATCHEE VALLEY FOODS, INC., North Wenatchee, Wash. Filed June 14, 1943.

For You

FOR CANNED FRUITS AND VEGETABLES.
Claims use since January 1940.

Ser. No. 463,506. CHASERS, INC., New York, N. Y. Filed Sept. 20, 1943.

Banana Split

The word "Banana" is disclaimed apart from the mark.
FOR CANDY.
Claims use since Sept. 3, 1943.

Ser. No. 463,871. MAX KARP, doing business as Valevista Ranch Co., Palmdale, Calif. Filed Oct. 4, 1943.

V BAR V

FOR FRESH CANTALOUPES, WATERMELONS, PEARS, PEACHES, ASPARAGUS, TOMATOES, AND PEAS.
Claims use since Aug. 29, 1943.

Ser. No. 466,463. D. F. STAHMANN, doing business as Stahmann Farms, Las Cruces, N. Mex. Filed Jan. 10, 1944.

DEL CERRO

The trade-mark "Del Cerro" means "of the hill or ridge" in Spanish.
FOR FRESH MELONS AND FRESH VEGETABLES.
Claims use since 1930.

Ser. No. 467,077. FLOYD N. SMITH, doing business as Floyd N. Smith Co., Phoenix, Ariz. Filed Feb. 1, 1944.

BLUE CHIP

FOR FRESH VEGETABLES.
Claims use since Dec. 14, 1943.

Ser. No. 467,398. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Feb. 14, 1944.

ACK ACK

FOR CANDY.
Claims use since Jan. 15, 1944.

Ser. No. 467,764. MANOS & WOOD, San Diego, Calif. Filed Feb. 25, 1944.

WOODEN HAND

FOR FRESH VEGETABLES.
Claims use since July 16, 1943.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 455,992. D. L. WHEATON, Los Angeles, Calif. Filed Oct. 5, 1942.

WAR PRODUCTIONEERS

Applicant is the owner of Reg. No. 400,341.
FOR IDENTIFICATION TAGS MADE OF CELLULOID, FABRIC OR METAL.
Claims use since Sept. 26, 1942.

Ser. No. 465,129. JOHN B. CUNEO, Brooklyn, N. Y. Filed Nov. 19, 1943.

LUMENART

FOR RELIGIOUS AND GIFT STATUES, STATUETTES, ARTIFICIAL FLOWERS, WALL PLACQUES, FIGURINES AND LIKE NOVELTIES FOR CHURCH AND HOME DECORATION.
Claims use since Mar. 24, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 25, 1944

406,743. HYPNOTIC, ANESTHETIC, AND SEDATIVE PREPARATIONS IN TABLET FORM. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 6, 1940. Serial No. 438,563. PUBLISHED NOVEMBER 25, 1941. Class 6.

406,744. BLANK FORMS—NAMELY, ORDER BLANKS AND BOOKS, DATA BOOKS, FOLDERS, ACCOUNTING FORMS, STATEMENTS, ETC. FURNITURE SALES SERVICE CORPORATION, Chicago, Ill.
Filed April 26, 1941. Serial No. 443,001. PUBLISHED FEBRUARY 15, 1944. Class 37.

406,745. WRAPPERS. MCCRORY STORES CORPORATION, New York, N. Y.
Filed September 26, 1941. Serial No. 447,341. PUBLISHED FEBRUARY 17, 1942. Class 37.

406,746. PAINT ROOF COATINGS COMPRISING AN ASPHALT BASE AND A THINNER FOR CONSTRUCTION MATERIALS—NAMELY, ASPHALT ROOF COATING COMPRISING AN ASPHALT BASE, ETC. THE CELOTEX CORPORATION, Chicago, Ill.
Filed January 8, 1942. Serial No. 450,064. PUBLISHED FEBRUARY 15, 1944. Class 16.

406,747. DISINFECTANT WITH CLEANSING PROPERTIES. W. H. PLUNKETT, doing business as Plunkett Chemical Company, Chicago, Ill., assignor to Plunkett Trust, Chicago, Ill., a common-law trust.
Filed February 3, 1942. Serial No. 450,687. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,748. BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, REFRESHING CREAMS, VANISHING CREAMS, ETC. NICHOLAS W. ORLOFF, New York, N. Y., assignor to Jean Vivaudou Company, Inc., New York, N. Y., a corporation of New York.
Filed November 25, 1942. Serial No. 457,045. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,749. PRE-COOKED BEANS SOLD IN DRIED FORM. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill.
Filed December 30, 1942. Serial No. 457,663. PUBLISHED FEBRUARY 15, 1944. Class 46.

406,750. PHOTOGRAPHIC PAPERS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed March 27, 1943. Serial No. 459,402. PUBLISHED FEBRUARY 15, 1944. Class 26.

406,751. IMPORTED MEXICAN POTTERY CANDY BOXES, POTTERY FLOWER CONTAINERS, POTTERY COOKIE JARS, POTTERY GINGER JARS, AND POTTERY BOWLS. D. RODITI SONS, INC., doing business as Modmexic Guild, New York, N. Y.
Filed April 3, 1943. Serial No. 459,604. PUBLISHED FEBRUARY 15, 1944. Class 30.

406,752. RUM, BRANDY, GIN, AND WHISKEY. CASA RECALT, S. A., Habana, Cuba.
Filed June 14, 1943. Serial No. 461,361. PUBLISHED NOVEMBER 16, 1943. Class 49.

406,753. TRADE JOURNAL. CHRYSLER CORPORATION, Highland Park, Mich.
Filed June 21, 1943. Serial No. 461,540. PUBLISHED FEBRUARY 8, 1944. Class 38.

406,754. POULTRY AND LIVESTOCK FEEDS—NAMELY, POULTRY MASH FEED; FINE SCRATCH GRAINS; MEDIUM SCRATCH GRAINS, ETC. INTERNATIONAL ELEVATOR COMPANY, Minneapolis, Minn.
Filed August 5, 1943. Serial No. 462,542. PUBLISHED DECEMBER 14, 1943. Class 46.

406,755. NEWSPAPER COMIC STRIPS PUBLISHED SERIALLY. NATIONAL NEWSPAPER SERVICE, Chicago, Ill.
Filed August 7, 1943. Serial No. 462,590. PUBLISHED FEBRUARY 1, 1944. Class 38.

406,756. INSECT REPELLENTS. GABY COMPANY, Philadelphia, Pa.
Filed August 25, 1943. Serial No. 462,992. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,757. PRUNE BUTTER. MAX AMS, INC., also doing business as Pittsburgh Importing and Manufacturing Company, New York, N. Y.
Filed August 31, 1943. Serial No. 463,114. PUBLISHED FEBRUARY 1, 1944. Class 46.

406,758. ELECTRIC RECORDING UNITS FOR ENCEPHALOGRAPHS, CARDIOGRAPHS AND THE LIKE. RAHM INSTRUMENTS, INC., New York, N. Y.
Filed September 8, 1943. Serial No. 463,278. PUBLISHED FEBRUARY 15, 1944. Class 26.

406,759. WINES. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain.
Filed September 17, 1943. Serial No. 463,465. PUBLISHED FEBRUARY 1, 1944. Class 47.

406,760. MATERIALS FOR USE IN INDUSTRIAL PHOTOGRAPHY—NAMELY, PRIMERS, THINNERS, NITROCELLULOSE LACQUERS, LUMINESCENT LACQUERS, OVERCOATING LACQUERS AND MASKING LACQUERS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed September 25, 1943. Serial No. 463,646. PUBLISHED FEBRUARY 15, 1944. Class 16.

406,761. BRAKE LINING FOR AUTOMOBILE BRAKES. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed September 30, 1943. Serial No. 463,798. PUBLISHED FEBRUARY 15, 1944. Class 35.

406,762. ALBUMS, BLOTTING PAPER, FOLDERS FOR PHOTOGRAPHS AND THE LIKE, LENS CLEANING PAPER, FOLDING POCKET CASES, POCKET FOLDERS, WAX PAPER, PHOTOGRAVURE TISSUE, PENCILS, LOOSE LEAF BINDERS AND FILLERS THEREFOR. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed October 1, 1943. Serial No. 463,812. PUBLISHED FEBRUARY 15, 1944. Class 37.

406,763. GAMES EMPLOYING PLAYING BOARDS AND MOVABLE PIECES. BARRETT, MOONAN & JOHNSON INCORPORATED, New York, N. Y.
Filed October 2, 1943. Serial No. 463,832. PUBLISHED FEBRUARY 15, 1944. Class 22.

406,764. SCRIPTS FOR MONOLOGUES, DIALOGUES, DRAMATIC SKETCHES, GAMES, AND RADIO BROADCASTS, SUCH SCRIPTS SOLD AS A PUBLICATION IN TRADE. ERNEST V. STIPP, Waterloo, Iowa.
Filed October 6, 1943. Serial No. 463,960. PUBLISHED FEBRUARY 1, 1944. Class 38.

406,765. WINES. STANDARD DISTILLERS PRODUCTS INCORPORATED, Baltimore, Md.
Filed October 13, 1943. Serial No. 464,116. PUBLISHED FEBRUARY 1, 1944. Class 47.

406,766. POTATOES IN THEIR NATURAL STATE. WOODBURY L. BERCE, Washburn, Maine.
Filed October 18, 1943. Serial No. 464,213. PUBLISHED FEBRUARY 15, 1944. Class 46.

406,767. PERIODICAL PUBLICATION PERTAINING TO THE LUMBER INDUSTRY. GEORGIA HARDWOOD LUMBER COMPANY, Augusta, Ga.
Filed October 27, 1943. Serial No. 464,436. PUBLISHED FEBRUARY 8, 1944. Class 38.

406,768. LADIES' AND MISSES' COATS, SUITS, JACKETS, AND SKIRTS. DONNYBROOK COAT AND SUIT CO., New York, N. Y.
Filed October 29, 1943. Serial No. 464,504. PUBLISHED FEBRUARY 15, 1944. Class 39.

406,769. POLYVALENT METAL SOAPS OF HIGHER FATTY ACIDS HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. METASAP CHEMICAL COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,655. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,770. SULFONATED RED OIL HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,660. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,771. SULFONATED CASTOR OIL HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,662. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,772. LEATHER SPONGING COMPOUND ADAPTED TO INTRODUCE FAT INTO THE GRAIN OF SOLE AND LIKE LEATHERS. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,665. PUBLISHED FEBRUARY 15, 1944. Class 4.

406,773. SULFONATED VEGETABLE OIL HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 3, 1943. Serial No. 464,667. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,774. DIAMOND TOOLS—NAMELY, GRINDING WHEEL FINISHING AND DRESSING TOOLS, DIAMOND POINTED AND CLUSTER TOOLS, ETC. LARCO DIAMOND TOOLS, New York, N. Y.
Filed November 9, 1943. Serial No. 464,858. PUBLISHED FEBRUARY 8, 1944. Class 23.

406,775. SOOTHING SKIN OINTMENT. DANDRO COMPANY, INC., Brooklyn, N. Y.
Filed November 11, 1943. Serial No. 464,915. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,776. TROUSER AND CLOTHES HANGERS. BURT E. LLOYD, Milford, Pa.
Filed November 11, 1943. Serial No. 464,922. PUBLISHED FEBRUARY 15, 1944. Class 50.

406,777. PREPARATION FOR REPELLING AND KILLING MOTHS, LARVAE, AND FOR REDUCING HUMIDITY, STOPPING DAMPNESS, AND ELIMINATING MUSTY ODORS. HILL MANUFACTURING COMPANY, Atlanta, Ga.
Filed November 15, 1943. Serial No. 464,994. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,778. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. F. J. SAVERIA, doing business as F. J. Saveria Co., Watsonville, Calif.
Filed November 16, 1943. Serial No. 465,048. PUBLISHED FEBRUARY 15, 1944. Class 46.

406,779. ANTI-FREEZING LIQUIDS. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed November 18, 1943. Serial No. 465,097. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,780. WOMEN'S PETTICOATS, PANTIES, AND COMBINATION PETTICOATS AND PANTIES. LEONORE B. COOLEY, New York, N. Y.
Filed November 18, 1943. Serial No. 465,102. PUBLISHED FEBRUARY 15, 1944. Class 39.

406,781. RUM. COMPAÑIA DE DESTILERIAS INTERNACIONALES, INC., Bayamon, P. R.
Filed November 19, 1943. Serial No. 465,125. PUBLISHED FEBRUARY 15, 1944. Class 49.

406,782. MAGAZINE DEPARTMENT OR SECTION. HEARST MAGAZINES INC., New York, N. Y.
Filed November 19, 1943. Serial No. 465,138. PUBLISHED FEBRUARY 8, 1944. Class 38.

406,783. COMMERCIAL PRINTS, DRAWINGS, AND PRINTED ART LAYOUTS. SID-WIL PRODUCTS, New York, N. Y.
Filed November 19, 1943. Serial No. 465,154. PUBLISHED FEBRUARY 15, 1944. Class 38.

406,784. WATER HARDENING CHROME-VANADIUM-TUNGSTEN DIE STEEL. ACKERLIND STEEL COMPANY, INC., New York, N. Y.
Filed November 20, 1943. Serial No. 465,171. PUBLISHED FEBRUARY 15, 1944. Class 14.

406,785. HIGH-CARBON, HIGH-CHROME, AIR-HARDENING TOOL STEEL. ACKERLIND STEEL COMPANY, INC., New York, N. Y.
Filed November 20, 1943. Serial No. 465,172. PUBLISHED FEBRUARY 15, 1944. Class 14.

406,786. INFANTS', CHILDREN'S, BOYS', GIRLS', AND LADIES' SOCKS. TOPPS HOSIERY, INC., New York, N. Y.
Filed November 23, 1943. Serial No. 465,236. PUBLISHED FEBRUARY 15, 1944. Class 39.

406,787. LADIES' AND GIRLS' PLAYSUITS AND SPORTSWEAR—NAMELY, BATHING SUITS, SHORTS, SHIRTS, SLACKS, SKIRTS, COATS AND TOPCOATS, DRESSES, JACKETS, HALTERS, AND BRASSIÈRES. LOUIS GEIGER, INC., New York, N. Y.
Filed November 24, 1943. Serial No. 465,257. PUBLISHED FEBRUARY 8, 1944. Class 39.

406,788. WOMEN'S, LADIES', AND GIRLS' KNITTED SPORTSWEAR—NAMELY, SWEATERS, DRESSES, SUITS, AND BATHING SUITS. WEBER KNIT SPORTSWEAR, INC., New York, N. Y.
Filed November 24, 1943. Serial No. 465,278. PUBLISHED FEBRUARY 15, 1944. Class 39.

406,789. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS CONDITIONS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed November 29, 1943. Serial No. 465,376. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,790. PHONOGRAPH NEEDLES. DUOTONE COMPANY, New York, N. Y.
Filed December 1, 1943. Serial No. 465,418. PUBLISHED FEBRUARY 15, 1944. Class 36.

406,791. DRESSES FOR THE USE OF CHILDREN AND GIRLS. ELODIA DRESS CORP., New York, N. Y.
Filed December 2, 1943. Serial No. 465,453. PUBLISHED FEBRUARY 15, 1944. Class 39.

406,792. TRADE JOURNAL OR PUBLICATION PUBLISHED AT IRREGULAR INTERVALS. LEEDS AND NORTHRUP COMPANY, Philadelphia, Pa.
Filed December 2, 1943. Serial No. 465,460. PUBLISHED FEBRUARY 1, 1944. Class 38.

406,793. PHONOGRAPH NEEDLES. GAROD ELECTRONICS CORPORATION, New York and Brooklyn, N. Y.
Filed December 3, 1943. Serial No. 465,474. PUBLISHED FEBRUARY 15, 1944. Class 36.

406,794. PERFUMES AND TOILET WATERS. LANDER CO. INC., New York, N. Y.
Filed December 3, 1943. Serial No. 465,479. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,795. NEWSPAPER COLUMN. TRIBUNE COMPANY, Chicago, Ill.
Filed December 3, 1943. Serial No. 465,492. PUBLISHED FEBRUARY 1, 1944. Class 38.

406,796. ALLERGENS. REICHEL LABORATORIES, INC., Philadelphia, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
Filed December 4, 1943. Serial No. 465,512. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,797. HAND LOTION. BRISTOL-MYERS COMPANY, New York, N. Y.
Filed December 6, 1943. Serial No. 465,525. PUBLISHED FEBRUARY 8, 1944. Class 6.

406,798. THERMOMETER WELLS, AND PENS FOR RECORDING INSTRUMENTS. THE BRISTOL COMPANY, Waterbury, Conn.
Filed December 8, 1943. Serial No. 465,613. PUBLISHED FEBRUARY 15, 1944. Class 26.

406,799. THERMAL CONVERTERS FOR USE IN MEASURING ELECTRICAL POWER. THE BRISTOL COMPANY, Waterbury, Conn.
Filed December 8, 1943. Serial No. 465,616. PUBLISHED FEBRUARY 15, 1944. Class 26.

406,800. MEN'S SUITS AND TOPCOATS. LEBOW BROTHERS, Baltimore, Md.
Filed December 8, 1943. Serial No. 465,628. PUBLISHED FEBRUARY 8, 1944. Class 39.

406,801. LADIES' FULL FASHIONED SILK, NYLON, AND RAYON HOSIERY. TEL-A-FREND HOSIERY COMPANY, Philadelphia, Pa.
Filed December 8, 1943. Serial No. 465,641. PUBLISHED FEBRUARY 8, 1944. Class 39.

406,802. TOILET SOAPS. LIGHTFOOT SCHULTZ CO., New York, N. Y.
Filed December 14, 1943. Serial No. 465,757. PUBLISHED FEBRUARY 15, 1944. Class 4.

406,803. TOILET SOAPS. LIGHTFOOT SCHULTZ CO., New York, N. Y.
Filed December 14, 1943. Serial No. 465,759. PUBLISHED FEBRUARY 15, 1944. Class 4.

406,804. TOILET SOAPS. LIGHTFOOT SCHULTZ CO., New York, N. Y.
Filed December 14, 1943. Serial No. 465,760. PUBLISHED FEBRUARY 15, 1944. Class 4.

406,805. FRESH VEGETABLES. PETE MARTINEZ & BROS., Guadalupe, Calif.
Filed December 14, 1943. Serial No. 465,761. PUBLISHED FEBRUARY 15, 1944. Class 46.

406,806. BOWLING BALL BAGS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 16, 1943. Serial No. 465,794. PUBLISHED FEBRUARY 15, 1944. Class 22.

406,807. MEN'S, BOYS', WOMEN'S, AND GIRLS' OVERCOATS AND TOPCOATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed December 16, 1943. Serial No. 465,831. PUBLISHED FEBRUARY 15, 1944. Class 39.

406,808. GELATIN. SWIFT AND COMPANY, Chicago, Ill.
Filed December 18, 1943. Serial No. 465,879. PUBLISHED FEBRUARY 15, 1944. Class 46.

406,809. VACUUM TUBE HEARING AIDS. BELTONE HEARING AID CO., Chicago, Ill.
Filed December 20, 1943. Serial No. 465,887. PUBLISHED FEBRUARY 15, 1944. Class 44.

406,810. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 20, 1943. Serial No. 465,899. PUBLISHED FEBRUARY 15, 1944. Class 38.

406,811. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 20, 1943. Serial No. 465,902. PUBLISHED FEBRUARY 15, 1944. Class 38.

406,812. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 20, 1943. Serial No. 465,903. PUBLISHED FEBRUARY 15, 1944. Class 38.

406,813. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 20, 1943. Serial No. 465,904. PUBLISHED FEBRUARY 15, 1944. Class 38.

406,814. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 20, 1943. Serial No. 465,912. PUBLISHED FEBRUARY 15, 1944. Class 38.

406,815. FRESH AVOCADOS. PHILIP E. ROSSETTI, Los Angeles, Calif.
Filed December 21, 1943. Serial No. 465,960. PUBLISHED FEBRUARY 15, 1944. Class 46.

406,816. RUM. COMPAÑIA LICORERA DE CARDENAS, S. A., Cárdenas, Matanzas, Cuba.
Filed June 9, 1943. Under Article 3, Convention and Protocol of Washington, 1929. Inter-American Series No. 1,346, Cuban 64,776. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

406,817. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) E. W. MCLELLAN CO., San Francisco, Calif. Filed Sept. 16, 1940. Serial No. 436,024.

Blu-Pak

FOR NATURAL FLOWERS.
Claims use since Sept. 4, 1940.

406,818. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) A & W BULB COMPANY, INC., Clearwater, Fla. Filed Feb. 24, 1942. Serial No. 451,184.

GOOD TO THE LAST BUD

FOR CUT FLOWERS—NAMELY, CUT GLADIOLUS.
Claims use since Feb. 18, 1942.

406,819. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis. Filed Mar. 27, 1942. Serial No. 451,933.

SINGLE-STAGE

FOR INCUBATOR AND HATCHER.
Claims use since Feb. 15, 1942.

406,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMPAÑIA SWIFT DE LA PLATA SOCIEDAD ANONIMA, Buenos Aires, Argentina. Filed Mar. 25, 1943. Serial No. 459,330.

EXETER

FOR CORNED BEEF, BRISKET BEEF, OX TONGUES, POTTED MEAT, SMOKED PICNIC, SPICED BOILED

BEEF, VIENNA STYLE SAUSAGES, SMOKED BACON, PORK TONGUES, QUINCE JAM, SAUERKRAUT, CANNED PEACHES, CANNED PEARS, CANNED TOMATOES, BUTTER, CANNED PEAS, CANNED ASPARAGUS, DRIED BEEF IN BALES, FAMILY BEEF IN BARRELS, MESS BEEF IN BARRELS, NAVEL BEEF IN BARRELS.
Claims use since 1920.

406,821. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSE ARECHABALA, S. A., Cardenas, Matanzas Province, Cuba. Filed Mar. 26, 1943. Serial No. 459,356.

ARECHABALA

FOR HARD AND SOFT CANDIES AND CHEWING GUN.
Claims use since February 1943.

406,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Borough of Lititz, Pa. Filed Mar. 26, 1943. Serial No. 459,387.

Dri-Sirup

FOR DEHYDRATED CHOCOLATE FLAVORED SYRUP FOR FOOD BEVERAGES AND OTHER FOOD PURPOSES.
Claims use since June 12, 1936.

406,823. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GUY E. BLOSS, doing business as Universal Sanitary Products Co., Portland, Oreg. Filed Apr. 17, 1943. Serial No. 459,953.

UNIVERSAL

FOR MOPS—NAMELY, FLOOR MOPS.
Claims use since Apr. 9, 1932.

406,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARNER & STEWART, Yuma, Ariz. Filed Apr. 26, 1943. Serial No. 460,205.

As Nature Made 'Em

FOR FRESH VEGETABLES AND MELONS.
Claims use since June 1941.

406,825. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS). PLANE FACTS, INC., New York, N. Y. Filed May 11, 1943. Serial No. 460,555.

PLANE PACKET

FOR INSTRUCTION GAME COMPRISING PHOTOGRAPHS AND SILHOUETTES.
Claims use since Feb. 26, 1943.

406,826. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ASCHE-BANDOR CORPORATION, New York, N. Y. Filed Oct. 2, 1943. Serial No. 463,828.

Ron Clarados Superior

FOR RUM.
Claims use since June 1939.

406,827. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) NORTHEASTERN LIQUOR CORP., Cambridge, Mass., assignor to Ron Virgin Company, Ltd., Cambridge, Mass., a firm. Filed Oct. 2, 1943. Serial No. 463,845.

JACK ROSE

FOR WHISKEY.
Claims use since 1901.

406,828. (CLASS 2. RECEPTACLES.) SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943. Serial No. 463,940.

BERKSHIRE

FOR PAPER BAGS.
Claims use since 1924.

406,829. (CLASS 2. RECEPTACLES.) SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943. Serial No. 463,947.

LINT-PROOF

FOR PAPER BAGS.
Claims use since 1940.

406,830. (CLASS 4). ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONTI PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Oct. 26, 1943. Serial No. 464,412.

Conti

FOR SOAP.
Claims use since April 1937.

406,831. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SCHAFFER'S GARAGE EQUIPMENT CORP., Woodside, Long Island, N. Y. Filed Nov. 10, 1943. Serial No. 464,899.

Vye

FOR AUTOMOTIVE SUPPLIES—NAMELY, A DETERGENT AUTO WASH CONCENTRATE SOLD TO THE AUTOMOTIVE AND GARAGE SERVICING FIELD.
Claims use since June 15, 1940.

406,832. (CLASS 32. FURNITURE AND UPHOLSTERY.) MIGUEL B. ACOSTA, doing business as House of "Lock-Tight," Los Angeles, Calif. Filed Jan. 3, 1944. Serial No. 466,269.

"LOCK-TIGHT"

FOR TIE RACKS.
Claims use since Nov. 5, 1941.

TRADE-MARK REGISTRATIONS RENEWED

24,599. **PORTRAIT AND SIGNATURE OF W. S. SPRINGSTEEN, M. D.** REMEDIES FOR DISEASES OF THE BLOOD, SKIN, SCALP, HAIR, RECTUM, AND FEMALE GENITAL ORGANS. Registered April 24, 1894. THE SPRINGSTEEN MEDICINE COMPANY, Cleveland, Ohio. Re-renewed April 24, 1944, to Garnet Roush, doing business as Springsteen Medicines, Amherst, Ohio, assignee.

180,060. **DELTA.** FRESH DECIDUOUS FRUITS. Registered February 19, 1924. JAMES F. ELLIOT, doing business as Stillwater Orchards Co. Renewed February 19, 1944, to David J. Elliot, doing business as Stillwater Orchards Co., Courtland, Calif., successor.

180,180. **HELIO.** DYES AND DYESTUFFS. Registered February 26, 1924. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Renewed February 26, 1944, to General Dyestuff Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

180,295. **COLOROTO MAGAZINE.** WEEKLY MAGAZINE SUPPLEMENT FOR A NEWSPAPER. Registered February 26, 1924. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 26, 1944.

180,595. **DILCOL.** SURFACE COATED AND UNCOATED PRINTING AND WRITING PAPERS. Registered March 4, 1924. DILL & COLLINS CO. Renewed March 4, 1944, to Dill and Collins Incorporated, Philadelphia, Pa., a corporation of Delaware, successor.

180,634. **ABBEY'S.** DRY CHEMICAL EFFERVESCENT SALT MIXTURE. Registered March 4, 1924. ABBEY EFFERVESCENT SALT CO., New York, N. Y. Renewed March 4, 1944, to The Abbey Effervescent Salt Co., Montreal, Quebec, Canada, a corporation of the Province of Quebec, Canada, assignee.

180,640. **"ABBEY'S" AND DRAWING.** DRY CHEMICAL MIXTURE OF HEALTH SALT. Registered March 4, 1924. ABBEY EFFERVESCENT SALT COMPANY, INC., New York, N. Y. Renewed March 4, 1944, to The Abbey Effervescent Salt Co., Montreal, Quebec, Canada, a corporation of the Province of Quebec, Canada, assignee.

180,882. **LARKIN.** SOAP IN CAKE, STICK, LIQUID, POWDERED, FLAKE, CHIP, AND PASTE FORM; POLISHES IN LIQUID, PASTE AND POWDERED FORM FOR LEATHER AND METAL; STOVE POLISH, WASHING TABLETS, AND OTHER CLEANING AND POLISHING PREPARATIONS. Registered March 11, 1924. LARKIN CO. INC. Renewed March 11, 1944, to Larkin Store Corporation, Buffalo, N. Y., a corporation of New York, assignee.

180,922. **NOR-EAST.** CLOTHS AND PIECE GOODS OF WOOLEN, WORSTED, MOHAIR, AND COTTON, AND ALSO PIECE GOODS MADE OF A COMBINATION OF TWO OR MORE OF THESE FIBERS. Registered March 11, 1924. B. PRIESTLEY & CO., INC., New York, N. Y., a corporation of New York. Renewed March 11, 1944.

180,923. **"FRESH-AIR."** CLOTHS AND PIECE GOODS OF WOOLEN, WORSTED, MOHAIR, AND COTTON, AND ALSO PIECE GOODS MADE OF A COMBINATION OF TWO OR MORE OF THESE FIBERS. Registered March 11, 1924. B. PRIESTLEY & CO., INC., New York, N. Y., a corporation of New York. Renewed March 11, 1944.

181,075. **BACOTE.** FLINT PAPER AND FLINT CLOTH, GARNET PAPER AND GARNET CLOTH, EMERY PAPER AND EMERY CLOTH, ARTIFICIAL ABRASIVE PAPER AND CLOTH. Registered March 11, 1924. BAEDER ADAMSON COMPANY, Boston, Mass. Renewed March 11, 1944, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware, assignee by mesne assignments.

181,912. **REPRESENTATION OF AN OWL AND MORTAR AND PESTLE.** SOAP, IVORY POLISH, GLOVE CLEANER, A LIQUID CLEANING PREPARATION FOR USE ON TEXTILE FABRICS, FULLER'S EARTH FOR DETERGENT PURPOSES, WHITING, POWDERED PUMICE STONE, AND OTHER CERTAIN NAMED CLEANING PREPARATIONS. Registered April 1, 1924. THE OWL DRUG COMPANY. Renewed April 1, 1944, to The Owl Drug Co., San Francisco, Calif., a corporation of Nevada, assignee by mesne assignments.

182,211. **SYNCARB.** REFRACTORY CRUCIBLES AND THEIR PARTS. Registered April 1, 1924. ROSS-TACONY CRUCIBLE CO., Tacony, Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 1, 1944.

182,471. **TENMOR.** COFFEE. Registered April 8, 1924. THE DERN FOOD COMPANY. Renewed April 8, 1944, to The Dern Company, Colorado Springs, Colo., a corporation of Colorado, by change of name.

182,642. **CUTICLE MOLDER.** CUTICLE OINTMENT OR SALVE. Registered April 15, 1924. THE LUSTRITE CORPORATION, Brooklyn, N. Y. Renewed April 15, 1944, to Corinthia, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

182,941. **"BASEBALL" AND DRAWING.** DOLLS. Registered April 22, 1924. ESTELLE V. ALLISON, New York, N. Y. Renewed April 22, 1944, to Estelle V. Allison, Burlingame, Calif.

183,344. **HIDNKIX.** CONFECTIONS CONSISTING OF A CANDY BODY HAVING A FLAVORED SIRUP CENTER CONTAINED WITHIN A SHELL OF A CRYSTALLIZED SUGAR EMBEDDED WITHIN THE CANDY. Registered April 29, 1924. OTTO MARTENS, San Francisco, Calif. Renewed April 29, 1944, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

183,504. **DUCO.** WOOD STAINS, FILLERS, DRY COLORS, INCLUDING DRY ANILINE WOOD-STAIN POWDERS, PREPARED SHELLAC, VARNISHES, THINNERS, PAINT ENAMELS, LACQUERS. Registered April 29, 1924. HENRY A. DEWEY COMPANY, INC., New York, N. Y. Renewed April 29, 1944, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee.

184,129. **RIALTO.** WHEAT FLOUR. Registered May 20, 1924. STAR MILLING COMPANY. Renewed May 20, 1944, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

184,149. **DUROBAR.** SPROCKET, DRIVE, CONVEYING, AND POWER-TRANSMISSION CHAINS USED FOR VARIOUS PURPOSES. Registered May 20, 1924. CHAIN BELT COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 20, 1944.

184,150. **UNICAST.** SPROCKET, DRIVE, CONVEYING, AND POWER-TRANSMISSION CHAINS USED FOR VARIOUS PURPOSES. Registered May 20, 1924. CHAIN BELT COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 20, 1944.

184,932. **PANTHER.** RUBBER HEELS AND SOLES. Registered June 3, 1924. PANTHER RUBBER MANUFACTURING COMPANY, Stoughton, Mass. Renewed June 3, 1944, to Panther-Panco Rubber Co., Inc., Chelsea, Mass., a corporation of Massachusetts, assignee.

184,933. **REPRESENTATION OF A PANTHER.** RUBBER HEELS AND SOLES. Registered June 3, 1924. PANTHER RUBBER MANUFACTURING COMPANY, Stoughton, Mass. Renewed June 3, 1944, to Panther-Panco Rubber Co., Inc., Chelsea, Mass., a corporation of Massachusetts, assignee.

184,970. **ELDORADO.** PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. Registered June 3, 1924. STANDARD OIL COMPANY OF NEW YORK. Renewed June 3, 1944, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, by change of name.

185,161. **"BOOTH'S CRESCENT" AND DRAWING.** CANNED FRUITS, CANNED VEGETABLES, CANNED FISH. Registered June 10, 1924. F. E. BOOTH CO. Renewed June 10, 1944, to F. E. Booth Company, Inc., San Francisco, Calif., a corporation of Nevada, assignee.

185,340. **CENTURION.** PINS—NAMELY, TOILET PINS, SAFETY PINS, KNITTING PINS, HATPINS, HAIRPINS, AND TIE PINS—NEEDLES, CROCHET HOOKS, BODKINS, ALL BEING GOODS OF ORDINARY METAL. Registered June 10, 1924. JAMES SMITH & SON (REDDITCH) LTD., Redditch, England, a corporation of England. Renewed June 10, 1944.

185,640. **"GOOD AS GOLD" AND DRAWING.** COTTON PIECE GOODS. Registered June 24, 1924. KELSEY TEXTILE CORPORATION. Renewed June 24, 1944, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, by change of name.

185,769. **FLANNOCRAT.** FLANNEL AND COTTON WORKSHIRTS. Registered June 24, 1924. FLANNOCRAT MFG. CO., INC. Renewed June 24, 1944, to Rugby Knitting Mills, Inc., Buffalo, N. Y., a corporation of New York, assignee.

185,807. **ELIZABETH ARDEN.** EDUCATIONAL APPLIANCES SOLD AS UNITS OR SETS, AND COMPRISING ILLUSTRATED CHARTS AND INSTRUCTIONS PRINTED THEREON AND SUPPLEMENTED BY INSTRUCTIONS RECORDED UPON SOUND-REPRODUCING DEVICES. Registered June 24, 1924. FLORENCE N. LEWIS. Renewed June 24, 1944, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

186,650. **"POWDER RIVER" AND DRAWING.** MEN'S HATS. Registered July 22, 1924. THE DENVER DRY GOODS COMPANY, Denver, Colo., a corporation of Colorado. Renewed July 22, 1944.

186,651. **"MEDICINE BOW" AND DRAWING.** MEN'S HATS. Registered July 22, 1924. THE DENVER DRY GOODS COMPANY, Denver, Colo., a corporation of Colorado. Renewed July 22, 1944.

186,652. **"CHUGWATER" AND DRAWING.** MEN'S HATS. Registered July 22, 1924. THE DENVER DRY GOODS COMPANY, Denver, Colo., a corporation of Colorado. Renewed July 22, 1944.

186,799. **DROMEDARY.** CANNED GRAPEFRUIT. Registered July 22, 1924. THE HILLS BROTHERS COMPANY, New York, N. Y., a corporation of New York. Renewed July 22, 1944.

186,921. **CELLUTIP.** SHOE LACES, CORSET LACES, AND MIDDY BLOUSE LACES. Registered July 22, 1924. BARTHELS MANUFACTURING COMPANY. Renewed July 22, 1944, to Barthels Manufacturing Company, Inc., Glendale, N. Y., a corporation of New York, successor.

187,081. **COLLEGE.** COTTON PIECE GOODS. Registered July 29, 1924. COHN-HALL-MARX CO., New York, N. Y., a corporation of New York. Renewed July 29, 1944.

187,082. **JUPITER.** COTTON PIECE GOODS. Registered July 29, 1924. COHN-HALL-MARX CO., New York, N. Y., a corporation of New York. Renewed July 29, 1944.

187,246. **"NORTH STAR" AND DRAWING.** STOCK AND POULTRY FEED. Registered July 29, 1924. WASHBURN CROSBY COMPANY. Renewed July 29, 1944, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

187,437. **REPRESENTATION OF THE STATUE OF LIBERTY.** READY-MIXED AND PASTE PAINTS, VARNISHES, UNDER-COATERS, AND PAINT ENAMELS, JAPANS, ZINC STOCK, STAINS, AND LEADS. Registered August 5, 1924. COLUMBIA VARNISH COMPANY, Los Angeles, Calif., a corporation of California. Renewed August 5, 1944.

187,444. **OHM-SPUN.** RESISTANCE UNITS AND BOXES AND FRAMES CONTAINING RESISTANCE UNITS. Registered August 5, 1924. THE STATES COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed August 5, 1944.

187,499. **KALWA.** PREPARATION FOR STOMACH AND INTESTINAL CONDITIONS, ESPECIALLY DYSPEPSIA AND CHRONIC CONSTIPATION. Registered August 5, 1924. DAVID WRÓBLEWSKI, New York, N. Y. Renewed August 5, 1944, to D. Stefan Wróblewski, Brooklyn, N. Y.

187,686. **PATRICIAN.** LADDERS. Registered August 12, 1924. THE JOHN S. TILLEY LADDERS CO., INC., Watervliet, N. Y., a corporation of New York. Renewed August 12, 1944.

187,710. **REPRESENTATION OF "CANADA PALE GINGER ALE" BOTTLE AND LABELS.** GINGER ALE. Registered August 12, 1924. CANADA DRY GINGER ALE, INC. Renewed August 12, 1944, to Canada Dry Ginger Ale, Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

187,714. **"SHAPESPEARE" AND DRAWING.** CIGARS. Registered August 12, 1924. SANCHEZ & HAYA CO. Renewed August 12, 1944, to Gradiaz, Annis & Co., Inc., Tampa, Fla., a corporation of Florida, assignee.

187,748. **DELCRAFT.** WOOL-FIBER RUGS. Registered August 12, 1924. DELTOX GRASS RUG COMPANY. Renewed August 12, 1944, to Deltox Rug Company, Oshkosh, Wis., a corporation of Wisconsin, assignee.

187,749. **DELFIBER.** FIBER RUGS. Registered August 12, 1924. DELTOX GRASS RUG COMPANY. Renewed August 12, 1944, to Deltox Rug Company, Oshkosh, Wis., a corporation of Wisconsin, assignee.

187,814. **SITEX.** DIASTATIC PREPARATION USED FOR SIZING, DESIZING, AND DEGUMMING OF FABRICS AND FOR THE PRODUCTION OF SIZINGS AND SOLUBLE STARCHES. Registered August 12, 1924. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES. Renewed August 12, 1944, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York, assignee.

188,055. **"SADDLE" AND DRAWING.** KNITTED BATHING SUITS AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. Registered August 19, 1924. RUGBY KNITTING MILLS. Renewed August 19, 1944, to Rugby Knitting Mills, Inc., Buffalo, N. Y., a corporation of New York, assignee.

188,102. **OLD RELIABLE.** CANNED FRUITS AND VEGETABLES. Registered August 19, 1924. ROY E. ROBERTS, doing business as Lord-Mott Co. Renewed August 19, 1944, to Lord-Mott Company, Inc., Baltimore, Md., a corporation of Maryland, assignee.

188,113. **REPRESENTATION OF A LOOM PICKER—ONE-HALF COLORED RED.** LOOM PICKERS. Registered August 19, 1924. CHARLES BOND COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 19, 1944.

188,114. **"FLAMING ARROW" AND DRAWING.** WHEAT FLOUR. Registered August 19, 1924. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita and Kansas City, Kans., and Kansas City, Mo. Renewed August 19, 1944, to The Moore-Lowry Flour Mills Company, Kansas City, Mo., a corporation of Kansas.

188,115. **"TOPPER" AND DRAWING.** WHEAT FLOUR. Registered August 19, 1924. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita and Kansas City, Kans., and Kansas City, Mo. Renewed August 19, 1944, to The Moore-Lowry Flour Mills Company, Kansas City, Mo., a corporation of Kansas.

188,211. **AERO.** FRESH LEMONS. Registered August 19, 1924. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif., a corporation of California. Renewed August 19, 1944.

188,212. **WELFARE.** FRESH LEMONS. Registered August 19, 1924. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif., a corporation of California. Renewed August 19, 1944.

188,227. **DAVID HARUM.** CANNED VEGETABLES—NAMELY, PEAS, BEANS, BOTH GREEN REFUGEE AND WAX; BEETS, PUMPKIN, CORN, AND TOMATOES. Registered August 19, 1924. DAVID HARUM CANNING CO., INC., Homer, N. Y., a corporation of New York. Renewed August 19, 1944.

188,228. **COLD BROOK.** CANNED VEGETABLES—NAMELY, PEAS, BEANS, BOTH GREEN REFUGEE AND WAX. Registered August 19, 1924. DAVID HARUM CANNING CO. INC., Homer, N. Y., a corporation of New York. Renewed August 19, 1944.

188,252. **"NCG CO" AND REPRESENTATION OF A SEAL.** CANNED VEGETABLES, CANNED FRUITS, CANNED BERRIES, WHEAT FLOUR, ROLLED OATS, PEANUT BUTTER AND TOMATO CATCHUP. Registered August 19, 1924. NEW CASTLE GROCERY CO. Renewed August 19, 1944, to New Castle Grocery Co., New Castle, Pa., a corporation of Pennsylvania, assignee.

188,254. **"STANLEY" AND DESIGN.** VISES, BIT BRACES, BREAST DRILLS, PLANES AND PARTS THEREOF, SCRAPERS FOR RUBBING DOWN OR RUBBING OFF A SURFACE, TOOTHING CUTTERS, AND OTHER CERTAIN NAMED TOOLS. Registered August 19, 1924. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed August 19, 1944.

188,267. **PALMDALE.** PICKLES. Registered August 19, 1924. A. F. WEINRICH, doing business as Weinrich Pickle Co. Renewed August 19, 1944, to Crown Products Company, Los Angeles, Calif., a copartnership, assignee by mesne assignments.

188,274. **NOBLE.** FRESH CITROUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES Registered August 19, 1924. WILLIAM G. ROE, Winter Haven, Fla. Renewed August 19, 1944.

188,352. **BOULEVARD.** SHEEP MANURE, POULTRY MANURE, AND CATTLE MANURE. Registered August 26, 1924. J. OLIVER JOHNSON, INC. Renewed August 26, 1944, to J. Oliver Johnson Seed Company, Chicago, Ill., a corporation of Illinois, assignee.

188,428. **REVERIE.** LIQUID PERFUME AND SACHET POWDERS. Registered August 26, 1924. ALFRED WRIGHT PERFUMER, INC. Renewed August 26, 1944, to Richard Hudnut, New York, N. Y., a corporation of New York, assignee.

188,434. **GLOVE COMPACT.** FACE POWDER AND ROUGE IN COMPACT FORM. Registered August 26, 1924. COLGATE & COMPANY. Renewed August 26, 1944, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

188,519. **"ORIENT" AND DRAWING.** FLOUR. Registered August 26, 1924. MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn., a corporation of Tennessee. Renewed August 26, 1944.

188,996. **PARATEST.** LUBRICATING OILS AND LUBRICANTS. Registered September 9, 1924. RASMUSSEN & CO., Portland, Oreg. Renewed September 9, 1944, to General Paint Corporation, San Francisco, Calif., a corporation of Nevada, assignee.

PLANT PATENTS

GRANTED APRIL 25, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

625

SEEDLESS NAVEL ORANGE TREE

Donald John Nicholson, Orlando, Fla.

No Drawing. Application December 3, 1941, Serial No. 421,526

1 Claim. (Cl. 47—62)

A new and distinct variety of navel orange tree substantially as described, characterized particularly by its much heavier juice content; its larger amount of acidity; its absence of dry juice-cells and ability to hold its juices; its higher ratios of sugars to acids; its higher content of soluble solids; its different flavor; its shorter maturing period after flowering, which is 6 to 6½ months; and its higher rate of productivity on sour orange rootstock; all as compared with the Washington navel orange.

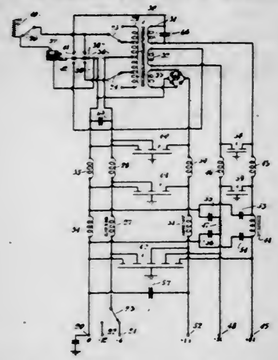
PATENTS

GRANTED APRIL 25, 1944

2,347,165
VIBRATOR OPERATED POWER SUPPLY

Robert J. Aust, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application May 29, 1942, Serial No. 445,021
3 Claims. (Cl. 171—97)

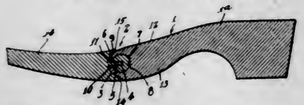


3. A vibrator power supply system comprising a transformer having a primary winding and two independent secondary windings, said windings differing from each other in number of turns, a D. C. source, and a vibrator for connecting said D. C. source to supply current alternately in opposite directions to said primary to thereby induce an alternating potential difference across each of said secondary windings, two pairs of cooperating contacts alternately closed by said vibrator in substantial synchronism with the reversals of potential difference in said secondary windings whereby one contact pair is closed where the potential difference is induced in one direction and the other pair is closed when the potential difference is in the opposite direction, and two independent power output circuits, each of said output circuits comprising a series arrangement of one of said secondary windings with one of said contact pairs, whereby said output circuits will supply unidirectional output current of two different voltages.

2,347,166
JOINTED SHOE SOLE

Julius Baer, Beverly Hills, Calif.

Application July 5, 1943, Serial No. 493,529
4 Claims. (Cl. 36—33)

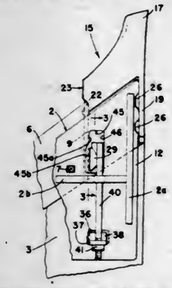


1. In a shoe sole, the combination of two members having a joint connection between the same, one of said elements having a transverse meeting edge for the joint having a convex cylindrical surface with its transverse axis extending through said member, said member having a socket therein in the form of a bore disposed on the said axis, the wall of said bore on the side toward the other member having a slot therein; the other of said members having a concave cylindrical face at its meeting edge operating as a socket for the said convex face, and having a tongue of less thickness than the width of said slot extending through the said slot into the said bore, said tongue having a cylindrical bolster at the inner end thereof, mounted to rock on its axis in the said bore, said slot and said tongue cooperating to permit flexing of said members at said joint to a limited degree.

2,347,167
PLOW BOTTOM

Herbert N. Baker, Syracuse, N. Y., assignor to Syracuse Chilled Plow Company, Inc., Syracuse, N. Y., a corporation of New York

Application October 6, 1941, Serial No. 413,755
17 Claims. (Cl. 97—125)

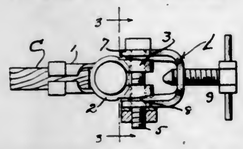


1. A plow bottom comprising a frog, a point adapted to be mounted on the upper face of said frog with a portion disposed against the landside face of the frog, a draw bolt mounted on the frog on the lower face thereof, and cooperating wedge lugs carried by said draw bolt and on the lower face of said point, said lugs having cooperating undercut surfaces, whereby tightening the draw bolt serves to hold the point down against the upper face of said frog, and said cooperating surfaces being disposed at an angle to the plane of the landside face of said frog, whereby tightening said draw bolt serves to force said part of the point laterally against the landside face of the frog.

2,347,168
STORAGE BATTERY TERMINAL

Lawrence R. Beckman, Erhard, Minn.

Application May 24, 1943, Serial No. 488,222
1 Claim. (Cl. 173—259)

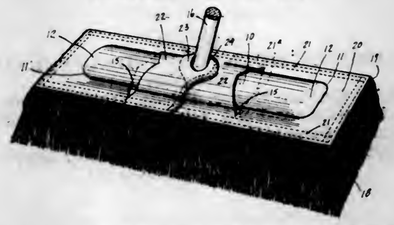


A battery terminal comprising a split member to be engaged around the post of a battery, a lever having transversely spaced ears between which the extremities of the members are disposed, means coacting with the extremities of the member and the ears of the lever for mounting the lever upon the member for swinging movement, means carried by the opposed faces of the ears for contact with the extremities of the member upon swinging of the lever in one direction for contracting the member, and an element threading through the lever and having a tapered portion to engage between the extremities of the member for expanding the member.

2,347,169
DUSTING MOP

Earnest L. Bennett, Indianapolis, Ind., assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind.

Application November 11, 1942, Serial No. 465,184
10 Claims. (Cl. 15—229)

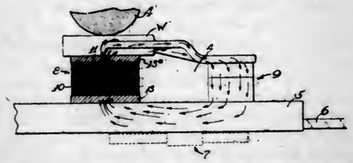


1. A mop for dusting and the like including an elongated block longitudinally slotted at each end, each slot extending toward but terminating short of the mid-portion, a handle for the block and secured thereto intermediate the block ends, and a pair of similar mop heads, each having at one end a pocket of restricted volume for nesting therein one slot formed portion of the block end for mophead rotation prevention, a sleeve forming portion at the opposite end for enveloping the block adjacent the handle mounting portion thereof, the head being freely slidable longitudinally on to and from said block, and means carried by the head projecting toward the handle for handle encirclement to prevent such sliding for mop head retention upon the block.

2,347,170
APPARATUS FOR HOLDING WORKPIECES

Ray A. Brown and Axel Anderson, Rockford, Ill.

Application June 23, 1941, Serial No. 399,286
3 Claims. (Cl. 175—367)

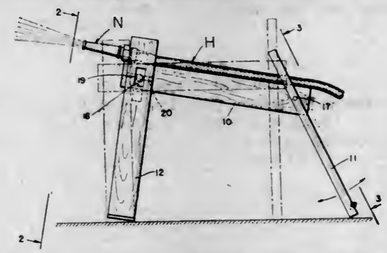


1. In an apparatus for magnetically chucking a magnetizable work piece, the combination of a magnetizable support, an electromagnet core structure, structurally separate from said support, and adapted to be positioned at any desired point thereon for interposition between said support and a portion of a magnetizable work piece rested on the core structure, whereby the portion of the work resting on said core structure will be separated from the support by a high reluctance air gap bridged by the core structure, and means for establishing a flow of flux in an orbital path traversing said core structure substantially from end to end and including both the work piece and said support and in which path flows the major portion of the flux passing through said core structure.

2,347,171
SUPPORT FOR GARDEN HOSE

Stanley J. Brown, Elm Grove, Wis., assignor to Met'l-Top Tables Inc., Milwaukee, Wis., a corporation of Illinois

Application June 12, 1943, Serial No. 490,613
6 Claims. (Cl. 248—84)



5. A support for garden hose comprising a frame constituted of a bar-like beam, means supporting the rearward end of the frame in spaced relation to the ground, a hose guide at the rearward end of the beam for positioning the hose in supporting engagement with the top of the beam, and a pair of legs supporting the front end of the beam and pivotally interconnected therewith for rocking movement transversely with respect thereto, the upper ends of the members of the pair of legs projecting above the frame and being adapted to grip the nozzle of a hose to position it and to cooperate with the frame and the hose guide to support and secure the hose in position.

2,347,172
ELECTRICAL CONTACT TIP AND METHOD OF MAKING SAME

Irvin W. Cox, West Allis, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application November 12, 1942, Serial No. 465,350
12 Claims. (Cl. 200—166)

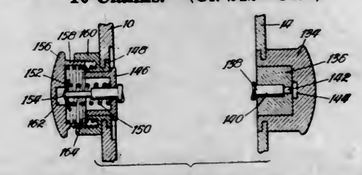


1. A pressure molded electrical contact member composed of a metal powder, said member having a metal screen embedded in and rigidly united with the rear face thereof, said screen being adapted to facilitate proper welding or brazing of said member to a metal support.

2,347,173
FISHING REEL

Joseph A. Coxe, Los Angeles, Calif., and Richard P. McMahon, Bronson, Mich., assignors to Bronson Reel Company, Bronson, Mich., a corporation of Michigan

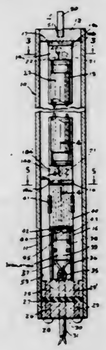
Application October 9, 1939, Serial No. 298,586
10 Claims. (Cl. 242—84.5)



4. A fishing reel comprising, in combination: a frame; a spool having a shaft; bearings in said

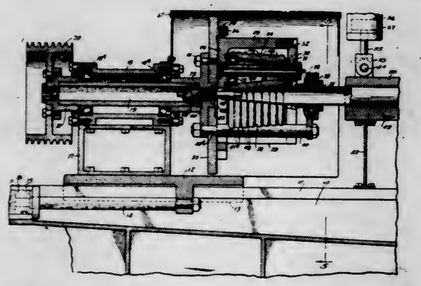
frame for said spool shaft; one of said bearings including a housing, and an intermediate member rotatably supported in said housing and in turn supporting said shaft; said housing and intermediate member having opposed plane abutment faces normal to the shaft axis; one of said faces having a closed central recess through which said axis passes.

2,347,174
INSPECTION LIGHT
Kenneth M. Cross, Glendale, and Joseph J. W. Stephens, South Pasadena, Calif.
Application September 29, 1943, Serial No. 504,230
9 Claims. (Cl. 240—11.4)



1. An inspection light comprising a hollow, transparent, cylindrical body, an elongated supporting bar in said body, said bar including a front portion and a rear portion secured together, said front and rear portions being spaced to provide a lead receiving chamber, spaced upwardly directed flanges on said bar, said flanges having portions arranged to engage the inner surface of the tubular member, a pair of spaced socket members supported on said bar, the socket members being opposed, and a fluorescent light tube having terminals engaging said socket members.

2,347,175
MACHINE FOR END TAPERING METAL TUBING
Clarence L. Dewey, Elkhart, Ind.
Application August 29, 1942, Serial No. 456,587
6 Claims. (Cl. 80—13)



6. In a machine for tapering the ends of tubing, the combination of a clamp for engaging a tube at a point remote from the end to be tapered, a plurality of reducing rolls standing in circumferentially spaced relation around the tube axis and presenting their acting surfaces in progressively closer relation to said axis from the receiving to the discharge ends of said rolls, a shaft for rotatably mounting each of the rolls, a head plate and inwardly extending arms secured thereto for supporting the opposite ends of the respective shafts, a spindle secured to the head plate and outwardly extending therefrom, and power means for rotating the spindle, a carriage for mounting the spindle and parts carried thereby, means for advancing and retracting the carriage, and a pilot mandrel concentric with the tube axis and entered through the head plate in position to enter the reduced end of the tube to true and smooth the same.

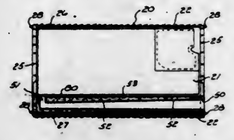
2,347,176
FRAME FOR MOUNTING AND SUPPORTING MIRRORS
Halbert Creston Doner, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 11, 1940, Serial No. 344,951
5 Claims. (Cl. 40—152)



1. A frame for glass mirror plates and the like portable as a unit, comprising a pair of end members, each of said members having a groove in one edge for receiving the end of the plate and a finger notch in the opposite edge, and a pair of side members, each of said side members having a flange overlying the edge portion of the plate and a flange extending behind the same, said side members being secured to the end members at their respective ends to produce a supporting and carrying frame for said plate, the side members being provided with cut-out portions at each end to receive supporting means carried upon a vertical support to effect vertical hanging of said frame and plate whereby the said frame may be either hung in a vertical position or supported in a horizontal position without disassembly of any of its parts.

2,347,177
VACUUM CLEANER
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application October 9, 1939, Serial No. 298,608
3 Claims. (Cl. 183—51)

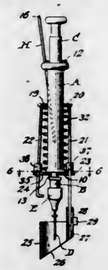
1. A vacuum cleaner filter unit cover comprising a pair of end plates, each of said plates having means thereon to mount the same on said cleaner; means extending between said plates to maintain them in a spaced relationship; an impervious cover fitted over said plates and removably secured thereto; closure means on said cover; and means to discharge air from said cover, said means comprising a tube connected to the atmosphere and surrounded by a porous sound absorbing material.



2,347,178
REVERSIBLE EMULSION AND APPLICATION THEREFOR
James H. Fritz, Montclair, and Edwin A. Robinson, Chatham, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 7, 1942, Serial No. 425,856
15 Claims. (Cl. 252—312)

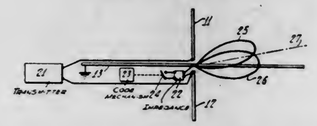
1. A reversible emulsion of water in oil, the active emulsifying ingredient of which comprises chiefly a cationic surface acitve fatty amino compound, the fatty residue of which contains at least 10 carbon atoms and no hydrophilic groups, the amino compound being adjusted with acid to have a pH of about 6.0 or less in 2% aqueous solution.

2,347,179
ATTACHMENT FOR HYPODERMIC SYRINGES
Horace P. Gorman, Rye, N. Y.
Application September 15, 1943, Serial No. 502,445
6 Claims. (Cl. 128—218)



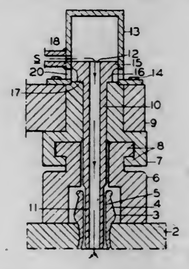
6. An attachment for hypodermic syringes including a frame member embracing the barrel longitudinally thereof with the syringe needle and plunger protruding respectively from opposite ends thereof, a supporting member with which the frame member is associated for guided longitudinal limited sliding movement, said supporting member having an apertured head through which the upper plunger end of the barrel freely extends and having a pair of legs extending along opposite sides of the syringe barrel, a needle guard carried by one of the legs of the supporting member and formed with an oblique lower end adapted to engage with the skin to dispose the axis of the attachment together with the axis of the syringe needle at an angle to the skin, means for normally moving the frame member and the syringe with reference to the supporting member so as to project the point of the needle beyond the plane of the oblique lower end of the needle guard, and releasable detent means for holding said frame member and syringe retracted against the action of said means with the point of the needle disposed above the oblique lower end of the needle guard.

2,347,180
DIRECTIONAL RADIO BEAM FOR BLIND LANDINGS
Carl-Erik Granqvist, Stockholm, Sweden, assignor to Aga-Baltic Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application February 14, 1942, Serial No. 430,903
In Sweden January 13, 1941
3 Claims. (Cl. 250—11)



1. A radio transmitter for blind landing on air-ports, comprising a dipole antenna having two cooperating dipole antenna half parts and a grounded screen therebetween extending in a plane normal to said half parts, one of the dipole antenna half parts being connected with the screen through an impedance, a radio frequency generator energizing said antenna to propagate signals therefrom, short circuiting contacts connected in parallel with the said impedance, and a periodically acting code mechanism actuating said contacts to periodically short circuit said impedance in timed sequence for forming code signals.

2,347,181
BOTTLE BLOWING MACHINE
Harry P. Cox, Jr., Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application January 25, 1943, Serial No. 473,444
15 Claims. (Cl. 49—18)

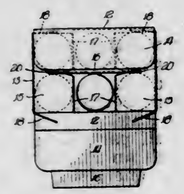


1. In a bottle blowing machine, the combination of a blow mold in which a parison of glass with a substantially completely formed neck finish is received for final blowing, a gauge movable to a position within the neck of a parison received in said blow mold and displaceable upon engagement with a choke in the neck, means for directing air from a source to the parison to be blown in said blow mold, and means controlled by the position of said gauge for admitting blowing air to said blow mold.

2,347,182
PREPARATION OF POLYMERIC SULPHIDES
Donald Drake Coffman, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 21, 1941, Serial No. 375,367
7 Claims. (Cl. 260—79)

1. A process for making polymeric sulphides which comprises reacting a mixture of a dithiol and a diene hydrocarbon containing only ethylenic unsaturation by subjecting said mixture to heat, and continuing the reaction at least 48 hours until a viscous to solid polymer is obtained, said dithiol being of the general formula HSRSH in which R is a divalent hydrocarbon radical.

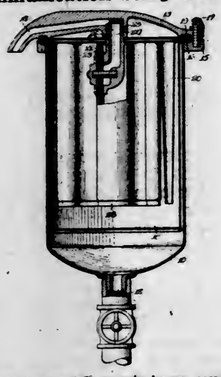
2,347,183
CONTAINER
Walton B. Crane, Los Angeles, Calif., assignor to Alpak, Los Angeles, Calif., a copartnership
Application February 16, 1942, Serial No. 431,024
2 Claims. (Cl. 229—28)



1. A shipping package constituting a die-cut single foldable blank of material, which comprises a bottom panel defined by score lines, and extensions adjoining said bottom panel, said end extensions having integral end and partial top walls overlying end marginal portions of said bottom panel and transverse partitions defined by score lines, said transverse partitions being separated from each other and said partial top walls being bifurcated centrally and outwardly past a line defining their longitudinal axis and forming slots therein, side extensions joining said bottom panel and said side extensions having integral side walls, top wall portions and longitudinal partitions defined by score lines, said last named top wall portions overlying said partial top walls and extending marginally and arcuately inwardly of the edge of the end walls with said longitudinal partitions abutting each other and being interlockingly and frictionally engaged with said bifurcated partial top walls to hold said carton in erect and locked position, and a cushioning and spacing element disposed in a plane intermediate the bottom panel and top wall structures and having apertures therein adapted interlockingly to receive and frictionally engage said adjacent longitudinal partitions and said spaced apart transverse partitions.

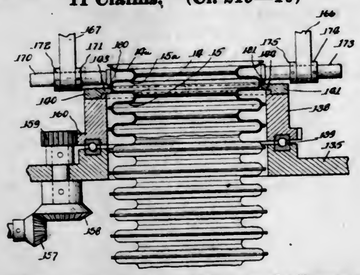
2,347,184
FILTERING DEVICE OR THE LIKE
Herbert L. Dick and Chauncey B. Oliver, Chicago, Ill., assignors to Tested Appliance Company, Chicago, Ill., a corporation of Nevada
Application November 9, 1935, Serial No. 49,086
Renewed February 2, 1939
3 Claims. (Cl. 210—131)

1. A refill cartridge comprising a shippable, sealed container, a filter charge adapted to be a wet charge in operation, and a filter medium disposed within said container, an inlet tube mounted to the wall of said container in the upper portion thereof, a removable seal closing the inlet tube, a communication being established to the



filter charge in said container upon removal of said seal, an outlet leading from said filter medium through the top of said container, a removable seal closing the outlet of said container, said outlet being adapted for detachable connection within a pressure filter shell.

2,347,185
WELDING METHOD AND APPARATUS
David Wendell Fentress, Hubbard Woods, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application October 6, 1939, Serial No. 298,235
11 Claims. (Cl. 219—10)

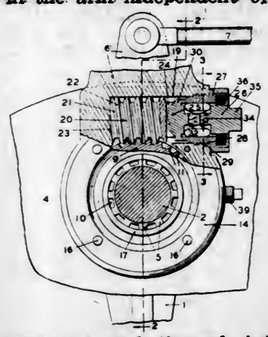


1. The method of making a bellows of the superposed profiled plate type, which comprises welding the inner peripheral edges of superposed pairs of annular profiled plates whereby to form individual sets of pairs of plates, arranging the welded sets of pairs of plates in superposed relation, and welding the outer peripheral plate edges of said sets of plates together whereby to form the bellows construction.

2,347,186
SLACK ADJUSTER
Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 14, 1942, Serial No. 468,889
8 Claims. (Cl. 74—522)

1. In a slack adjusting mechanism for association with an actuating shaft and comprising an actuating arm, a worm wheel rotatably supported in the arm and adapted to be secured to the actuating shaft, a worm mounted in the

arm and cooperating with the worm wheel, an adjusting shaft for turning the worm, said shaft being separate from the worm and rotatably mounted in the arm independent of the worm

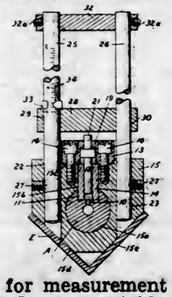


and adjacent one end thereof, interengaging means between the worm and the adjusting shaft, and means for yieldably holding the shaft in different positions to which it may be rotated.

2,347,187
ENAMELING
Leon J. Frost, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 7, 1942, Serial No. 429,953
7 Claims. (Cl. 106—48)

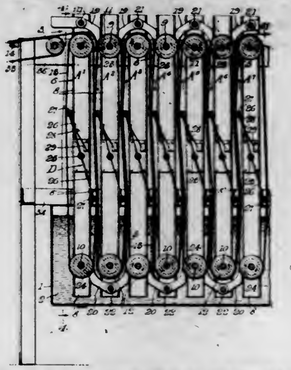
1. A frit composition for forming vitreous enamels containing 32 to 58 per cent silica, 6 to 16 per cent zirconium oxide, 4 to 9 per cent titanium oxide, ½ to 3½ per cent phosphorus pentoxide, less than 3½ per cent alumina, 6 to 14 per cent boric anhydride, 13 to 20 per cent soda and 2½ to 11 per cent fluorine.

2,347,188
MUZZLE PRESSURE INDICATOR
John C. Garand, Springfield, Mass.
Application April 2, 1942, Serial No. 437,369
3 Claims. (Cl. 265—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



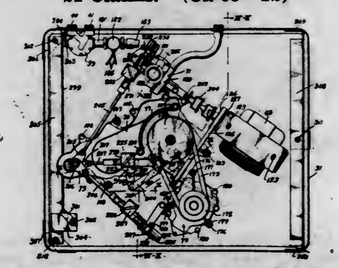
3. A device for measurement of gas pressure developed by a firearm cartridge within a barrel comprising a base member arranged to surround the barrel, vertical guide members mounted in the base member, a weight mounted for vertical movement on the guide members, a cylinder chamber in the base member means arranged to supply a portion of the gases developed within the barrel to said cylinder chamber, a piston mounted in said cylinder chamber and arranged to abut the base of said weight whereby energy imparted to said piston by the gas is transmitted by impact to the weight, raising it a measurable distance, and means for indicating the maximum height reached by said weight.

2,347,189
PHOTOGRAPHIC DEVELOPING MACHINE
George C. Garraway, Rutherford, N. J.
Application February 2, 1942, Serial No. 429,150
10 Claims. (Cl. 95—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A photographic developing machine comprising, in combination, a tank adapted to contain a treating fluid, a plurality of interchangeable frame members individually removably mounted in said tank, means including a plurality of endless belts mounted on said frame members and adapted to convey alternately material to be treated into and out of the treating fluid in said tank, and automatically adjustable holding means adapted to take up slack in said endless belts and retain them in frictional contact with each other without interfering with their separation and removal from the tank with said frame members.

2,347,190
AUTOMATIC WASHER
Peter Eduard Geldhof and Luther Ringer, St. Joseph, Mich., assignors to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application December 2, 1940, Serial No. 368,190
21 Claims. (Cl. 68—12)



1. In a washing machine, a member to be driven, means for driving said member, a reciprocating member, pivotally mounted means connecting said driving means with said reciprocating member, said pivotally mounted connecting means continually actuating said reciprocating member whenever said driving means is operat-

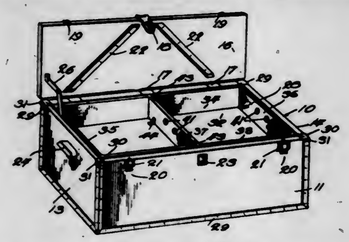
ing, clutch means movable to a position to couple selectively said member to be driven in driving connection with said driving means, and control means engageable with said reciprocating member for moving said clutch means to said position to couple said member to be driven to said driving means.

2,347,191
PROTECTIVE FOOTWEAR
Addeline J. McGillicuddy, Spokane, Wash., assignor of one-half to G. A. Kjosness, Spokane, Wash., and one-fifth to Bennett H. Levenson, Washington, D. C.
Application August 21, 1941, Serial No. 407,822
9 Claims. (Cl. 36—7.3)



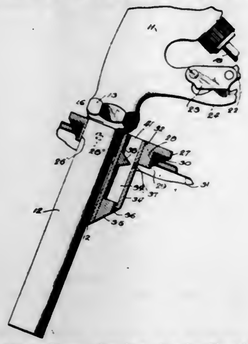
9. A galosh comprising a rubber supporting structure including top band, back strip, counter portion providing a heel cup, shank and sole, toe portion, a closure means attached on one end to said top band and on its other end to said toe portion, and wall panels of rubber-like water impervious resin of vinylite-V in sheet form fitted within the spaces determined by this supporting structure, a separator means, and means for attaching said wall panel through said separator means to said support structure.

2,347,192
TRUNK LOCKER
Letcher O. Grice, United States Army, Washington, D. C.
Application April 23, 1942, Serial No. 440,235
2 Claims. (Cl. 190—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



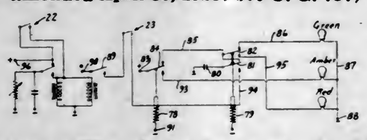
1. A trunk locker comprising a body portion, a hinged lid, stays secured to the lid and side walls of the body to retain the lid in a raised position, and a tray positioned within the upper part of the body, said tray being shorter than the longest dimension of the body and having bumper projections on the ends to prevent sliding movement of the tray and to provide spaces for the stays when the trunk lid is closed.

2,347,193
SIGNALING DEVICE
Lowell F. Hammand, Washington, D. C.
Application November 18, 1941, Serial No. 419,523
6 Claims. (Cl. 116—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a signaling device to indicate the liquid level within a container, a whistle including a passageway extending from the exterior of the container to the interior thereof, having its lower end in communication with the interior of the container and its upper end open to the atmosphere; a single whistling lip positioned within the passageway at a point at one side of the passageway only, and intermediate of the ends of the passage, substantially below the upper end of said passage and substantially above the lower end of said passage; a plug portion partially closing the lower end of said passage, said plug being provided with a vent substantially below the top of the container whereby air may be admitted at the lower end of the passageway, and a side air inlet constituting an opening in the passage wall remote from and above the vent, adjacent the whistling lip and below the top of the container, whereby air may be admitted from the interior of the container; said inlet being in exact alignment with the edge of the lip so that air entering said inlet will form a jet directed to impinge the edge of said lip the arrangement being such that as the container is filled air trapped therein will be simultaneously and inaudibly vented through the lower end of the passageway and through the side whistling inlet, and so that the lower end of the passageway may be closed by the rising level of liquid within the container to cause air to be vented through the side port only, to impinge the whistling lip and emit an audible signal.

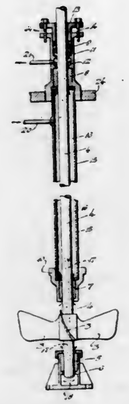
2,347,194
TRAFFIC CONTROL DEVICE
Theodore B. Holliday, Dayton, Ohio
Application August 31, 1940, Serial No. 354,985
6 Claims. (Cl. 177—337)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A signalling device having a plurality of signal indications adapted to be operated in a predetermined time interval sequence in response

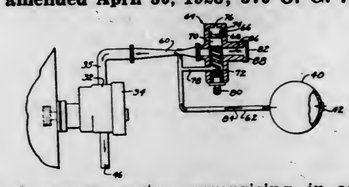
to a given stimulus, said device comprising a source of electrical energy for operating said signal indications, a condenser in circuit connection with said source of energy so as to be normally charged thereby, a plurality of relays adapted to be energized by said given stimulus, said relays having different operating current values and arranged so as to be operative to connect and disconnect said signal indications with said source of energy in said sequence, one of said relays being further effective to open the circuit from said potential to said condenser, and to close a circuit from said condenser to said relays, said condenser having sufficient capacity and said relays having constants such that the discharge of said condenser will maintain each of said relays closed for the interval of time from the initial energization thereof to the expiration of the time sequence of the indication being controlled by each said relay.

2,347,195
MEANS OF CONTACTING FLUID REACTANTS
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 25, 1942, Serial No. 444,328
9 Claims. (Cl. 259—23)



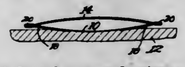
1. A mixer of the class described, adapted to be immersed in a mass of fluids to be mixed, comprising, in combination, an impeller mounted on a rotatable shaft journalled in and extending through a pair of spaced bearings disposed on one side of the impeller, housing means for said bearings, a sheath spaced from and extending about the shaft between said bearings to provide a confined zone therebetween, packing means for the shaft disposed outwardly of and spaced from the bearing most remote from the impeller and in the housing thereof, providing another confined zone about the shaft between the packing and the adjacent bearing, means for introducing fluid into the first named confined zone, said bearings being so fitted to the shaft that they permit restricted flow of fluid from the first named confined space between the shaft and the bearing adjacent the impeller into the mass of fluid in which the impeller is immersed and from the first named confined zone between the shaft and the bearing adjacent the packing into the second confined zone, and means for discharging fluid thus supplied to the latter zone therefrom.

2,347,196
VACUUM SYSTEM BOOSTER
Julius Hulman and Bernard Beaman, Dayton, Ohio
Original application August 6, 1941, Serial No. 405,673. Divided and this application January 5, 1942, Serial No. 425,678
5 Claims. (Cl. 230—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vacuum system comprising, in combination, an enclosure within which a vacuum is to be created, a pump, means containing a duct from the atmosphere to the pump inlet, said means including a vacuum-openable valve and a venturi, said venturi being between said valve and said inlet, a passageway connecting said enclosure to the throat of said venturi, and means containing an opening connecting the said passageway to the vacuum-openable valve to open said valve and connect the pump inlet to the atmosphere.

2,347,197
INFLATABLE TOURNIQUET AND FASTENER THEREFOR
Elie J. La Liberte, Springfield, Mass.
Application July 14, 1941, Serial No. 402,294
4 Claims. (Cl. 128—327)

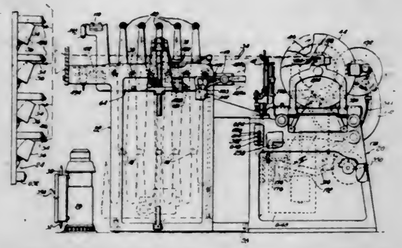


1. As an article of manufacture, a bag adapted to be used as a tourniquet and comprising an inner membrane of thin flexible material, said bag having an outer wall of greater rigidity overlying said membrane and extending beyond its edges, strips associated with said outer wall at its edges underlying said edges of said membrane leaving a narrow central portion of the latter exposed, the latter being secured to said strips, and means in said bag adapted to admit fluid or air thereinto, the outer wall and said strips forming a reinforcement for said membrane at its lateral edges to prevent bulging thereof under pressure in the bag, when it is attached to a human limb, and to prevent rolling of said bag on the limb, the combined width of said strips and exposed portion of the membrane approximately equalling the width of the outer wall so that the bag is substantially flat when uninflated.

2,347,198
ELECTRICAL CONTROL SYSTEM FOR THE OPERATION OF BRAKING MEANS OF WARPING OR BEAMING PLANTS
Fritz Lambach, Tenafly, N. J.
Original application November 21, 1941, Serial No. 419,832. Divided and this application November 2, 1942, Serial No. 464,228
36 Claims. (Cl. 28—51)

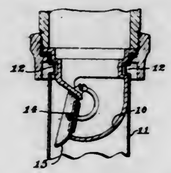
1. In an electrical control system for the operation of braking means of a warping or beaming plant, the combination of a source of current, an electromotor for driving a beam, a motor circuit for connecting the source of current with said

electromotor, at least one circuit opening switch for causing an interruption of said motor circuit, an electrical actuating device for the operation of the braking means, a brake circuit including said electrical actuating device, and an



electrical control responsive to an interruption of said motor circuit for changing the electrical condition of said brake circuit so as to cause an actuation of said electrical actuating device for an actuation of the braking means.

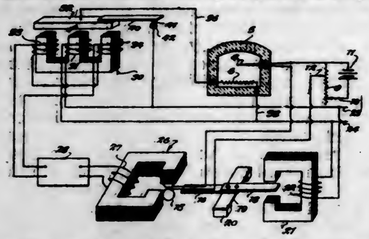
2,347,199
CHECK VALVE DEVICE
Jesse D. Langdon, Downey, Calif.
Application January 28, 1942, Serial No. 428,601
2 Claims. (Cl. 251—118)



1. A check valve device including a tubular casing having an inlet and an exit and an airport through its wall, a valve body supported within said casing and having its inlet disposed across said casing inlet to receive liquid flowing therethrough and its outlet directed toward the airport through the wall of the casing, a pivotally mounted valve disc member biased into normal closing engagement with said body outlet and swingable toward the airport; and an extension of said valve disc member projecting downwardly and obliquely toward said tubular casing adjacent the airport at such an angle when the valve disc is in closing relationship with the valve body that liquid rising in said casing will impinge upon said oblique extension to cause said valve disc member to swing into seating engagement with the airport.

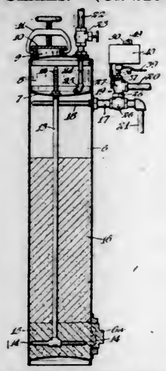
2,347,200
METHOD AND APPARATUS FOR EFFECTING ELECTRICAL MEASUREMENTS
Henry Lehde, Brooklyn, N. Y.
Application July 9, 1942, Serial No. 450,258
6 Claims. (Cl. 236—69)

3. Apparatus for controlling a condition associated with the flow of direct current in an electric circuit, comprising a coil in said electric circuit, a second coil, a vibrating element varying the inductive relation of said coil with said second coil, means amplifying the alternating current voltage induced in said second coil, and means combining the magnetic field produced by said amplified alternating current with a magnetic field synchronized with said vibrating element, said last named means being responsive to phase



reversal of said amplified alternating current to control said condition.

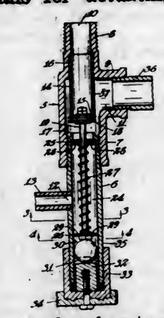
2,347,201
WATER SOFTENING APPARATUS
Lynn G. Lindsay, Chicago, Ill.
Application February 2, 1942, Serial No. 429,155
4 Claims. (Cl. 210—24)



1. Water softening apparatus comprising, a pressure tank containing a body of water softening material of the type requiring periodic regeneration means for supplying water to said tank, means for supplying a regenerating solution to said body, an outlet for liquid connected to said tank, a soft water service pipe, a waste pipe, a valve casing having a port communicating with said outlet and additional ports communicating respectively with the service pipe and waste pipe, spaced parallel seats, formed in the casing, a head movable to close against either of said seats to control the direction of flow through the casing, a longitudinally movable valve stem connected to said head, manually operable means for setting said head in closed position against one of said seats for placing the tank outlet in communication with the waste pipe and time controlled means operable independently of the presence of regenerating solution in the apparatus for automatically reversing the movement of said stem to close said head against the other seat and thereby place the tank outlet in communication with the service pipe.

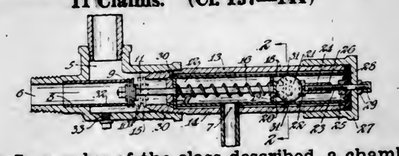
2,347,202
MULTIPLE PORT VALVE
Lynn G. Lindsay, Chicago, Ill.
Application February 2, 1942, Serial No. 429,156
3 Claims. (Cl. 137—144)

2. In combination with a casing formed with an inlet port, a plurality of outlet ports and a plurality of valve seats, a valve having a head movable between said seats to control the flow of liquid from said inlet port to the respective outlet ports, a chamber communicating with one of said ports, a liquid-dissolvable member inserted in said chamber in operative relation to said valve, means for admitting liquid to said chamber, means for normally actuating said head to closed position against one of said seats and manually operable means for actuating said dissolvable



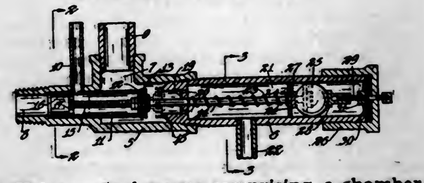
member in said chamber to move said head to closed position against another of said seats, the force required to close the valve and to retain it in closed position against the second seat being transmitted through said member and said member being dissolvable in the liquid in said chamber to automatically change the direction of flow through the casing.

2,347,203
MULTIPLE PORT VALVE
Lynn G. Lindsay, Chicago, Ill.
Application April 18, 1942, Serial No. 439,483
11 Claims. (Cl. 137—144)



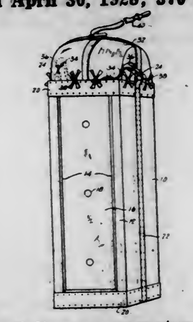
6. In a valve of the class described, a chamber adapted to receive a soluble body, contact members disposed in said chamber to engage opposite faces of such body therein, a valve head, a seat for said head, means operatively connecting said head to one of said contact members, manually operable means for actuating the valve head to closed position against its seat and for placing said soluble body under compression and resilient means for transmitting the force of compression to said soluble body.

2,347,204
MULTIPLE PORT VALVE
Lynn G. Lindsay, Chicago, Ill.
Application May 29, 1942, Serial No. 444,943
8 Claims. (Cl. 137—144)



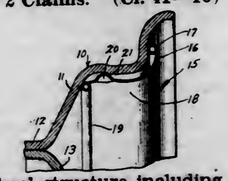
1. Valve control means comprising, a chamber, conduits for causing flow of liquid under pressure through said chamber, a valve member held in closed position by a soluble body positioned in said chamber, said soluble body being exposed to liquid in said casing, means for actuating said valve member to open position, an outlet disposed to receive liquid when said member is in open position and a conduit disposed to supply liquid from an independent source for affecting the relative fluid pressures on opposite faces of said valve member respectively.

2,347,205
AERIAL DELIVERY CONTAINER FOR PARATROOPS
William L. Lindsey and Harry Wilson, Fort Benning, Ga.
Application April 8, 1942, Serial No. 438,099
1 Claim. (Cl. 244—138)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



Parachute delivery apparatus comprising, in combination, a container in the form of a small wooden closet, sheet metal bands completely surrounding said container, one at the top edge and one at the bottom edge, a U shaped sheet metal strap extending across the bottom and up the sides of the container, and secured to the top and bottom bands, rings for attaching parachute risers at the upper ends of said U shaped sheet metal strap, fastening means for a parachute pack around the upper edge of the container, a door in the front of said container slidable vertically in said sides and in back of said metal bands, whereby continuity of said bands is maintained, a thick layer of felt secured to the bottom within said container, and loose vertical partitioning boards extending from the top of the felt layer to the top of the space within said container.

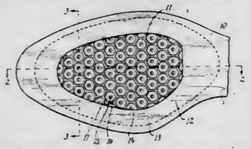
2,347,206
ORNAMENTAL WHEEL TRIM RING
George Albert Lyon, Allenhurst, N. J.
Application November 25, 1940, Serial No. 366,973
2 Claims. (Cl. 41—10)



2. In a wheel structure including a wheel and a multi-flange drop center type rim having a shoulder formed by an annular tire bead receiving depression in an inner surface of a flange of said rim which depression provides on the outer side of the same flange an annular shoulder,

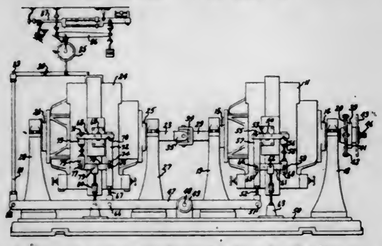
an ornamental member for snap-on retaining cooperation with the wheel rim comprising an annulus having a generally radially extending outer edge portion and a generally axially extending continuous annular body portion, said body portion being indented at a plurality of spaced points and the indentations being formed into a plurality of outwardly and radially extending spaced bumps formed resilient so as to be sprung over and into member retaining engagement with said shoulder of the wheel rim, said annulus having at least one of its two edges reenforced and with said bumps positioned transversely between said edges and said annulus also having a rear portion thereof formed and arranged to abut a radial flange of said rim when the member is pressed home into retained engagement with the rim.

2,347,207
VENTILATED INSOLE
Meyer Margolin, Elgin, Ill.
Application November 22, 1940, Serial No. 366,574
2 Claims. (Cl. 36—3)



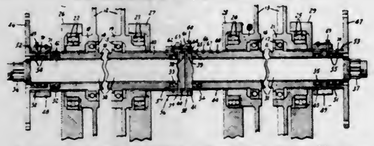
1. In combination an insole and a resilient insert, said insert comprising a thick central portion and a peripheral lap extending over said insole, and means for securing said lap to said insole, said insert having cavities on its underside, adjacent cavities having relatively thin common walls, said cavities being polygonal in shape, said walls comprising resilient material, and openings leading from said cavities to the upper side of said insert, said thick central portion extending beyond the plane of said insole.

2,347,208
TORQUE MEASURING DEVICE
Harold M. Martin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1943, Serial No. 471,103
10 Claims. (Cl. 265—24)



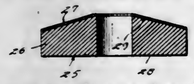
1. A torque measuring device including a pair of rotatable members and a pair of relatively rotatable torque reaction members adapted to cooperate with said rotatable members, means for rotatably supporting said torque reaction members, means including a quill shaft for rotatably supporting one of said rotatable members, means including another shaft for rotatably supporting the other of said rotatable members, means for connecting said quill shaft to a driving means, means extending substantially coaxially through said quill shaft for connecting said other shaft to a driving means, means for connecting together said shafts and for connecting said shafts to a common source of power, and means for measuring the combined torque reaction of all of said torque reaction members.

2,347,209
TORQUE MEASURING DEVICE
Burr S. Weaver, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 22, 1943, Serial No. 476,670
11 Claims. (Cl. 265—24)



1. A torque measuring device including a pair of rotatable members and relatively rotatable torque reaction members adapted to cooperate with said rotatable members, means for rotatably supporting said torque reaction members, a quill shaft for each of said rotatable members, means for rotatably supporting said quill shafts, a second shaft through each of said rotatable members, means for rotatably supporting said second shafts, and means for connecting each of said rotatable members to driving means at either end thereof including a pair of coupling elements each rotatably supported on a different one of said second shafts adjacent the outer ends thereof, means for connecting either of said quill shafts to one of said second shafts, means for connecting said quill shafts to the coupling elements adjacent the outer ends thereof for connection to driving means, and means for connecting the outer end of each of said second shafts to a driving means.

2,347,210
WASHER
Harry Beisher, Meeker, Shickshinny, Pa.
Application June 20, 1941, Serial No. 399,027
3 Claims. (Cl. 51—195)

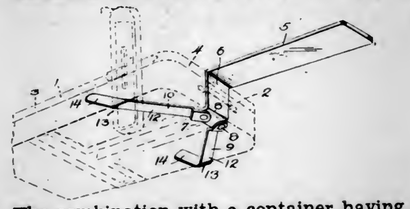


1. A combined abrading and sealing washer for a faucet of the type having a valve seat for coaction with said washer; comprising a one-piece yieldable body part constituting a sealing member, an abrasive substance and an adhesive removably securing said abrasive substance directly to one face of said body, said one face constituting a sealing face upon removal of said abrasive substance.

2,347,211
COMPOSITION OF MATTER FOR USE AS SEALERS AND THE LIKE
Grant S. Merrill, St. Paul, Minn., and Gordon P. Hollingsworth, Detroit, Mich., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application March 16, 1939, Serial No. 262,176
7 Claims. (Cl. 260—755)

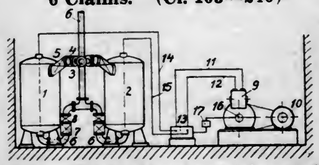
1. A composition of matter having utility as a sealer which comprises reclaimed rubber, asphalt, a mixture of rosin and a rosin soap which mixture has an acid number much lower than that of untreated rosin, a finely divided clay, and a material of the nature of short fibre asbestos, said asphalt being present to the extent by weight of at least about twice that of said reclaimed rubber, said mixture of rosin and rosin soap being present to a greater extent by weight than said reclaimed rubber and said clay being present to a greater extent than said reclaimed rubber, the materials named being disseminated in a volatile solvent to provide a spreadable, viscous mass at room temperatures.

2,347,212
HOLDER FOR SELF-HEATING RATION CONTAINERS
Nicholas Thomas Naranick, United States Army, Casper, Wyo.
Application May 27, 1943, Serial No. 488,710
6 Claims. (Cl. 294—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



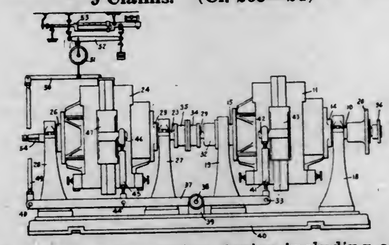
1. The combination with a container having a loop at its end, of a holder comprising, a handle portion having a horizontally arranged handhold portion, a downwardly extending vertical portion, adapted to extend through said loop and a forwardly extending portion at the lower end of said vertical portion, adapted to extend beneath and support the container, right and left supporting arms having upwardly extending portions at their outer ends pivotally mounted at their inner ends on said forwardly extending portion of the handle, said arms extending from their pivots divergently along the bottom and up their respective sides of the container, adapted to support and laterally retain the container on the holder.

2,347,213
PNEUMATIC DEVICE FOR RAISING AND CONVEYING SEMI SOLIDS
Georg Neidl, Berlin, Germany; vested in the Alien Property Custodian
Application November 14, 1940, Serial No. 365,724
In Germany May 9, 1940
6 Claims. (Cl. 103—240)



1. A pneumatic system for raising and conveying semisolids, such as mud, pulp and the like, comprising a plurality of containers suitably filled with the semi-solids to be raised and conveyed, a discharge and conveying pipe in which the semi-solids discharged into and conveyed through it are first raised to a predetermined level and then conveyed in substantially horizontal direction to their place of destination, connecting branches from said discharge and conveying pipe to said containers, an air-compressor, pipe connections between said air-compressor and said containers to supply compressed air to said containers to eject the charge, and adjustable controlling means arranged in the path of said pipe connections to alternately control the supply of compressed air from said air-compressor to said containers, said adjustable controlling means being directly and regulatably driven by said air compressor and adapted to control the connection between said air-compressor and said containers in such a way that said containers are alternately connected with said air-compressor for a period of time adjustable at the controlling means and terminating at the moment when, after the completed discharge of the semi-solids from said containers into said discharge and conveying pipe by the compressed air, a cushion of air of predetermined volume and length has been formed behind the ejected charge in the discharge and conveying pipe, whereby, in the course of the continuously and uninterruptedly progressing ejecting and conveying operation, each of the ejected charges is followed and separated from the next following charge in the discharge and conveying pipe by a cushion of air of predetermined and substantially uniform volume and length.

2,347,214
TORQUE MEASURING DEVICE
Lauren D. Nordstrum, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 1, 1941, Serial No. 391,356
9 Claims. (Cl. 265—24)

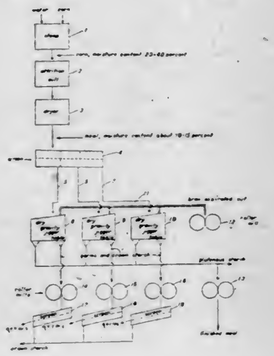


1. A torque measuring device including a plurality of rotatable members and a corresponding plurality of relatively rotatable torque reaction members adapted to cooperate with said rotatable members, coaxial means for connecting said rotatable members to driving means for rotation of different of said rotatable members in different directions, a force indicating device, and means including a lever detachably connected to said torque reaction members and connected to said force indicating device for measuring the separate and combined torque reaction of said torque reaction members.

2,347,215
DEGERMINATION OF CORN
Ellis Charles Pattee, Cincinnati, Ohio, assignor to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia
Application June 14, 1940, Serial No. 340,478
3 Claims. (Cl. 83—42)

1. In the separation of corn kernels into their constituent substances, by a process which includes steeping such kernels to a moisture content between twenty percent (20%) and forty percent (40%), milling such kernels thereby producing a milled corn broken to the extent necessary to separate the bran, the glutenous

starch and the germs and crown starch, drying the milled corn so produced to a moisture content substantially between ten percent (10%) and fifteen percent (15%) and the separation of the milled corn into fractions of different sizes by screening, each such fraction containing



germs and crown starch and glutenous starch; the steps of dry gravity jigging at least one such fraction whereby there is separated therefrom a portion consisting predominantly of germs and crown starch and a portion consisting predominantly of glutenous starch.

2,347,216

PRODUCING GASOLINES

Albert G. Peterkin, Bryn Mawr, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 27, 1941, Serial No. 385,465

12 Claims. (Cl. 196—50)

9. The process of producing motor fuel of improved resistance to oxidation from sulphur bearing gasoline containing unstable unsaturated hydrocarbons produced by decomposition reactions comprising subjecting said gasoline to the action of a silicious splitting catalyst of at least 20% activity under cracking conditions including temperature above 750° F. but below thermal decomposition temperature controlled to effect decomposition into coke of at least 1% by weight of said gasoline without affecting substantially its anti-knock rating, removing sulphur bearing components from the products of the cracking step, and regenerating the catalyst before the coky deposit thereon reaches 50 grams per liter.

2,347,217

LUBRICATING COMPOSITION

Carl F. Prutton, Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application December 19, 1940, Serial No. 370,838

4 Claims. (Cl. 252—48)

1. A lubricating composition comprising a major proportion of mineral lubricating oil and minor amounts of both a sulphur treated oil and a stable oil-soluble halogen bearing organic ring compound containing a carbonyl radicle.

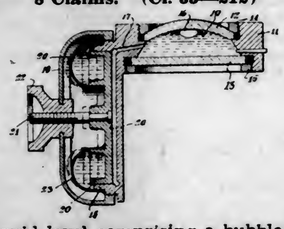
2,347,218

LIQUID LEVEL

Gregory V. Rylsky, New York, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application September 3, 1942, Serial No. 457,215

8 Claims. (Cl. 33—212)



1. A liquid level comprising a bubble chamber, a reservoir defining a cylinder one end of which communicates with said bubble chamber, an actuating piston for said cylinder, and a flexible sealing member interconnecting said piston and the opposite end of said cylinder and constituting a part of said reservoir.

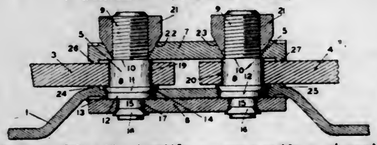
2,347,219

ANCHOR PIN CONSTRUCTION AND ASSEMBLY METHOD

Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application November 3, 1941, Serial No. 417,593

7 Claims. (Cl. 188—205)



1. In combination with a supporting structure provided with a stepped opening therethrough, a pin formed with stepped cylindrical portions for fitting in said opening and provided with enlarged portions on opposite sides of the supporting structure and engaging the surfaces of the structure adjacent the ends of the opening for clamping said pin thereto, the end surface of the larger cylindrical portion at the juncture of the stepped portion of the pin being held in pressure engagement with the surface at the juncture of the stepped part of the opening by the enlarged portion on the smaller portion of the pin.

2,347,220

PREPARATION OF GLUTAMIC ACID

Paul R. Shildneck, Decatur, Ill., assignor A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware

No Drawing. Application August 4, 1940, Serial No. 351,444

9 Claims. (Cl. 260—529)

1. In the process of producing glutamic acid which comprises the hydrolysis of a proteinaceous substance with a mineral acid and subsequent neutralization treatment of the resulting hydrolyzate to obtain said glutamic acid, the improvement which consists of the following steps: neutralizing the hydrolyzate beyond the point at which only the free mineral acid and that combined with the amino acid is affected with an amount of alkali which is substantially equivalent to the amount of ammonia resulting from the acid hydrolysis; concentrating the neutralized liquor

and removing amino acids other than glutamic acid therefrom; and, adding acid to the liquor in an amount substantially equivalent to the ammonia produced in the process to bring the acidity thereof back to the point at which only the free mineral acid and that combined with the amino acids is affected, and recovering the glutamic acid.

2,347,221

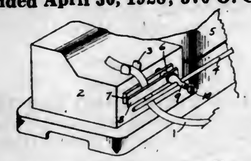
STOP MECHANISM

Harold A. Simmonds and Edward M. McIlvaine, United States Navy

Application April 14, 1943, Serial No. 482,960

4 Claims. (Cl. 192—127)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an automatic tape feeding mechanism driven by a motor, a shut-off means for said motor, an attachment on said means having a pair of strips fitting loosely over the tape being fed, said attachment being adapted to be drawn by the tape in the tape feeding direction to operate said shut-off means whenever the tape is twisted so that it will not straighten out as it is pulled through the strips, thus preventing tearing of the tape or stripping of its feeding perforations.

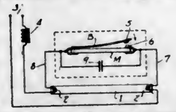
2,347,222

GASEOUS DISCHARGE LAMP AND STARTING MECHANISM THEREFOR

Philip Sitzer, Irvington, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware

Application January 23, 1941, Serial No. 375,556

20 Claims. (Cl. 315—100)



1. The combination of a gaseous discharge device with a starting and operating circuit therefor comprising an envelope with heating electrodes therein, a resistance heating element connected in series with said electrodes and having a voltage-current characteristic characterized by the rapid and out-of-proportion increase in amperage with increase in voltage above the range of the operating voltage of the device, and a thermally responsive element associated with said resistance heating element and operated thereby to establish a momentary short circuit therearound.

2,347,223

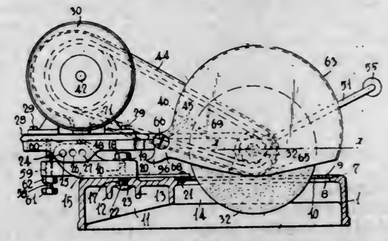
CUTTING MACHINE

Herbert E. Tautz, Englewood, Colo., assignor, by mesne assignments, to Delta Manufacturing Company, Milwaukee, Wis., a partnership consisting of Marshall Field, Charles G. Cushing, and H. Campbell Stuckeman

Application October 3, 1941, Serial No. 413,544

6 Claims. (Cl. 51—98)

1. A cutting machine comprising a base, said base having a circular opening therein, an insert mounted therein, for rotation about the center of said opening, said insert having a substantially diametrically located slot therethrough, a work guide, means for securing said guide to the base, a bracket resting on said base, means interconnecting the bracket and the insert, whereby said insert will turn with the bracket, means for securing said bracket to the base at will, a frame mounted on said bracket to swing about an axis



in a plane substantially perpendicular to the axis of the insert, a motor carried by said frame, a rotatable cutter also carried by said frame, pulleys on said motor and cutter and belting connecting said pulleys to rotate the cutter, and a guard carried by said frame, to house said pulleys and belting, said cutter being adapted to move into and out of said slot upon the swinging of the frame.

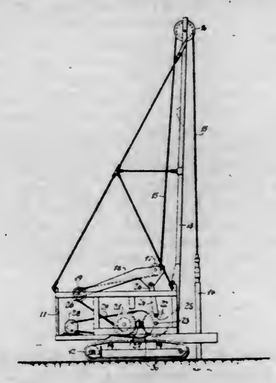
2,347,224

COUNTERWEIGHTED SPUDDING GEAR

Herbert W. Thornburg, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application May 5, 1941, Serial No. 391,861

6 Claims. (Cl. 255—11)

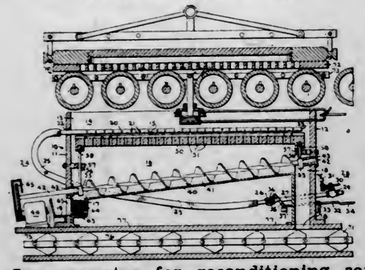


1. In a cable-tool drilling machine, the combination of: a base; a mast projecting upwardly above the base; a sheave, journaled on the mast; a spudding beam, pivoted on the base, for oscillation in a vertical plane; a crank on the base; means to rotate the crank; control means for said last-named means; link means, operatively connecting the beam and the crank, whereby rotation of the crank will impart oscillation to the beam; a tool-carrying cable, passing over the sheave, to the beam, for oscillation thereby; and counterweight means on the crank, and so located that no position of equilibrium of the system will coincide with a position of dead center of the crank and link.

2,347,225
ZIRCONIUM OXIDE REFRACTORY AND METHOD OF MAKING THE SAME
Eugene Wainer, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 19, 1942, Serial No. 427,281
9 Claims. (Cl. 106—57)

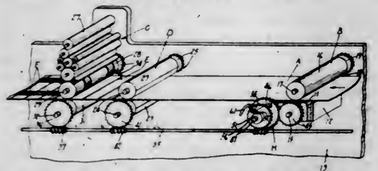
1. A composition suitable for forming refractory structures comprising a major quantity of zirconium oxide, 0.002 to 0.5 per cent of a water dispersible colloid and 0.002 to 0.5 per cent of a monohydroxyl base, such percentages being based on the weight of the zirconium oxide.

2,347,226
SAND RECONDITIONING AND RETEMPERING APPARATUS
Edward H. Whittaker, Jersey City, N. J.
Original application July 9, 1941, Serial No. 401,651. Divided and this application October 24, 1942, Serial No. 463,231
9 Claims. (Cl. 22—89)



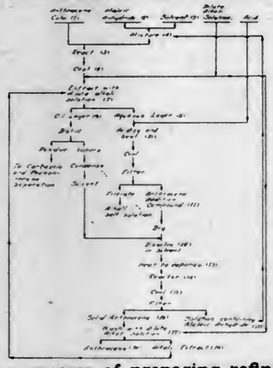
1. In apparatus for reconditioning sand, a main body portion providing an upper chamber, an intermediate chamber having a lateral opening in said main body portion, and a lower chamber beneath said intermediate chamber, water spray means in said upper chamber, a grille pivoted to said main body portion adjacent said opening, extending across said intermediate chamber and movable in planes inclined downwardly toward said opening, means for normally closing said opening, including a gate across said opening, suspended from adjacent the upper end of said opening and forming, with said grille, an acute angle, movable means in said lower chamber for receiving sand and spray water, dropped through said grille, and means, operated by movement of said last named means, for swinging said grille about its pivotal axis.

2,347,227
CONTAINER MAKING MACHINE
Joseph F. Wilgus, Elizabeth, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 7, 1941, Serial No. 382,275
4 Claims. (91—16)



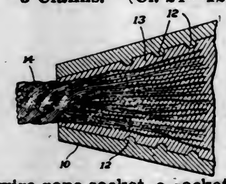
1. In a machine for synchronously and successively applying adhesive and printing upon a web of material being advanced first through an adhesive applying mechanism and thence through a printing mechanism, the combination of a rotating common drive shaft for operating said mechanisms, a rotatable element operatively connected to one of said mechanisms and having a driving connection with said shaft, a clutch pawl carried by said rotatable element, a driven shaft on which said rotatable element is loosely mounted, a single tooth clutch wheel fixed on said driven shaft, said clutch pawl being normally disposed in operative driving engagement with the tooth on said clutch wheel for establishing a driving connection between said drive shaft and said driven shaft, and means for shifting said clutch pawl out of engagement with said clutch wheel to disconnect the driven shaft from said drive shaft while the latter continues to rotate to operate the other of said mechanisms.

2,347,228
METHOD OF PRODUCING ANTHRACENE
Charles Francis Winans, Swissvale, Pa., assignor to Koppers Company, a corporation of Delaware
Application May 28, 1941, Serial No. 395,694
12 Claims. (Cl. 260—675)



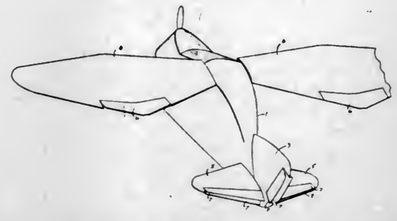
12. In a process of preparing refined anthracene and derivatives thereof, wherein the anthracene component in crude anthracene is separated in the form of an anthracene-maleic complex, the steps comprising heating anthracene-maleic acid in the presence of water above at least about 80° C. thereby to form anthracene-maleic anhydride and separating in substantially pure form anthracene-maleic anhydride from the water.

2,347,229
WIRE ROPE SOCKET
John B. Woodbury, South Portland, Maine, assignor to Maine Steel, Inc., South Portland, Maine, a corporation of Maine
Application August 26, 1942, Serial No. 456,186
3 Claims. (Cl. 24—123)



1. In a wire rope socket, a socket basket within which one end of a wire rope is anchored by means of a cone of hardened spelter material, means for retaining the spelter cone against movement in the basket comprising a rib projecting inwardly from the basket wall, said rib being of substantial area and extending a substantial distance about the basket wall so that when the spelter material is poured into the basket a groove of corresponding width, depth and extent will be formed in the external surface of the spelter cone and will be occupied by said rib on hardening of the spelter material, said rib being of a material which is appreciably stronger than the material of the spelter cone so as to resist shearing strains imposed thereon by the tendency of the spelter cone to become loosened in the basket during service of the wire rope socket, and said rib also acting as an internal reinforcement for the socket basket.

2,347,230
AIRPLANE WITH NONSTALLING AND GLIDE ANGLE CONTROL CHARACTERISTICS
Daniel R. Zuck, San Diego, Calif.
Application December 16, 1938, Serial No. 246,153
13 Claims. (Cl. 244—82)

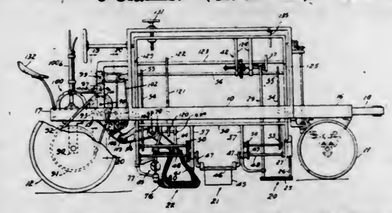


1. An airplane in which directional control of flight on vertical, longitudinal and lateral axes is exclusively attained without use of a tail rudder or elevator comprising a fuselage, cambered wings mounted on the fuselage for free rotation on a lateral axis slightly forward of the center of lifting pressure and devoid of direct pilot control, flight control members pivotally mounted in the wings within the cross sectional form of the same and comprising a part of said cross sectional form, and manually controlled means to selectively move both said flight control members either in the same or relatively opposite angular directions to vary the aerodynamic negative lift forces of the members and thus alter the angle of attack of the respective wings.

2,347,231
CATALYTIC REACTIONS WITH CARBONACEOUS MATERIALS
Fritz Stoewener, Ludwigshafen-on-the-Rhine, and Friedrich Becke, Mannheim, Germany; vested in the Alien Property Custodian
No Drawing. Application February 28, 1940, Serial No. 321,211. In Germany January 24, 1939
9 Claims. (Cl. 196—52)

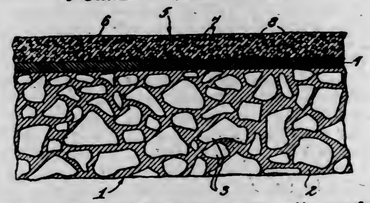
7. The process for the production of hydrocarbons by the thermal treatment of carbonaceous materials of a higher molecular weight at temperatures of more than 200° C., which comprises employing a catalyst obtained by adjusting the pH value of a porous material containing silicic acid and at least one metal compound in such a manner that said porous material has a pH value between 3 and 4 after having been heated to temperatures of 200 to 800° C.

2,347,232
PLANT THINNING MACHINE
Ambrosio Guerrero, Los Angeles, Calif.
Application June 26, 1942, Serial No. 448,647
5 Claims. (Cl. 97—11)



1. In a device of the kind described, ground wheels, a frame supported by said wheels, a plant-gripping device comprising two track members or guides having each a horizontally extending run which is parallel with and adjacent to that of the other, an endless chain for each of said guide portions to travel along its inner face in a cooperative relation to the other chain, said chains having opposed cooperating teeth between which are gripped the plants of parts of a row as the aforesaid ground wheels advance in a direction parallel to the plant rows, the plants being gripped only between the outer ends of opposed teeth, means operatively connecting said chains with said ground wheels to cause the plant-engaging portions of said chains to move, in relation to said frame, oppositely to the direction in which the ground wheels advance, said tracks for said chains having upwardly deflected divergent rear portions to cause said chains to pull out and then release the plants which they grip between them.

2,347,233
COMPOSITE SURFACING MATERIAL AND METHOD OF APPLYING THE SAME
Clyde G. Abernathy, Hornell, N. Y., assignor of one-half to Archie L. Blades, Hornell, N. Y.
Application February 12, 1941, Serial No. 378,620
6 Claims. (Cl. 117—30)

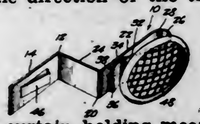


6. The method of laying a composite surfacing material which comprises forming a base of plastic bituminous material, working a coating of finely divided rubber particles into the surface of said bituminous material and forming a layer of a surfacing material including an inert aggregate and a binder of an alkyd resin and a modifier rendering said alkyd resin nondrying on said coacting of finely divided rubber particles.

2,347,234
TIEBACK
Carl F. Allen, McKeesport, Pa.
Application September 15, 1942, Serial No. 458,364
1 Claim. (Cl. 24—73)

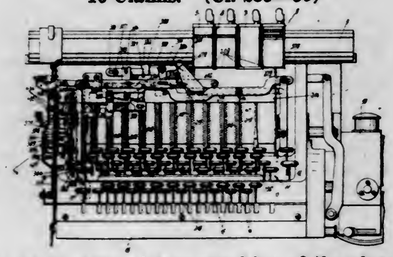
A tie-back comprising a metal strap bent to provide a tongue receivable between window trim and the like, and a wall to which the trim is

attached, said strap having a first right angular bend extending from said tongue and a second right angular bend extending from said first right angular bend, said second right angular bend being bent back upon itself to provide a loop opening in the direction of the trim to receive



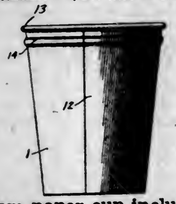
a curtain or curtain holding means, and a resilient finger on said tongue projecting out of the plane of the latter to fixedly secure the tongue between the trim and the wall, said loop being resilient and open but yieldingly pressed to a closed position.

2,347,235
BOOKKEEPING MACHINE
Robert Anschütz, Zella-Mehlis, Thuringia, Germany; vested in the Alien Property Custodian
Application June 7, 1937, Serial No. 146,897
In Germany June 12, 1936
16 Claims. (Cl. 235—59)
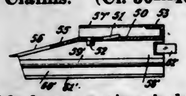


1. In a power-driven machine of the class described, having a travelling paper carriage; the combination with a register, having a plurality of order wheels; a master actuator between which and the order wheels there is relative axial movement to enable the engagement of the master actuator with successive order wheels; a motor; and value typing levers; of a total printing control means, including zero stop gears in train with, and individual to, the order wheels; a zero stop with which the zero stop gears coact to arrest the order wheels at their zero positions; a zero setting member and connections with the master actuator to restore the order wheels successively to zero; means operable by the motor to actuate the value typing lever corresponding to the value registered upon an order wheel, subsequently to the return of the order wheel to its zero position; means under the control of the zero setting member as it resets said order wheel to zero, to select the proper value typing lever subsequently to the return of the reset order wheel to its zero position for operation, said selecting means including bell cranks to engage their respective value typing levers with the motor-driven actuating means; a plurality of tappets adjustable into and out of effective position relatively to the bell cranks with which the tappets are associated; the adjustment of the tappets depending upon the extent of travel of the zero setting member, which is determined by the coaction of the successive zero setting stop gears with the zero stop; and motor-driven means to contact a bell crank with its associated tappets when set to effective position, to cause the bell crank to effect engagement of its corresponding value typing lever with the motor-driven actuating means.

2,347,236
CONTAINER
Cesare Barbieri, New York, N. Y., assignor to Dixie Cup Company, a corporation of Delaware
Application May 5, 1941, Serial No. 391,859
6 Claims. (Cl. 229—4.5)



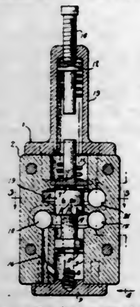
1. A flat-bottom paper cup including a bottom member, and a multi-ply body part formed from initially separate pieces secured together, a marginal portion of one of said pieces being folded around the flange on said bottom member to provide a bottom closure seal, and another of said pieces extending below the fold of said bottom closure seal in position for the cup to rest solely on the edge of this last said piece.

2,347,237
SAFETY BLADE MAGAZINE HOLDER
Sidney H. Benjamin, Milwaukee, Wis.
Application June 3, 1941, Serial No. 396,385
4 Claims. (Cl. 30—40)



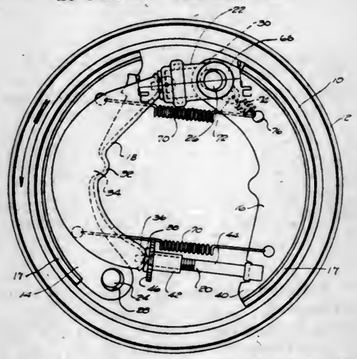
2. A razor blade magazine holder adapted to have a blade magazine introduced into and removably retained therein comprising a top member extending downwardly, a bottom member and two side members, said top member and said bottom member having centrally positioned aligned recesses in their forward portions, and at least one interiorly extended stop pin carried by said top member, said stop pin, or pins, being positioned forwardly of the inner extremity of said recesses.

2,347,238
SEQUENCE VALVE
Racy D. Bennett, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan
Application December 26, 1941, Serial No. 424,485
8 Claims. (Cl. 137—153)



7. A sequence valve comprising a valve casing, a longitudinal bore therein, a piston valve mounted for movement in said bore, fluid passages connected to said bore at different points longitudinally thereof, said piston valve having a head closing said bore between said fluid passages, resilient means at each end of said piston for maintaining said piston valve normally in a position with its head closing said intermediate portion of said bore while permitting movement of said valve in both directions, and connections between certain of said passages and said valve bore at points near the end of the said bore for effecting the movement of said piston valve upon predetermined variations in pressure of the fluid in said passages.

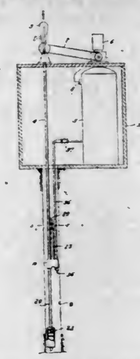
2,347,239
BRAKE MECHANISM
Edward H. Berno, Plymouth, Mich.
Application January 3, 1941, Serial No. 373,017
10 Claims. (Cl. 188—152)



1. Brake mechanism comprising a drum, a backing plate, an anchor pin carried thereby, a pair of links each of which is secured to said anchor pin in such a manner as to have a limited sliding movement relative thereto, drum braking means operatively associated with one end of one of said links so as to be actuated thereby, a connection between said drum braking means and the free end of the other of said links, drum braking means operatively associated with said other of said links, one of said links comprising a cylinder and piston assembly including a cylinder member and a piston member, one of said members being arranged relative to said other of said links so as to move therewith and the other of said members having a pin and slot connection with said anchor pin and being arranged between said pin and said first mentioned drum braking means.

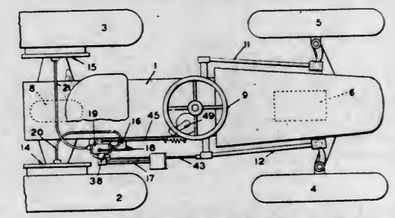
2,347,240
WELL PUMP
Orville Lee Bishop, Wendell, Idaho
Application June 10, 1941, Serial No. 397,469
1 Claim. (Cl. 103—6)

A well pump of the character described comprising a casing, a plunger operable in said casing, a mechanical pump operating unit operatively connected to the plunger for actuating the same; a head at the lower end of the casing, a tube depending from said head; a suction plunger mounted in the bottom end of said tube to draw water therein, a sucker rod operable in the tube and head connecting the plunger and suction plunger together; a liquid discharge pipe connected to the head; arms on the plunger operable in a vertical slot in said casing; an air pump mounted on the head and secured to the arms for actuation by the plunger, the air from the air pump to discharge into the liquid discharge pipe, and a storage tank connected to the



discharge pipe for receiving water and air under pressure therefrom.

2,347,241
BRAKE CONTROL SYSTEM
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 27, 1942, Serial No. 448,763
16 Claims. (Cl. 180—18)

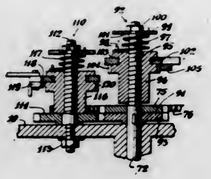


1. In a vehicle provided with a steering mechanism and right and left driving members, brakes for the driving members, a fluid pressure brake actuating system including a source of pressure and a conduit means leading to each brake, a shut-off valve for each brake conduit for preventing fluid pressure from the source from actuating the brake, means comprising a rotatable cam for selectively closing the shut-off valves, means for rotating the cam so as to close one valve when the steering mechanism is turned in one direction and to close the other valve when the steering mechanism is turned in the other direction, and manual means for so controlling the cam that either shut-off valve can be selectively closed.

2,347,242
N-(AMINO-BENZENE - SULPHONYL)-NITROSO-ANILINES AND SALTS THEREOF, AND METHOD OF PREPARING THEM
William Braker, Brooklyn, N. Y., and William A. Lott, Westfield, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application January 2, 1941, Serial No. 372,830
6 Claims. (Cl. 260—397.7)

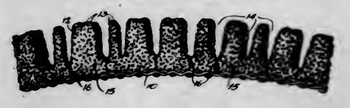
1. A compound of the group consisting of N-(amino-benzene-sulphonyl)-nitroso-anilines and salts thereof.

2,347,243
CLUTCH MECHANISM
Kenly C. Bugg, Fort Wayne, Ind., assignor to Neptune Meter Company, a corporation of New Jersey
Original application August 16, 1939, Serial No. 290,402. Divided and this application January 27, 1942, Serial No. 428,345
5 Claims. (Cl. 192—66)



1. A clutch mechanism comprising a shaft, means providing a friction surface fixed relative to said shaft, a member threadably mounted on said shaft for rotary movement relative to said shaft in directions toward and away from said friction surface, an element rotatably mounted on said shaft between said surface and said member, means for biasing said member for movement toward said surface to hold said element against said surface, and means operative to retract said member to release said element.

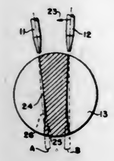
2,347,244
ABRASIVE ELEMENT
Edwin W. Colt, Evanston, Leonard B. Lane, Chicago, and Julian L. Beatty, Maywood, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1942, Serial No. 468,036
8 Claims. (Cl. 51—294)



1. In an abrasive device of the character set forth, a strip of pile fabric having an interwoven base and pile filaments extending upwardly therefrom to a substantially uniform height, a coating of adhesive about said filaments throughout their length and attached directly to the top of said base, and abrasive particles carried by said adhesive upon said filaments and upon said base.

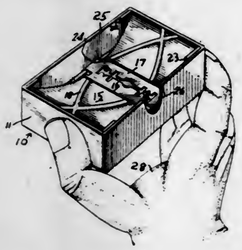
2,347,245
METHOD OF CUTTING
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Original application January 25, 1940, Serial No. 315,473. Divided and this application October 25, 1941, Serial No. 416,446
4 Claims. (Cl. 148—9)

1. The method of cutting transversely through metal bar stock or other metal work-pieces of cylindrical shape, which method comprises directing a substantially vertical oxygen jet from a torch and against surface metal that has been heated to ignition temperature and moving the torch parallel to itself and about the axis of the work-piece on a radius that maintains the torch at a substantially uniform distance from the surface to be cut, moving the torch to cut along a right plane and reducing the speed of movement along the arc at a rate that reduces the horizontal component of the torch movement to compensate for changes in the thickness of the work-piece as the jet cuts nearer to the center where the work-piece is of maximum diameter, simultaneously cutting from the opposite side of the work-piece and along the same right plane



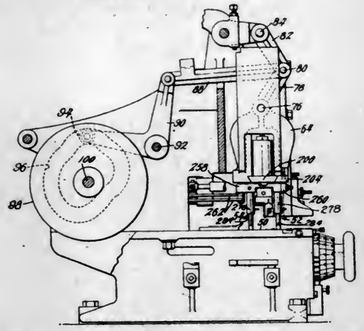
by an oxygen jet directed from a torch at an angle toward the vertical jet from the first torch, said angle being approximately equal to the sum of the drag angles of both cuts near the inner ends of said cuts, stopping the second oxygen jet and reversing the direction of movement of the second torch before the torches come together, and continuing the cutting operation of the first torch until its cut intersects that of the second torch and completely severs the work-piece.

2,347,246
RAZOR BLADE SHARPENER
Charles G. Barrett, Alexandria, Va.
Application September 17, 1941, Serial No. 411,239
9 Claims. (Cl. 51—211.1)



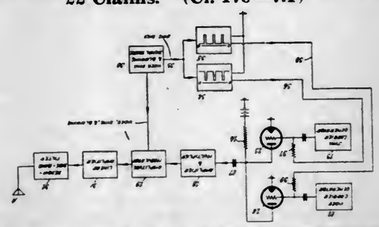
1. A razor blade sharpener or honer comprising a substantially rectangular member adapted to be held in the hand of an operator, said rectangular member having an upper concave surface, a plurality of criss-crossed angular ridges upstanding from said concave surface to provide constantly changing point contact surfaces as the blade is moved parallel to the longitudinal sides, means for keeping the razor blade in proper angular relation to the contact point sharpening surfaces of said ridges, said means comprising a housing in which said sharpener block is retained, said sharpener block being of a width substantially equal to the length of the blade edges, and false sides in said framework between the sides of said sharpening block and the sides of said housing, said false sides being of a thickness not greater than the length of a razor blade neck beyond the blade edges, said false sides being cut away to a point slightly distant from the ends of the sharpener block to provide stops cooperating with necks of the blade to limit the travel of the blade over the sharpening surfaces.

2,347,247
MACHINE FOR MAKING INCISIONS IN SOLES
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application July 26, 1940, Serial No. 347,708. Divided and this application March 9, 1942, Serial No. 433,893
5 Claims. (Cl. 12—17)



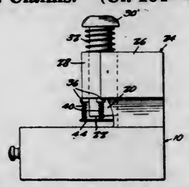
1. In a machine for incising insoles, a work table having a sole-supporting surface, a head movable toward said sole-supporting surface, a pair of knives on said head having their edges disposed to cut into an insole on the work table upon movement of the head toward the sole-supporting surface, said knives having blade portions in sliding engagement with each other, a positive connection between the head and one of said knives, and a connection between the head and the other knife constructed and arranged to enable that knife to yield as the head urges it into the sole.

2,347,248
ALTERNATE CARRIER TELEVISION SYSTEM
Frank J. Bingley, Chestnut Hill, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 8, 1941, Serial No. 401,533
22 Claims. (Cl. 178—7.1)



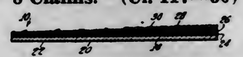
1. In a system for generating a composite negatively-modulated carrier-wave television signal containing both video and synchronizing intelligence, a transmitter having a full-load current level and an overload current level, a source of signals of video frequency, means included in said transmitter for generating a first carrier wave for the transmission of said video signals, means for amplitude modulating said carrier wave with said video signals over a predetermined range, the maximum extent of said range being limited to a level which is slightly below said full-load level, a source of synchronizing signals, means for generating a second carrier wave for the transmission of said synchronizing signals, the frequency of said second carrier wave differing substantially from the frequency of the first carrier wave, means for amplitude modulating said second carrier wave with said synchronizing signals to an extent substantially exceeding the full-load current level of said transmitter and corresponding to said overload level, means normally operative for establishing said video carrier, and means operative during the presence of said synchronizing signals for temporarily suppressing said video carrier and establishing said synchronizing carrier.

2,347,249
RATION STAMP CUTTER
Grace M. Brewton, Alluwee C. Andrews, and Frank C. Silva, Orange Grove, Tex.
Application February 11, 1943, Serial No. 475,546
3 Claims. (Cl. 164—50)



1. A punch of the type described comprising a base constituting a work support and provided with a cutting receptacle opening through the base, a plunger guided on said base for severing a cutting from the work and pushing the cutting into said receptacle, a work holder actuated through movement of the plunger for pressing the work against the base as the plunger is advanced through the work, said holder comprising a three sided member, springs mounting the holder on the plunger to yieldingly position the holder in advance of the plunger for engagement with the work prior to plunger engagement, ears projecting laterally from said plunger, said springs being attached to said ears and to the holder, a guide for the plunger mounted on said base, and a plunger return spring acting on said guide and the plunger to yieldingly hold the latter in a retracted position and with said ears engaging the guide.

2,347,250
SHINGLE AND METHOD OF MAKING THE SAME
Clinton B. Burnett, Waukegan, Ill., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 19, 1941, Serial No. 384,063
8 Claims. (Cl. 117—30)



1. A covering unit comprising a base impregnated with a waterproofing material, a surface of said unit carrying a bituminous coating layer, said layer being of greater but substantially uniform thickness over a portion of the unit substantially that to be exposed, a substantially continuous layer of granular material partially embedded in the coating on said portion, said granular material extending to and forming a discontinuous layer on the remaining area of said surface, a second bituminous coating layer covering said surface of the unit and a granular material predominantly of a given size partially em-

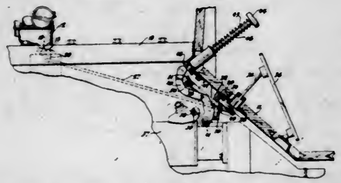
bedded in said second coating on said portion, and granular material predominantly of a smaller size partially embedded in the second coating over the remaining area of said surface.

2,347,251

STARTER-THROTTLE INTERCONNECTION

Gilbert Burrell, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 13, 1940, Serial No. 345,317
12 Claims. (Cl. 123—179)



1. In an internal combustion engine, a carburetor by which combustible mixture is supplied to cylinders of the engine, a choke valve by which the richness of the combustible mixture supplied to the cylinders by the carburetor may be regulated, a thermostat for regulating the position of the choke valve, a throttle valve by which the rate at which combustible mixture is supplied by the carburetor to the cylinders may be regulated, means including the specified thermostat for limiting movement of the throttle valve toward its closed position, a motor by which the engine may be cranked to start it, means by which the motor may be started, and means actuated by the second-specified means for automatically moving the throttle valve toward its opened position during the initial movement of the second-specified means to start the motor and releasing it to permit the throttle valve to move toward its closed position to the limit permitted by the first-specified means before the motor is started.

2,347,252

DYESTUFFS OF THE ANTHRAQUINONE SERIES

Edwin C. Buxbaum, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 25, 1940, Serial No. 347,487
7 Claims. (Cl. 260—276)

1. The water soluble sulfonation derivatives of 1,2-anthraquinone-naphthcarbazoles which carry in one of the positions 4 and 5 an aroylamino-group of the anthraquinone series which contains not more than 5 condensed rings.

2,347,253

CONTAINER CLOSURE

Harold D. Chaffee, Bedford, Ohio

Application June 17, 1942, Serial No. 447,321
6 Claims. (Cl. 221—22)



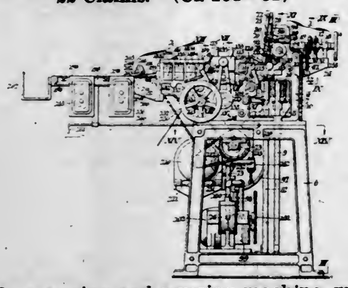
1. In combination: a container having an outlet opening providing engagement means; closure means, comprising tubular means having a dispensing opening and having at each of its ends engagement means complementary to the engagement means of said container and so constructed and arranged that either end of said tubular means may be attached to said container in such position that substance from said container may pass into said tubular means, said dispensing opening being so constructed and arranged that in one position of engagement of said tubular means and said container said dispensing opening is closed against passage of substance therethrough, and in the other position of engagement said dispensing opening is open to provide for passage of substance therethrough.

2,347,254

SHEET SCORING AND SEVERING MACHINE

George D. Cox, Philadelphia, Pa., assignor to Williams and Marcus Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 4, 1942, Serial No. 453,527
22 Claims. (Cl. 164—61)



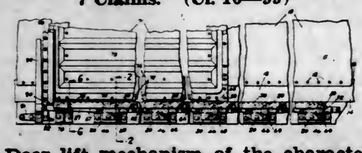
1. In a scoring and severing machine, mechanism for scoring individual sheets of paper or the like and cutting them up into a plurality of smaller sections; and mechanism for removing the individual sheets from a supply pile and feeding them to the scoring and severing mechanism, including a pair of nip rollers, a vacuum gripper in the form of an upright tube with a suction cup at its lower end, a lift arm to which the tube is pivotally connected, a second arm for swinging the tube about its pivotal connection with the lift arm, and a rotary shaft with cam means thereon for actuating said arms in timed relation, so that the gripper is first moved downward into engagement with the top sheet of the supply pile and then upward and laterally to advance the sheet to the nip rollers, suction control means, and means for actuating the suction control means for release of the sheet upon its delivery to said nip rollers.

2,347,255

DOOR LIFT MECHANISM

Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application May 6, 1943, Serial No. 485,825
7 Claims. (Cl. 16—99)



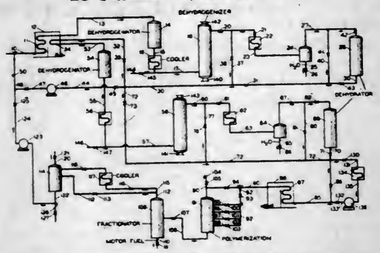
1. Door lift mechanism of the character described comprising a plurality of longitudinally spaced brackets, laterally spaced walls on each bracket, a member secured to each wall, each member having a flange, a portion of said flange being inclined longitudinally, a roller disposed between said members, a pin extending through each roller, discs rotatably mounted on said pin on either side of each roller, said discs being seated upon said flanges, means disposed between said bracket walls connecting said pins, a track having a web and downwardly directed flanges secured to said brackets on opposite sides of said rollers, and a lever secured to said pin-connecting means, the web of said track having spaced openings to permit projection of said rollers above said web.

2,347,256

PROCESS FOR CONVERTING HYDROCARBONS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 12, 1940, Serial No. 365,359
13 Claims. (Cl. 260—677)



1. In a process for the dehydrogenation of a paraffin hydrocarbon having at least two carbon atoms per molecule to form unsaturated hydrocarbons and free hydrogen, the improvement which comprises subjecting the effluent from such a dehydrogenation process to the action of a reducible metal oxide at a temperature not higher than approximately 650° F., to react free hydrogen with said metal oxide and form water, in the presence of an added material adapted to inhibit any substantial action as a hydrogenation catalyst of the metal which is formed in such reaction.

2,347,257

PROCESS FOR PURIFYING HYDROCHLORIC ACID

Frank L. Frost, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 24, 1942, Serial No. 459,595
5 Claims. (Cl. 23—154)

4. In the purification of crude hydrochloric acid contaminated with dissolved nitrogen oxides the step of adding to the acid a sulfamate.

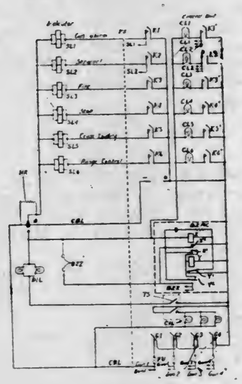
2,347,258

INDICATOR SYSTEM

Bertram Barnett Grace and William Herbert Morgan Hellier, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application July 10, 1941, Serial No. 401,800
In Great Britain May 14, 1940
10 Claims. (Cl. 177—327)

8. An order indicator system comprising a group of signal plates, solenoid means operatively connected to each plate when energized to move the plate into display position and to hold it there, circuit connections for the solenoids including a switch having contacts in series relation to all of the solenoids, a resistance connected in shunt with the contacts, said switch being positioned mutual to the plates to be engaged thereby for opening of the contacts when in fully raised position and said resistance reducing the current to a mere holding value whereby full current excitation of the solenoids occurs only after opening of the circuit of a previously operated signal, and control buttons for selective closing of the solenoid circuits.

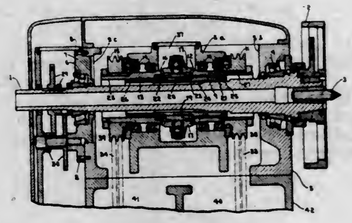


2,347,259

LATHE HEADSTOCK TRANSMISSION

Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application April 16, 1942, Serial No. 439,243
5 Claims. (Cl. 82—28)

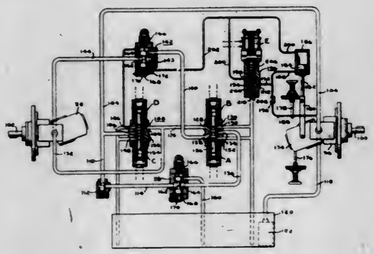


1. In a lathe work spindle driving transmission; a headstock housing; a rotatable work spindle journaled directly in said headstock housing; a differential driving transmission journaled directly in said headstock independent of said work spindle means in said differential providing a support for said work spindle intermediate its journal bearings in said headstock housing; and a pair of driving motors for actuating said differential transmission mechanism by varying the speeds and directions of rotation of said motors so as to effect variable speeds of rotation for said work spindle.

2,347,260
PEST CONTROL
Hubert G. Guy and Avery H. Goddin, Newark, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 1, 1940, Serial No. 349,248
3 Claims. (Cl. 167—22)

1. A composition of matter composed as a fly spray and containing N-isobutylundecylenamide, pyrethrum and n-octyl thiocyanate, the amount of pyrethrum being sufficient to provide from about 10 to 100 milligrams of pyrethrum per 100 cc. of fly spray.

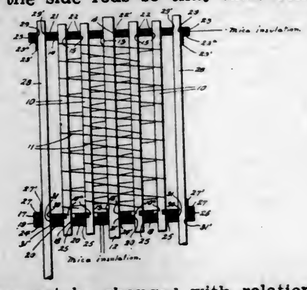
2,347,261
POWER TRANSMISSION
Ferris T. Harrington, L Raymond Twyman, and James Robinson, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Original application October 12, 1937, Serial No. 168,618, now Patent No. 2,203,354, dated June 4, 1940. Divided and this application September 23, 1939, Serial No. 296,200
6 Claims. (Cl. 60—53)



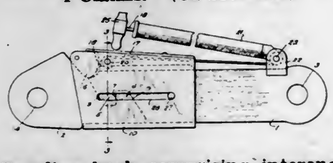
1. In a hydraulic power transmission system the combination of a pump, a fluid motor, a fluid circuit connecting the pump and motor, said circuit including a pair of directional control valves and a relief valve, said directional control valves being shiftable to form within the circuit supply and return connections for both forward and reverse operation of the motor as well as connections to resist return flow from the motor and simultaneously to dump fluid supplied by the pump, said relief valve being so connected as to be in communication with the supply line for forward and reverse flow to the motor and to be in communication with the return line when the flow therein is resisted.

2,347,262
GRID DEVICE
Carl Herzog, Belleville, N. J.
Application October 5, 1943, Serial No. 505,061
13 Claims. (Cl. 250—27.5)

2. A grid device for a radio tube or the like, said device comprising spaced grid side rods having a normal center distance and provided with notches, a grid element carried by the side rods, and insulating discs having openings to receive the side rods, the openings of one disc having a smaller center distance than the normal center distance of the side rods, the arrangement being such that the side rods are shifted inwardly so that they may enter the last named openings and then return to the normal center distance so that their notches receive portions of the disc adjacent to the last named openings, and means to hold the side rods so that their center distance can not be changed with relation to the last named openings.

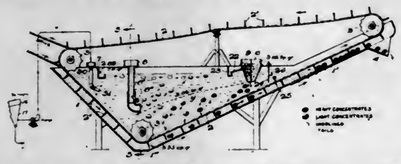


2,347,263
COUPLING HOOK ADAPTED TO DETACHABLY CONNECT SMALL BOATS TO THE DAVIT FALLS
Andrew Jackson Higgins and John M. Poche, New Orleans, La.
Application August 12, 1942, Serial No. 454,618
4 Claims. (Cl. 287—104)



1. Coupling hook comprising interengageable coupling members, a latch inhibiting disengagement of said members, a cord connected to said latch for releasing said latch when said cord is pulled, and a hollow handle flexibly connected to one of said coupling members, through which said cord passes, affording support to the tender of said coupling hook and being inert with respect to latch releasing movement of said cord.

2,347,264
PROCESS AND APPARATUS FOR SEPARATING FRAGMENTARY MATERIALS
Grover J. Holt, St. Paul, Minn., Victor Rakowsky, Joplin, Mo., and Ray W. Arms, Evanston, Ill., assignors to Minerals Beneficiation Incorporated, Chicago, Ill., a corporation of Delaware
Application October 21, 1940, Serial No. 362,144
17 Claims. (Cl. 209—173)



1. In an apparatus for separating ore particles having different specific gravities, the combination of a tank containing a liquid separating medium consisting of water and comminuted solids, means introducing said medium at uniform specific gravity adjacent one end of said tank and into the surface portion of the medium in the tank, overflow means adjacent the other end of the tank, means for feeding ore particles into the surface portion of the medium in the tank and intermediate the introduction of the medium and said overflow means, a baffle extending across the tank and projecting downward into the surface portion of the tank between the ore feed inlet and said overflow, and a liquid outlet between the baffle and ore feed and adjacent the surface of the medium in the tank.

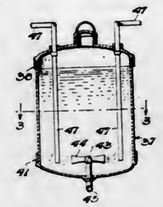
2,347,265
INSECTICIDE
Julius Hyman, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 25, 1942, Serial No. 444,397
6 Claims. (Cl. 167—24)

1. An insecticide comprising refined inactive carrier oils containing, as an active ingredient, a methyl substituted naphthalene.

2,347,266
ISOMERIZATION OF PARAFFINIC HYDROCARBONS
Vladimir N. Ipatieff and Louis Schmerling, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 20, 1939, Serial No. 251,972
11 Claims. (Cl. 260—683.5)

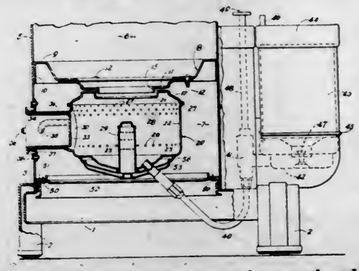
7. A process for converting normal paraffins of at least 4 carbon atoms to the molecule into branched chain paraffins, which comprises contacting the normal paraffin under isomerizing conditions and in the presence of hydrogen and hydrogen chloride with a sludge produced in an independent hydrocarbon condensation reaction in the presence of aluminum chloride.

2,347,267
INSECT EXTERMINATOR
Eddie R. Jowers, Swansea, S. C.
Application October 28, 1941, Serial No. 416,879
2 Claims. (Cl. 221—77)



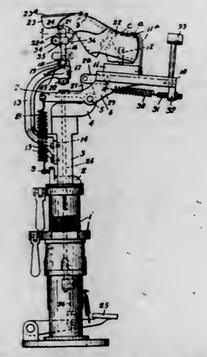
1. In apparatus for spraying cotton plants or the like, a substantially vertical tank, a substantially horizontal pipe arranged within the tank adjacent to and spaced from its bottom, the opposite ends of the pipe being open and spaced from the periphery of the tank, means to supply compressed air into the pipe between its ends, substantially vertical outlet pipes extending into the tank and having their lower intake ends disposed outwardly of and adjacent to and opposite the open ends of the substantially horizontal pipe, such intake ends terminating at approximately the elevation of the substantially horizontal pipe and spaced from the bottom of the tank, the arrangement being such that outwardly projected substantially horizontal jets from opposite ends of the substantially horizontal pipe travel across said intake ends to agitate the liquid insecticide and to clean such intake ends.

2,347,268
OIL BURNING APPARATUS
Charles J. Kessler, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application June 3, 1942, Serial No. 445,539
4 Claims. (Cl. 158—91)



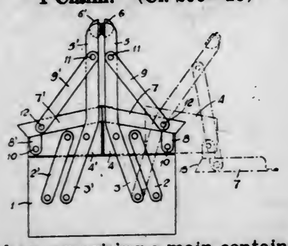
3. In oil burning apparatus, a burner bowl having an inverted shallow dished top wall provided with a relatively large opening, said wall about said opening being flanged downwardly a distance less than the depth of the dished top wall and thence inwardly in the form of a substantially horizontal lip whose inner edge defines the limits of said opening, a member spaced slightly above said top wall and having an opening registering with that of said wall, the edge of said member about said opening being flanged downwardly to provide a vertical lip that is spaced from the aforesaid horizontal lip, the peripheral wall of the burner bowl being provided with air admitting openings, and means for delivering oil to the bowl in varying quantity.

2,347,269
METHOD OF STRETCHING AND ASSEMBLING SHOE UPPERS ON LASTS
Euclid I. La Chapelle, Brockton, Mass.
Application September 1, 1942, Serial No. 456,954
14 Claims. (Cl. 12—145)



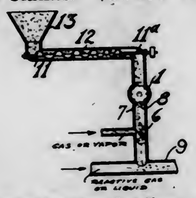
1. That method of stretching and assembling uppers on lasts which comprises the provision of an upper mounted on a last having an insole assembled thereon and the engaging and stretching of the top portion of the upper lengthwise of the last and the engaging and stretching of its lower marginal portion lengthwise of the last to a predetermined extent in excess of the extent of the lengthwise stretch upon its top portion, preparatory to the performance of the pulling over machine operation upon the upper.

2,347,270
TOOLBOX
Eric Larsson, Malung, Sweden
Application April 1, 1942, Serial No. 437,297
In Sweden July 2, 1941
1 Claim. (Cl. 206—16)



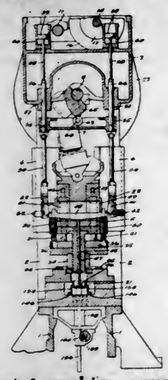
A tool box comprising a main container having side and bottom walls and open upwardly, two auxiliary receptacles each having side and bottom walls and open upwardly mounted on and above said main container by parallel link mechanism, said receptacles being movable laterally with respect to said container on said link mechanism to cover and uncover said container, lid members hinged to said receptacles to cover and uncover the same, a fixed point on an integral part of each lid member being pivoted to a fixed point of an integral part of its respective receptacle, said parallel link mechanism including handle members pivoted at fixed points to said container and to said receptacles for moving said receptacles laterally with respect to said container, and link members connecting said handle members and said lid members and operative to swing the lid members to open position as the receptacles are moved to open position whereby as said handle members are actuated to move said receptacles laterally to open position with respect to said container said lid members will execute arcuate swinging movements about their fixed pivot points on said receptacles from substantially horizontal closed positions over said receptacles to substantially horizontal inverted position extending laterally of said receptacles.

2,347,271
FEED DEVICE
Norman F. Linn, Roselle, Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1939, Serial No. 311,831
3 Claims. (Cl. 196—2)



3. In an apparatus for feeding powdered catalyst into a reaction zone for the heat and pressure treatment of hydrocarbon material, a high pressure reaction zone adapted to contain the hydrocarbon material under elevated temperature and pressure, a reservoir for the powdered catalyst at lesser temperature and pressure, a conduit connecting the zone and reservoir, a feed wheel for positively feeding the catalyst from the reservoir through the conduit toward the zone at a constant and uniform rate, a compression screw member in the conduit between the reservoir and the feed wheel, the feed wheel comprising a cylindrical member with relatively wide peripheral spacing portions between a series of helical pockets, the spacing portions cooperating with the wall of the conduit to form a substantially fluid-tight fit, and an inlet for fluid inert to the hydrocarbons opening into the conduit between the wheel and reaction zone to fluidize the powdered catalyst on its way to the reaction zone and prevent the hot hydrocarbon material from contacting the catalyst before the catalyst leaves the feed wheel.

2,347,272
SHEET METAL WORKING PRESS
William F. Longfield, Cleveland, Ohio, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio, a corporation of Ohio
Original application August 2, 1940, Serial No. 349,871, now Patent No. 2,283,505, dated May 19, 1942. Divided and this application June 5, 1941, Serial No. 396,712
6 Claims. (Cl. 113—50)

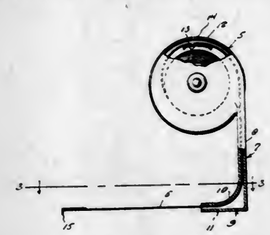


1. A sheet metal working apparatus including a crank-shaft, a reciprocal die slide and operative connections between the slide and crank-shaft through which the slide is reciprocated by the crank-shaft, a stationary die member, a movable die member secured to the die slide, in combination with a stripping mechanism, said stripping mechanism comprising; a stripping member slidably mounted in said die slide in operative-relation to said movable die member, a cross bar slidably mounted in a transverse slot in said die slide connected to the upper end of said stripping member, a stripping slide normally disconnected from said cross bar and said stripping member, operative connections between said crank-shaft and said stripping slide for depressing said stripping slide in timed relation to the movement of said die slide, and means for connecting said cross bar to said stripping slide and disconnecting said cross bar from said stripping slide at predetermined times in the movement of said die slide.

2,347,273
MEASURING TAPE
Leascher C. Lyle, McMinnville, Tenn.
Application June 3, 1943, Serial No. 489,515
1 Claim. (Cl. 33—138)

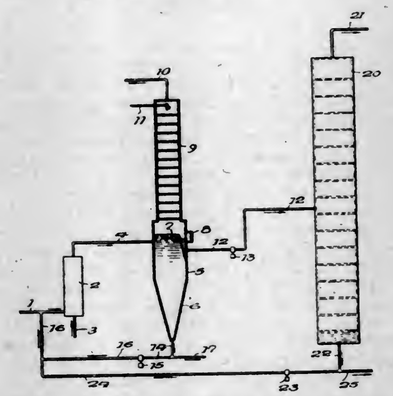
In a measuring device, a tape reel including a housing having a sight opening, a tape adapted for movement into and out of the housing and having scales on opposite faces thereof, a substantially L shaped hollow extension having the tape passing therethrough and having one end

formed on the casing for supporting the casing laterally of and for a considerable distance from one face of the tape extending from the free end of the extension, one of the scales being so arranged on the tape that the markings thereof visible through the sight openings will indicate the distance between the extended free end of the tape and the free end of the extension, said extension including right angularly disposed portions and a curved wall extending from one portion to the other portion for guiding the tape from one portion to the other portion, one of said



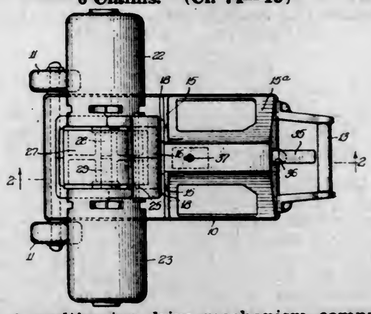
portions having a flat face to engage a surface to support the extended portion of the tape substantially parallel to the surface and the housing in a plane above said extended portion of the tape and the surface, one of said portions of the extension being longer than the other portion of said extension to permit gripping thereof by a person for locating said extended portion of the tape in said relation to a selected portion of the surface and for positioning of said flat face on the surface.

2,347,274
PROCESS OF PRODUCING PARAFFINIC OILS
Almer M. McAfee and Edward E. Dunlay, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 25, 1941, Serial No. 390,376
14 Claims. (Cl. 196—9)



1. The process of producing highly paraffinic synthetic oils, which comprises subjecting olefin-containing gases and non-residual hydrocarbon oil, high in non-paraffinic and non-asphaltic constituents, and substantially free from hydrocarbons boiling within the gasoline boiling-point range, to contact with each other in the presence of an aluminum halide catalyst, at a temperature not higher than about 250° F.

2,347,275
DRIVE MECHANISM
Marcellus S. Merrill, Denver, Colo.
Application March 28, 1942, Serial No. 436,575
6 Claims. (Cl. 74—13)



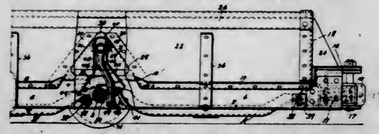
1. A multimotor drive mechanism comprising a carrying member, a driving wheel adapted to be brought into driving relationship with a wheel of a motor vehicle, a pair of driving motors connected to said driving wheel coaxially disposed relative thereto and at the two extremities of said driving wheel, means for mounting said driving wheel and said motors as a unit upon said carrying member, a brake, and lever means for applying said brake, said lever means having a manually operable portion adjacent to the rearward extremity of said carrying member.

2,347,276
PARTITION STRUCTURE
Edward W. Nicholson, Detroit, Mich.
Application May 11, 1942, Serial No. 442,451
2 Claims. (Cl. 72—46)



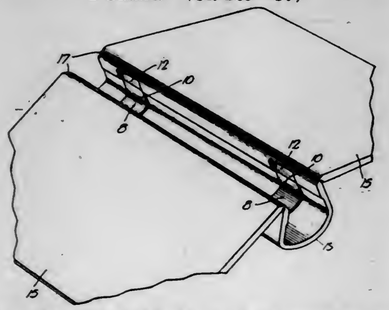
1. A partition consisting of a foundation core constructed of a plurality of flat sections of composition sheet material arranged in edge abutting relationship and in two over-lapping plies with the sheet sections which constitute one-ply breaking the joints of the sheet sections which constitute the other ply, the sheet sections of the two plies provided with a plurality of registering apertures, connecting means extending through registering apertures of over-lapping plies and through apertures in edge abutting sections holding over-lapping sections of the two plies tightly together and holding abutting sections in a ply tightly together against relative displacement, a plaster coating adhesively secured as an outer layer over the two opposed surfaces of said foundation core, said plaster extending through the registering apertures of the sections constituting the two plies connecting the two layers of plaster together forming an integral structure, the connecting plaster ties through the two plies being sufficiently numerous and of sufficient combined cross sectional area to render the partition relatively rigid and self-supporting.

2,347,277
DROP-BOTTOM MINE CAR
Herman H. Pancake, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application April 9, 1940, Serial No. 328,607
12 Claims. (Cl. 105—253)



1. In a drop bottom car the combination of, a frame, end sheets and slope sheets secured to the frame, wheels and axles supporting the frame, a plurality of dumping doors closing the bottom of the car between the vertical longitudinal planes through the wheels, a latch for each door pivotally connected to the car to swing in a plane transversely of the car, and independent operating means for each latch extending transversely of the car through a slope sheet intermediate the end sheets and terminating in an end portion located beneath the slope sheet and outwardly of the vertical longitudinal plane through the adjacent wheels.

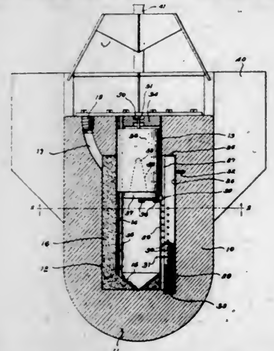
2,347,278
LOOSE-LEAF BINDER
William P. Pitt, Union, N. J., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application September 22, 1941, Serial No. 411,811
1 Claim. (Cl. 129—37)



In a loose leaf binder, a back member completely bound in a case member, a spring clamp juxtaposed on said back member, and means integral with said back member and projecting therefrom for securing the ends of said spring clamp thereagainst, said spring clamp normally holding said back member in closed position.

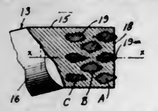
2,347,279
AERIAL BOMB PROJECTILE
Stanley J. Piut, Glen Rickey, Pa.
Application May 20, 1941, Serial No. 394,378
2 Claims. (Cl. 102—5)

1. A projectile of the character described comprising the known combination of a body structure having a multiplicity of laterally extended barrel elements, projectiles therein, respective firing charges therefor, a chamber being formed in the body inwardly of the barrel elements and means provided for electrically firing the charges in each of the barrel elements including a respective electrical lead and insulated contact for each barrel unit, said contacts being arranged in longitudinal spaced relation in the projectile, a switch member slidable longitudinally in said chamber normally initially positioned at the upper limit of its movement and including an insulated brush to engage said contacts successively on longitudinal movement of the switch member and an electrical



source comprising a battery mounted on the switch member and constituting an operating weight for the switch member connected electrically with the brush and with the body structure, whereby to complete a circuit successively to the respective firing means on movement of the brush.

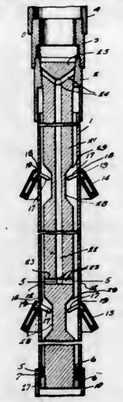
2,347,280
DIAMOND DRESSING TOOL AND METHOD OF DETERMINING DIAMOND SIZES THEREFOR
John L. Petrie, Detroit, Mich., assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich., a corporation of Delaware
Application July 12, 1941, Serial No. 402,054
1 Claim. (Cl. 125—39)



The method of dressing abrasive grit grinding wheels of the class having abrasive grits of a size not appreciably coarser than size 30 nor finer than size 120 with a plurality of small diamonds which comprises determining the grit size of each wheel to be dressed, selecting substantially uniformly sized diamonds within a size range of .0225 to 0.1975 carat in accordance with the grit size of the wheel to be dressed to provide the smaller diamonds for the finer grit size wheels and the larger diamonds for the coarser grit size wheels and with the diamond sizes increasing in substantially direct proportion to the increase in grit size, holding a plurality of the thus selected substantially uniformly sized diamonds against the wheel of determined grit size for which the diamonds were selected in a plane substantially transverse to the axis of rotation of the wheel to simultaneously act on the wheel in substantially the same cutting track, and rotating the wheel.

2,347,281
OIL WELL TESTING DEVICE
George A. Raynor, Smithville, Tex., assignor of one-half to Charles L. Staub, Smithville, Tex.
Application September 3, 1941, Serial No. 409,401
2 Claims. (Cl. 166—11)

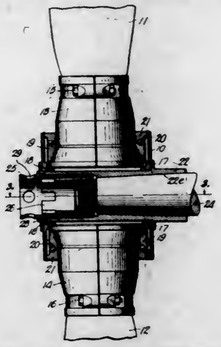
1. A well testing device adapted to be interposed between upper and lower rod strings and for lowering and raising by the upper rod string, said device comprising a barrel provided intermediate the ends thereof with fluid inlet apertures therein, upper and lower packing members surrounding said barrel and positioned above and below said apertures, respectively, and pivotally mounted on said barrel for vertical swinging into and from packing positions, said members having operating levers extending into said barrel and downwardly movable to swing the members into packing position, means coupling said upper string to said barrel for limited upward and downward movement relative thereto and including a sleeve connected to the upper string, a downwardly tapered valve seat in said sleeve, the upper end of said barrel being slidably mounted in said sleeve below the valve seat to limit upward movement of said barrel relative to the upper rod string, a plunger member in said barrel, a downwardly tapered valve head on the upper end of said plunger to seat on said valve seat to limit downward movement of said plunger relative to the upper rod string, said barrel being slidably



mounted on said plunger member, ring members on the lower ends of said plunger member and barrel coengageable to support said barrel on said plunger against the influence of gravity tending to separate them, said plunger member being downwardly movable, said barrel under the influence of gravity and coincident with limited downward movement of said means, said barrel being connected to the lower rod string and remaining stationary after contact of the lower end of the lower rod string with the bottom of the well bore to allow the plunger to move downwardly relative thereto under the influence of gravity, and means on the plunger member for moving said levers downwardly as an incident to such downward movement of said plunger member to move the packing members outwardly relative to the barrel into packing engagement with the well bore wall.

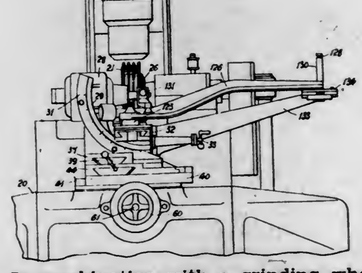
2,347,282
PROPELLER HUB ASSEMBLY
Horace H. Roby, Wichita, Kans.
Application January 8, 1942, Serial No. 426,058
3 Claims. (Cl. 170—173)

1. A propeller hub assembly comprising a crank shaft, a barrel member mounted on the crank shaft, propeller blades having shank portions secured to said barrel member, a crank shaft sleeve surrounding one end of the crank shaft and extending transversely through the barrel member, said sleeve formed in two parts which have complementary internal threads, an externally threaded locking member within the sleeve, the external threads of the locking member engaging the internal threads of the sleeve



parts to hold the same together as a unitary structure, and means holding the crank shaft sleeve on the crank shaft.

2,347,283
MEANS FOR DRESSING GRINDING WHEELS
Walter F. Ross, Detroit, Mich.
Original application October 30, 1939, Serial No. 301,918, now Patent No. 2,307,238, dated January 3, 1943. Divided and this application June 3, 1940, Serial No. 338,492
2 Claims. (Cl. 125—11)

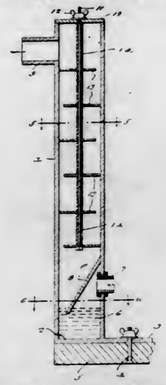


1. In combination with a grinding wheel for the finish forming of gear and other lobed forms, a dresser wheel angularly adjustable and movable relative to the said grinding wheel to form a thread thereon, a pantograph-operated dressing tool for dressing the periphery of said dresser wheel, and a pantograph-guiding template having the enlarged form of the counterpart of the conjugate rack of the work which the grinding wheel is intended to grind, said pantograph-operated dressing tool and said template being swingable with said dresser wheel about an axis passing through the center of said dresser wheel.

2,347,284
AMALGAMATOR
George F. Rotsler, Los Angeles, Calif.
Application April 6, 1943, Serial No. 482,003
1 Claim. (Cl. 209—183)

An amalgamator comprising a vertical tube for the reception of mercury in its lower portion, said tube having an intake in its lower portion and an outlet in its upper portion, a removable

closure on the upper end of the tube, a rod suspended from the closure in the tube, a nut threaded on the upper end portion of said rod



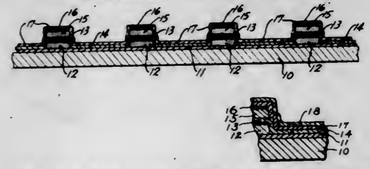
and engaged on the closure, a series of vertically spaced, staggered plates on the rod in the tube, and spacing sleeves for said plates on the rod.

2,347,285

FLUORESCENT GLOW SHEET AND THE METHOD OF MANUFACTURING THE SAME

Alfred R. Russell, Grosse Pointe, Mich., assignor to The Burkhardt Company, a corporation of Michigan

Application May 15, 1942, Serial No. 443,160
4 Claims. (Cl. 40—134)



1. A glow sheet comprising a plastic sheet debossed to the form of copy to be applied thereon, copy applied to said debossed portions of said sheet comprising ink compatible with said plastic sheet, a layer of fluorescent pigment on said copy, a protective film over the entire sheet composed of a siccative material nonfluorescent under ultra violet rays having high light transmission qualities and compatible with the ink employed, a second copy layer comprising a clear ink having high light transmission qualities compatible with the last-named protective film disposed thereover in registry with the under copy, a layer of fluorescent pigment on said second copy layer, and a final protective film over the entire sheet of siccative material non-fluorescent under ultra violet rays having high light transmission qualities and compatible with the ink employed.

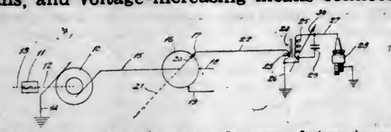
2,347,286

IGNITION SYSTEM

Peter C. Sandretto, Oak Park, Ill., assignor to United Air Lines, Inc., a corporation of Delaware

Application June 19, 1942, Serial No. 447,699
9 Claims. (Cl. 315—212)

1. In an electrical ignition system for an internal combustion engine having sparking means associated with the cylinders thereof, the combination of a source of energy including means for generating low-voltage alternating current of substantially constant high frequency, low-voltage transmission means extending from said source to a point closely adjacent said sparking means, and voltage-increasing means connected



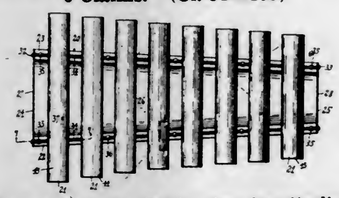
to said transmission means for supplying to said sparking means a high-voltage sparking current at said substantially constant high frequency, said voltage-increasing means being positioned closely adjacent said sparking means.

2,347,287

XYLOPHONE

Elmer Sas, New York, N. Y.

Application May 22, 1942, Serial No. 444,011
6 Claims. (Cl. 84—403)



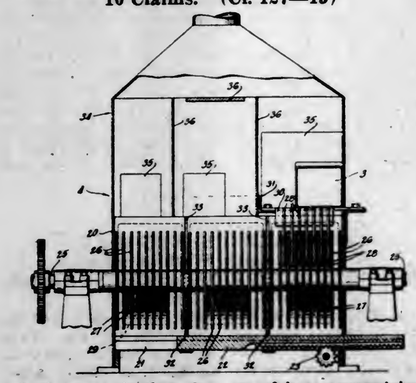
1. In a xylophone, having two longitudinal side walls, solid wooden sound bars secured across the tops of said side walls, said bars being in the form of sections of cylinders, having a flat bottom surface and rounded outer surface, said rounded surfaces being turned upwardly to be played on, and said bars resting on their flat surfaces.

2,347,288

SUGAR GRANULE MANUFACTURE

John W. Schlegel and Louis Lang, New York, N. Y., assignors to The National Sugar Refining Company, Edgewater, N. J., a corporation of New Jersey

Original application November 8, 1937, Serial No. 173,330. Divided and this application May 20, 1940, Serial No. 336,167
10 Claims. (Cl. 127—15)



1. A granule-forming machine comprising a trough, a rotary shaft therein bearing working elements, a series of trough-borne working elements extending into the interspaces of the shaft-borne elements, and a second series of trough-borne elements extending into said interspaces but having a less clearance therein than the fixed series, and such less clearance being not substantially greater than the maximum granule diameter of the product.

2,347,289

PRINTING PROCESS

George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 14, 1940, Serial No. 361,103
6 Claims. (Cl. 8—64)

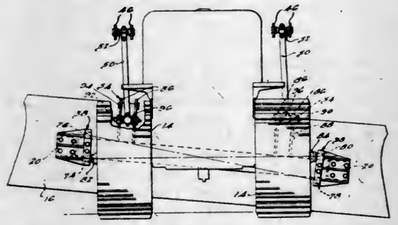
2. In the process of producing local color effects upon textile materials containing cellulose acetate yarns, the step of locally applying there a paste comprising a substance capable of effecting color change and, as thickening component, starch that has been heated in water containing at most 0.10% of mineral acid based on the weight of the starch at a temperature of 150 to 205° F. for from 4 hours to 10 minutes.

2,347,290

ANGLEDOZER

George D. Shaeffer, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan

Application October 28, 1942, Serial No. 463,647
3 Claims. (Cl. 37—144)



1. In an hydraulic scraper, in combination, a tractor, a rigid U-shaped scraper frame having side arms disposed along the sides of said tractor, a scraper blade disposed transversely of said tractor and connected to the end of the scraper frame, means for pivotally connecting the ends of each of the arms of the scraper frame to the tractor, said means comprising means forming a pair of upper and lower pivot seats on the end of each of said arms, the upper and lower pivot seats on one of said arms being disposed on an arc with the upper pivot seat on the other arm as its center and the lower pivot seat on said other arm lying on an arc of the same radius as the first mentioned arc struck about the upper pivot seat on said one of said arms, a pivot element fixed to each side of said tractor adapted to be received within either of said pivot seats on its side of the tractor, hydraulic means including a piston and cylinder unit on each side of said tractor for raising and lowering said blade, and means connecting said pistons with their respective arms.

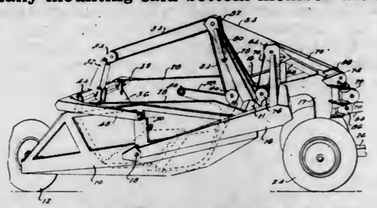
2,347,291

SCRAPER

George D. Shaeffer, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan

Application October 28, 1942, Serial No. 463,648
8 Claims. (Cl. 37—126)

8. In a scraper construction, a frame having ground-engaging wheels thereon, side wall members fixed with respect to said frame, a bowl including an upstanding back member and a bottom member, means hingedly connecting said bottom and back members together along the rear bottom corner of said bowl, a fixed pivot means pivotally mounting said bottom member with respect to said frame, means pivotally mounting said back member with respect to said frame, a movable gate positioned to extend across the front of said bowl adjacent the lower leading edge of said bottom member and pivotally mounted with respect to said frame, and means to raise said gate and said bowl.

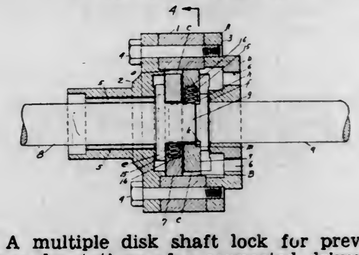


2,347,292

MULTIPLE DISK SHAFT LOCK

Skardon T. Smith, Detroit, Mich.

Application May 4, 1942, Serial No. 441,668
5 Claims. (Cl. 192—8)



1. A multiple disk shaft lock for preventing backward rotations of a connected driven unit, comprising a fixedly mounted housing formed with a central cylindrical chamber provided with connected shaft bearings through opposite housing ends positioned concentric with the housing chamber axis, a driving shaft section and a driven shaft section rotatably mounted within the opposite housing bearings with their inner ends projected within the housing chamber and provided with exterior and interior operating lugs respectively, said lugs being positioned on the shaft ends symmetrically about the common axis, multiple locking disks each formed with one recessed edge and a central rectangular-like recess, uniformly disposed and rotatably mounted within the housing chamber capable of locking with the chamber walls, said locking disks central recess being designed and positioned to fit over the injected shaft operating lugs and engage therewith along their respective parallel sides in a manner for causing a sidewise displacement of the respective lock disks transversely of the shaft axis when an excentric pressure is applied thereto through either set of shaft operating lugs, for respectively locking or releasing said lock disks with the housing chamber walls.

2,347,293

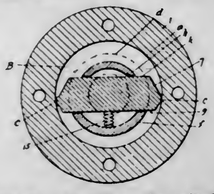
SINGLE BAR SHAFT LOCK

Skardon T. Smith, Detroit, Mich.

Application May 4, 1942, Serial No. 441,669
5 Claims. (Cl. 192—8)

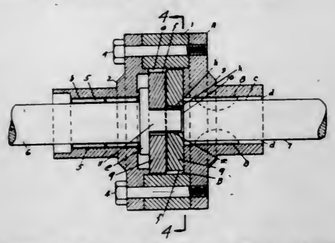
1. A bar shaft lock adapted for preventing backward rotation of a connected driven section,

comprising a rigidly mounted housing formed with a central cylindrical chamber having connected shaft bearings at opposite housing ends positioned concentric with the chamber axis, a driving shaft section and a driven section rotatably mounted within the opposite housing bearings, each section formed with cylindrical operating lug sections projected from the inner ends thereof within the housing chamber, designed and positioned with their respective lugs separated and overlapping each other, a lock bar formed



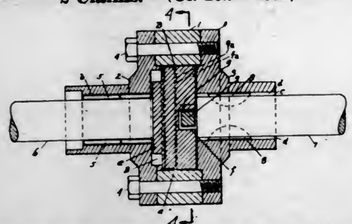
with circular ends, of a diameter slightly smaller than the inclosing housing chamber, rotatably mounted therein, said lock bar being designed and positioned to engage the chamber walls at a locking angle and positioned between the overlapping operating lugs in a manner capable of being displaced sidewise thereby transversely of the shaft axis as pressure is applied thereto through either of the shaft sections, for respectively locking or releasing said lock bar with the chamber walls.

2,347,294
MULTIPLE DISK SHAFT COUPLING
Skardon T. Smith, Detroit, Mich.
Application May 4, 1942, Serial No. 441,671
5 Claims. (Cl. 192—45.1)



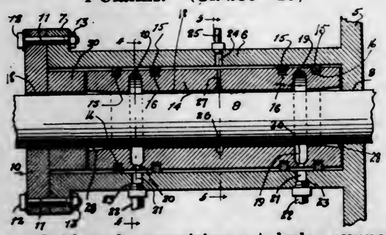
1. A multiple disk shaft coupling adapted for automatically releasing a connected shaft section while in motion, comprising a housing formed with a central cylindrical chamber provided with connected shaft recesses at opposite ends thereof positioned concentric with the chamber axis, a driving shaft rotatably mounted through one housing shaft recess, a driven shaft section fixedly mounted within the opposite housing shaft recess integral with the housing, a series of uniformly disposed locking disks capable of engaging with the chamber walls and locking therewith, rotatably mounted within the housing chamber, said disks being provided with shouldered central recesses therethrough forming driving and centralizing means for the respective disks, a multiple sectioned driving lug formed on the inner end of the driving shaft within the housing chamber, designed to project through the multiple disk recesses and engage the respective shouldered central recess walls thereof in a manner for locking same with the housing chamber walls for power rotations in one direction, or releasing the lock disks therefrom and centralizing same for opposite directional rotations.

2,347,295
SINGLE BAR SHAFT COUPLING
Skardon T. Smith, Detroit, Mich.
Application May 4, 1942, Serial No. 441,672
2 Claims. (Cl. 192—45.1)



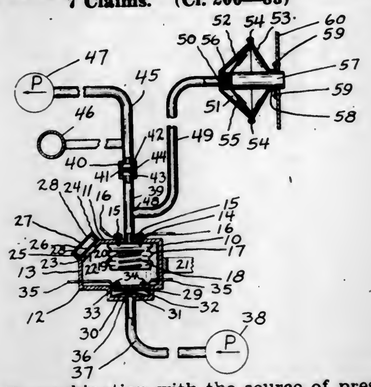
1. A lock bar shaft coupling adapted for automatically releasing a connected shaft section when an excessive rotating force is applied therethrough, comprising a housing casing formed with a central cylindrical recess chamber provided with connected shaft recesses through opposite ends thereof positioned concentric with the chamber axis, a driving shaft section rotatably mounted through one housing end recess, a driven shaft section fixedly mounted within the opposite housing recess and made integral therewith, said driving shaft section being formed with a cylindrical drum head on the inner end thereof rotatably mounted within the housing chamber, said drum head being slotted diametrically forming a driving contact point on one side wall and a pair of oppositely disposed centralizing shoulders engageable in the opposite directional rotation, a lock bar formed with circular ends rotatably mounted within the housing chamber within the drum head slot, said lock bar being designed and positioned to engage the chamber walls at a predetermined locking angle and lock therewith when so displaced under pressure applied through the driving shaft section, but will be released and centralized within the chamber recess whenever an excessive rotating force is applied in the same direction through the connected driven shaft section.

2,347,296
SEAL PACKING
Howard D. Starr, Los Angeles, Calif.
Application October 27, 1941, Serial No. 416,759
4 Claims. (Cl. 286—19)



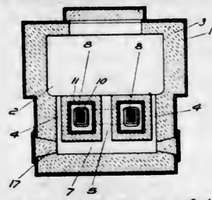
1. A fluid seal comprising a tubular support, a shaft extending therethrough, a cylindrical member interposed between the support and shaft and having an annular cavity adjacent each end thereof in communication with the shaft, an inwardly directed flange at each end of the tubular support extending completely over the ends of the cylindrical member and terminating in proximity of the shaft, each end of the bore in the cylindrical member slightly flaring outwardly, and passageways through the tubular support and central portion of the cylindrical member for feeding a sealing medium to the annular cavities.

2,347,297
SAFETY SYSTEM FOR ENGINES
Edward Stellingwerf, Remsen, Iowa
Application January 17, 1942, Serial No. 427,208
7 Claims. (Cl. 200—83)



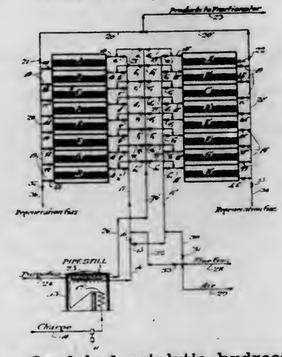
4. In combination with the source of pressure and an electrical circuit, diaphragm means for breaking the electrical circuit when the source of pressure is not operating, including a pair of contacts in said electrical circuit, a contact bar for bridging said contacts, said contact bar being attached to the diaphragm, an emergency control for bridging said contacts upon failure of the source of pressure, said emergency control adapted to provide a partial vacuum above the diaphragm, said emergency control including a chamber, an expansible bellows within said chamber, a tube communicating with said bellows, a further chamber communicating with said tube and including a stretchable diaphragm therein whereby release of said diaphragm after pressure thereagainst will cause a vacuum to be formed in said bellows, the collapsion of which will form a partial vacuum in said chamber, means for forcing said stretchable diaphragm including a plunger member engaged thereagainst, a further tube communicating with said tube including an upwardly opening valve, said further tube communicating with a source of suction, said valve having a small opening therein.

2,347,298
TWIN COIL FURNACE
Mario Tama, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J.
Application November 13, 1943, Serial No. 510,227
15 Claims. (Cl. 13—29)



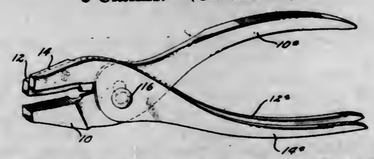
1. In an induction furnace of the submerged resistor type, particularly for melting light metals, an upper hearth, a secondary loop underneath the said hearth, two primary coils threading the secondary loop, the said secondary loop consisting of two rectangular branches formed by one straight substantially vertical center channel, two straight substantially vertical lateral channels and a substantially horizontal bottom channel; the said vertical channels connecting the hearth and the bottom channel, each of the said channels having a substantially uniform cross section over its entire length.

2,347,299
CATALYTIC HYDROCARBON CONVERSION PROCESS
Ernest W. Thiele, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application January 31, 1941, Serial No. 376,766
10 Claims. (Cl. 196—50)



1. In a fixed bed catalytic hydrocarbon conversion system wherein a plurality of catalyst beds are connected for both individual and parallel flow, the method of operation which comprises preheating a charging stock to vaporize it and heat it to conversion temperature, passing the hot vaporized charging stock through at least one of said beds at a sufficiently high space velocity to avoid substantial over-treating and to obtain a desired conversion rate, continuing the treating therein until the catalyst becomes partially deactivated and the desired conversion is no longer obtained at said high space velocity then discontinuing the flow through said bed and introducing the hot vaporized charging stock into at least one other bed at such high space velocity as to substantially avoid over-treating and to obtain a desired conversion rate, continuing the treating therein until the catalyst becomes partially deactivated and the desired conversion is no longer obtained, and subsequently passing the hot vaporized charging stock in parallel through both beds at a lower space velocity for effectively utilizing the partially deactivated catalyst and maintaining the desired conversion without substantially altering the charging rate to the conversion system or the conditions in the preheating step.

2,347,300
TOOL
Morton E. Thierwechter, Toledo, Ohio
Application September 12, 1942, Serial No. 458,675
5 Claims. (Cl. 81—47)



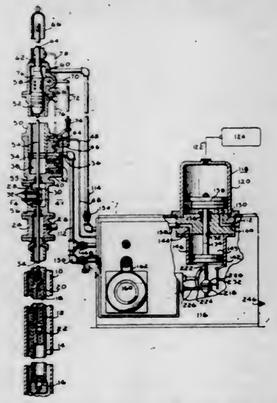
1. A tool of the plier type having at least three pivotally connected relatively movable jaw mem-

bers arranged for at least two companion jaws to oppose at least one anvil jaw in gripping an article, each jaw member having an individual control handle projecting therefrom at a side of the pivotal connection opposed to the jaw members and arranged to be grasped by a single hand and independently operated thereby to move the members, one of said companion jaws having a recess formed therein and another companion jaw having a projection entering said recess, whereby to restrict the range of independent movement of said companion jaws.

2,347,301
POWER TRANSMISSION

L. Raymond Twyman, Jesse R. Moser, and Howard E. Rose, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application April 22, 1940, Serial No. 330,926
4 Claims. (Cl. 60—52)



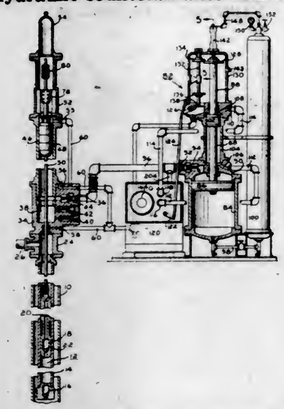
4. In a hydraulic pumping system for an oil well having a sucker rod string extending to the top of the well, the combination of hydraulic work ram means connected to the sucker rod string, air-loaded hydraulic counterbalancing means including a pressure chamber having a piston therein, a closed coupling circuit connecting said piston with the work ram means, pressure generating means effective to deliver fluid alternately in either direction, and means forming a power circuit isolated from the coupling circuit and including said generating means, said power circuit including oppositely acting ram areas, one of which is mechanically connected to said piston to displace fluid in the coupling circuit.

2,347,302
POWER TRANSMISSION

L. Raymond Twyman, Jesse R. Moser and Howard E. Rose, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application August 26, 1940, Serial No. 354,204
2 Claims. (Cl. 60—52)

1. A transmission system for a reciprocating oil well pump comprising hydraulic work ram means, an air-loaded hydraulic counterbalance ram, a closed coupling circuit connecting the counterbalance ram in free communication with the work ram means, a fluid pressure generating means, means forming a power circuit isolated from the coupling circuit and including said generating means, said power circuit including a double-acting fluid motor mechanically connected to said hydraulic counterbalance ram and driven



by said generating means through said power circuit, and means controlled by the position of the counterbalance ram for reversing the flow of fluid through said power circuit.

2,347,303
METHOD OF PREPARING WRINKLE COMPOSITIONS

William A. Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

No Drawing. Original application December 5, 1941, Serial No. 421,769. Divided and this application September 4, 1942, Serial No. 457,332
2 Claims. (Cl. 106—243)

1. In the method of manufacturing wrinkle coating compositions, the step comprising adding to a wrinkle varnish base including a bottom drier and a top drier, a texture modifying agent comprising linseed oil fatty acids and a solvent therefor.

2,347,304
METHOD OF PREPARING WRINKLE COMPOSITIONS

William A. Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

No Drawing. Original application December 5, 1941, Serial No. 421,769. Divided and this application September 4, 1942, Serial No. 457,333
2 Claims. (Cl. 106—243)

1. In the method of manufacturing wrinkle coating compositions, the step comprising adding to a wrinkle varnish base including a bottom drier and a top drier, a texture modifying agent comprising a mixture of fatty acids of linseed oil and China-wood oil and a solvent therefor.

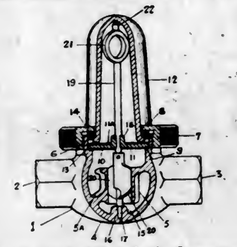
2,347,305
FLUID FLOW INDICATOR

Richard Fife Walker, Cheltenham, England, assignor to Walker, Crosweller & Company, Limited, Cheltenham, England

Application November 14, 1942, Serial No. 465,585
In Great Britain October 31, 1941
3 Claims. (Cl. 116—117)

1. A flow indicator comprising a body having fluid inlet and outlet ports, an internal chamber

through which the fluid is constrained to flow between said ports, an enlargement in which said chamber is carried by a partition which divides said enlargement into separate compartments, a pocketed boss located co-axially with the chamber on one side of the partition and containing a ball bearing, a body opening located co-axially with the chamber on the other side of the partition, a disc having a central journal bearing, seated on an annular shoulder within said open-

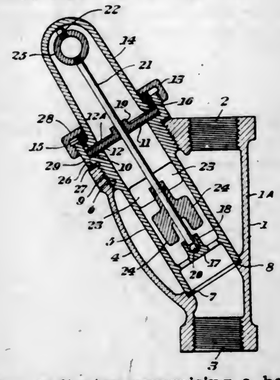


ing, a transparent inverted dome on said disc, means for effecting fluid tight joints between said dome, disc and seating, a spindle seated on one end on said ball bearing and extending through said chamber, journal bearing and body opening into contact with the crown of said dome, propeller blades carried by said spindle within said chamber and spindle carried means housed within the dome for indicating when the said spindle is rotated by the flow of fluid through the chamber over the blades.

2,347,306
FLUID FLOW INDICATOR

Richard Fife Walker, Cheltenham, England, assignor to Walker, Crosweller & Company Limited, Cheltenham, England

Original application November 14, 1942, Serial No. 465,585. Divided and this application April 6, 1943, Serial No. 481,976. In Great Britain October 31, 1941
10 Claims. (Cl. 116—117)

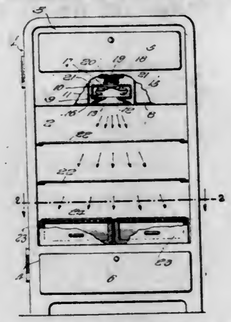


1. A flow indicator comprising a body having fluid inlet and outlet ports and an internal chamber, and a sleeve extending into engagement with a seating in said chamber and thereby cutting off the inlet port from the outlet port, said sleeve having apertures therein for re-establishing said communication, a bladed spindle carried within the sleeve and extending into a transparent dome outside the sleeve and adapted to be rotated by fluid flowing over the blades in passing through the sleeve from the inlet to the outlet port.

2,347,307
IRRADIATING REFRIGERATOR AND THE LIKE

Stewart C. Whitman, deceased, late of New York, N. Y., by Helen Whitman, administratrix, New York, N. Y.

Original application April 4, 1941, Serial No. 386,936. Divided and this application November 12, 1941, Serial No. 418,800
4 Claims. (Cl. 250—51)

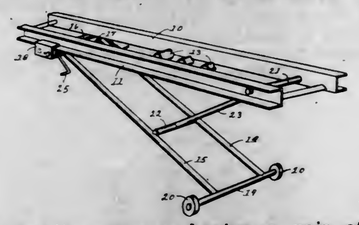


1. In an irradiated refrigerator, a refrigerator casing having a refrigerating chamber and a compartment separated by a wall from said chamber, said wall having a slot therein a chamber within and closed against the compartment and having an open side facing the slot in said wall, and an ultraviolet tube disposed within the chamber of the compartment and comprising an envelope having a discharge portion and a flaring transmission portion communicating at its contracted side with the tube and provided at its enlarged side with a lens facing the open side of the chamber and slot in the wall and lying substantially in the plane of said wall, and electrodes in said discharge chamber for producing ultraviolet rays.

2,347,308
CONVEYER

Bert Woldring and James R. Sebastian, Grand Rapids, Mich., assignors to Rapids-Standard Co., Inc., Grand Rapids, Mich., a corporation of Michigan

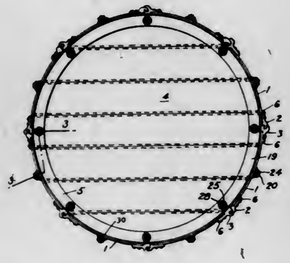
Application November 22, 1943, Serial No. 511,232
1 Claim. (Cl. 193—35)



A gravity conveyer having a pair of rails spacedly secured together and means for selectively adjustably varying the inclination of the spaced rails comprising a pair of members each longitudinally slidable on a rail and secured together by a shaft rotatably disposed therebetween, supporting means for the conveyer secured at one end to the shaft, a second shaft rotatably secured between the rails in spaced relation to the first shaft, a connecting link secured between the second shaft and said supporting means, and an eccentric collar rotatably

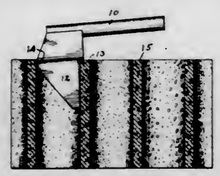
carried adjacent each opposite end of the first shaft whose cammed surface is adapted to be manually rotated into engagement with its proximate rail.

2,347,309
KNOCKDOWN TANK
Stephen W. Zeldok, Oakland, Calif.
Application March 7, 1941, Serial No. 382,207
1 Claim. (Cl. 220—5)



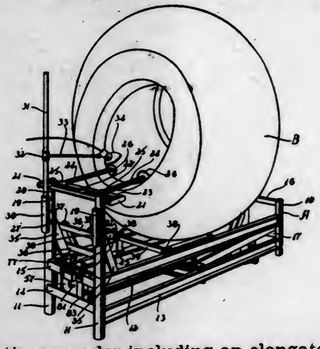
A knock-down tank comprising vertical tank wall sections each fitted on its opposite vertical edges with hook-shaped plates for hooking two adjacent edges together to form a lock joint, said hook-shaped plates of each joint being complementally formed to pass into hooking and unhooking engagement by lateral swinging movement of one of the sections relative to the other as well as by vertically sliding them into engagement, said hook-shaped plates formed of separate strips of metal secured respectively to the edges of the sections and each strip formed with a thicker portion overlying the extreme edge of the tank wall section and formed with a step to receive the edge of the section, and said thicker portions meeting for portion of their thickness in edgewise abutting engagement with one another substantially in the plane of the tank wall and one of the edgewise abutting portions formed with a projecting aligning lip seating in a depression in the other abutting portion.

2,347,310
CONCRETE BLOCK LIFTER
Emil F. Zuber, Peoria, Ill., assignor to The Michigan Silo Company, Kalamazoo, Mich., a corporation of Michigan
Application December 14, 1943, Serial No. 514,250
5 Claims. (Cl. 294—15)



1. A block lifter for engagement against vertical core hole walls of a block, comprising a handle and a pair of spaced apart legs extending downwardly therefrom, each of said legs having a block core wall contacting heel on its outer edge, and a shoulder spaced below said handle on its inner edge limiting insertion into the block core.

2,347,311
TIRE SPREADER
Charles Earl Branick, Fargo, N. Dak.
Application July 31, 1940, Serial No. 348,934
5 Claims. (Cl. 154—9)

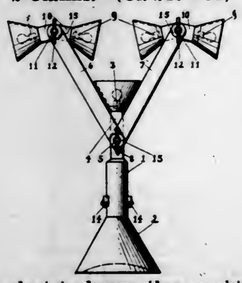


1. A tire spreader including an elongated horizontal frame, a movable carriage longitudinally movable on said frame and designed to support a casing arranged transversely to the frame on a horizontal axis, hook means pivotally secured to said frame adjacent one end thereof, and relatively movable hook means engageable with the other side of the casing, and means for forcing the two hook means apart for spreading the casing.

2,347,312
METHOD OF PRODUCING TRIMETHYLOLNITROMETHANE
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1939, Serial No. 301,235
3 Claims. (Cl. 260—635)

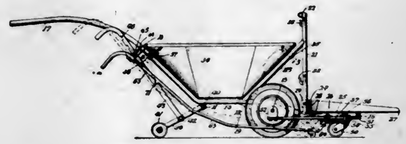
1. The process for the preparation of trimethylolnitromethane which comprises condensing mononitromethane with formaldehyde in an alkaline medium comprising a monohydric aliphatic alcohol containing from four to six carbon atoms.

2,347,313
ELECTRICALLY LIGHTED LAMP
Evelyn Dore, New York, N. Y.
Application April 26, 1943, Serial No. 484,569
2 Claims. (Cl. 240—81)



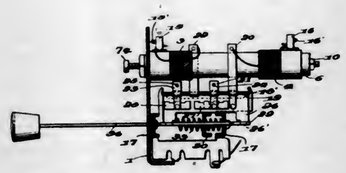
1. In an electric lamp, the combination of a conical base, an upright shaft fixed thereon and carrying conductors for electricity and having switches at its outer side, a flat vertical member extending from the upper end of said shaft, a central electric light fixture having an inverted conical lamp shade secured to the upper end of said vertical member, flat arms pivotally connected to said vertical member by means of a screw and a wing nut, and flat parts being pivotally connected to said flat arms and carrying electric light fixtures, all substantially as set forth.

2,347,314
WHEELBARROW
Joseph W. Droll, Wilmette, Ill.
Application December 15, 1941, Serial No. 422,939
8 Claims. (Cl. 214—65)



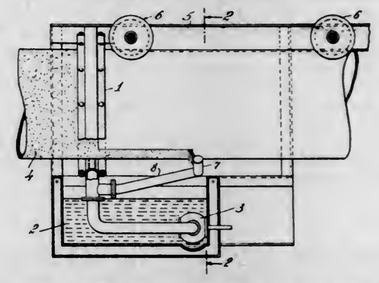
1. In a wheelbarrow, the combination of a carrying-wheel, a frame supported to tilt vertically and extending longitudinally fore-and-aft of the wheel, handle-members on the frame, a load-carrying platform supported by the frame in the front of the wheel and near the ground and having an edge at its front end which is adapted to be tilted onto the ground, and means for detachably securing the platform on the front portion of the frame.

2,347,315
RADIO RECEIVER
John V. Fill, Dobbs Ferry, N. Y., assignor to Ferrocart Corporation of America, Hastings on Hudson, N. Y., a corporation of Delaware
Application August 2, 1940, Serial No. 349,568
1 Claim. (Cl. 250—40)



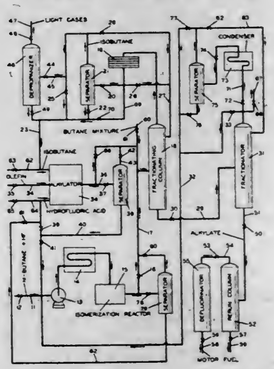
In a tuning device for a superheterodyne radio receiver, a station selector comprising a mounting plate, a plurality of tuning units carried by said plate; each tuning unit including a tube carrying an antenna coil and an oscillator coil in spaced relation, a ferromagnetic core for each coil, and means connecting said cores to each other for simultaneous adjustment; and a switch assembly including a frame secured to said mounting plate, a plate of insulating material on said frame and extending along said tuning units, sets of switch terminals carried by said plate of insulating material adjacent each tuning unit, a switch plate for each tuning unit, said switch plates extending through said frame and being guided thereby for reciprocating movement, an insulating strip mounted on each switch plate and carrying contacts for engagement with one set of switch terminals, and connections between the coils of each tuning unit and certain terminals of the set of switch terminals adjacent that unit.

2,347,316
APPARATUS FOR COATING PIPE
William F. Focha, Westfield, N. J., assignor to Wailes, Dove-Hermiston Corporation, a corporation of New York
Application October 16, 1941, Serial No. 415,273
7 Claims. (Cl. 91—44)



2. Apparatus for coating pipe with hot liquid bitumen which comprises an annular duct, a plurality of orifices spaced around the duct, an auxiliary nozzle spaced from the annular duct and extending part way around the pipe for applying bitumen to the bottom only of the pipe, means for forcing jets of hot liquid bitumen against the pipe through the duct orifices and the nozzle, and means for effecting a relative movement of the pipe and the jets longitudinally of the pipe in such a direction that the auxiliary multiple jet nozzle applies a coat to the bottom of the pipe in advance of the coat applied through the annular duct orifices.

2,347,317
TREATMENT OF MIXTURES OF HYDROCARBONS AND HYDROFLUORIC ACID
James D. Gibson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 6, 1942, Serial No. 437,898
4 Claims. (Cl. 260—683.4)



1. In a combination isomerization-alkylation process in which there is produced a mixture comprising isobutane, normal butane, hydrocarbons boiling higher than normal butane, and hydrofluoric acid in excess of that required to form azeotropic mixtures with all the isobutane and with all the normal butane, the steps which comprise distilling the mixture to produce an overhead azeotropic mixture comprising isobutane and hydrofluoric acid and a bottom fraction compris-

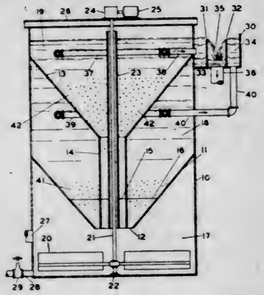
ing normal butane, hydrocarbons boiling higher than normal butane, and hydrofluoric acid in excess of that required to form an azeotropic mixture with all the normal butane; passing said overhead azeotropic mixture comprising isobutane and hydrofluoric acid to an alkylating zone; passing said bottom fraction to a second distilling column and distilling an azeotropic mixture of hydrofluoric acid and normal butane overhead and retaining hydrocarbons boiling higher than normal butane in the kettle; cooling and separating the overhead distillate into two liquid phases, withdrawing substantially all of the hydrofluoric acid phase and a substantial proportion of the normal butane phase; passing these withdrawn materials to an isomerizing zone; and returning the remainder of the normal butane phase as reflux to the distillation column.

2,347,318

METHOD OF AND APPARATUS FOR TREATING LIQUID

William Brewster Gurney, Baton Rouge, La., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application December 16, 1939, Serial No. 309,548
13 Claims. (Cl. 210—16)



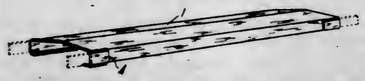
1. The method of treating liquid which comprises mixing said liquid with a treating agent in a coagulating zone, flowing the mixture of liquid, treating agent, and partly formed sludge upwardly from said coagulating zone in separate and divided streams into a plurality of precipitating zones, flowing the respective portions of said mixture upwardly in each of said precipitating zones at decreasing velocity, maintaining a sludge filter bed suspended in each of said precipitating zones, removing excess sludge from the liquid being treated, withdrawing clarified liquid from said precipitating zones, and maintaining a predetermined relation between the rates of flow of said divided streams.

2,347,319

HANDLE HANGER PACKAGE

Eugene D. Hanset, Portland, Oreg.

Application October 28, 1940, Serial No. 363,191
2 Claims. (Cl. 1—56)



1. A support for hangers, said hangers having two downwardly and inwardly projecting leg portions, said support comprising an elongated body member having two side walls formed integral with a flexible top wall, said top wall when in a normal or relaxed position being of greater width than the distance between the downwardly extending legs of the hanger, whereby said side walls of the body member will bear against the said legs of the hangers when the hangers are applied to the body member for maintaining them in position thereon.

2,347,320

CASTING COMPOSITION

James R. Hiltner, Morrisville, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application June 27, 1940, Serial No. 342,663
7 Claims. (Cl. 18—55)

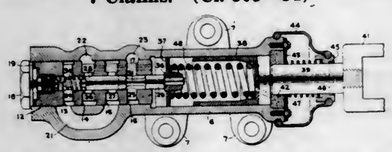
1. A process for the preparation of bubble-free cast objects of methyl methacrylate polymer of considerable thickness which comprises mixing from 30 to 70 parts of granular polymeric methyl methacrylate with from 70 to 30 parts of monomeric methyl methacrylate, pouring the said mixture prior to its setting to a gel into a mold, heating the same under a fluid pressure of from 50 to 75 lbs. per square inch to a temperature of from 75 to 150° C. until the monomeric methyl methacrylate is polymerized, and cooling the polymeric material while maintaining the fluid pressure.

2,347,321

PRESSURE CONTROL VALVE

Matthew W. Huber, Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company, a corporation of New Jersey

Application November 12, 1942, Serial No. 465,363
7 Claims. (Cl. 303—54)



1. A self-lapping hydraulic valve mechanism comprising in combination, a ported seat; a coacting slide valve having positive lap and controlling admission and exhaust flows through ports in the seat by motion in opposite directions from its lap position; means responsive to pressures established by admission flow past the valve, and serving to urge the valve in its exhaust direction; and manually operable loading means for urging said valve in its admission direction, said means including a spring member so arranged that its scale increases with increases of stress in the spring.

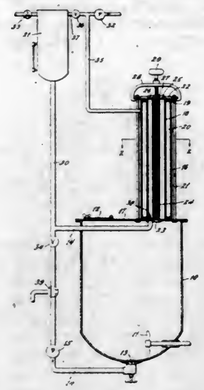
2,347,322

METHOD OF EXTRACTING DRUGS

William H. Jackson, Great Neck, N. Y.

Substituted for abandoned application Serial No. 118,696, December 31, 1936. This application March 7, 1941, Serial No. 382,223
6 Claims. (Cl. 99—140)

1. The method of producing extract of vanilla from the crude drug which is characterized by introducing a batch of the crude drug with its extractive liquid into a container; cutting up and agitating the drug to convert it into filter fibers about ½ inch long and a finely divided pulpy mass; continuing the agitation and pumping a portion of the turbid batch through a filter strainer to deposit the filter fibers and pulp on the strainer; stopping the pumping operation and squeezing the fibers and retained pulpy mass against the filter strainer to form a filter cake; returning the turbid extract squeezed out of the cake to the container and then forcing the turbid



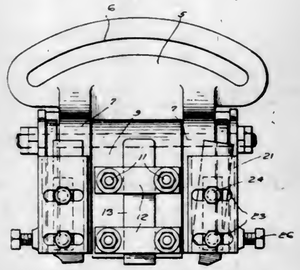
extract with the remaining pulpy dregs left in the container through the filter cake.

2,347,323

TOOLHOLDER FOR METAL PLANERS

Lemuel Pierce Jarrell, Huntington Park, Calif.

Application November 24, 1942, Serial No. 466,747
4 Claims. (Cl. 90—52)



1. A tool holder of the class described comprising a clapper box, a plurality of tool holders carried by the clapper box and including a central tool holder and a pair of side tool holders, a hinge pin providing a common pivotal mounting for all of said holders, and means for individually securing the holders against movement on the clapper box.

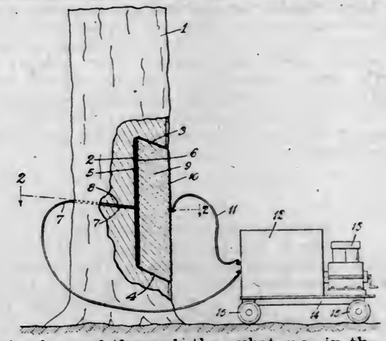
2,347,324

METHOD OF TREE TREATMENT

Nels J. Johnson, Evanston, Ill.

Application May 14, 1943, Serial No. 486,952
1 Claim. (Cl. 47—8)

The method of treating cavities in trees and the like, which includes cleaning the interior of the cavity, inserting in the interior of the cavity an electrode, passing a conductive connection from said electrode to the exterior of the tree, filling the cavity with a substance having, when subjected to heat, the general physical characteristics of the surrounding wood so far as relates to contraction and expansion in response to heat changes, and as to flexibility in response to flexure of the tree, applying a second electrode to the exterior of the filling so formed, and passing high frequency alternating current between the



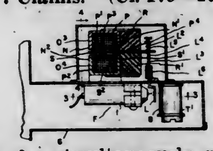
electrodes and through the substance in the cavity.

2,347,325

COMPOSITE SOUND RECORD AND REPRESENTATIVE GRAPH AND MEANS FOR PRODUCING THE SAME

Harry M. Kirschbaum, Detroit, Mich.

Application October 13, 1941, Serial No. 414,878
7 Claims. (Cl. 179—100.3)



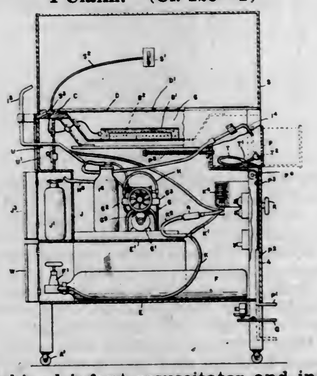
1. Means for simultaneously recording sound and a representative visual graph thereof comprising microphonically controlled means for generating an undulatory electric current corresponding to the sound, means controlled by a split portion of said current for forming the sound record, and means controlled by another split portion of the current for forming the representative visual graph of the sound in such juxtaposition to said sound record as to be capable of substantially simultaneously reproducing the sound and displaying the graph.

2,347,326

COMBINED INFANT RESUSCITATOR AND INCUBATOR

Harry M. Kirschbaum, Detroit, Mich.

Application February 9, 1942, Serial No. 430,139
1 Claim. (Cl. 128—1)



A combined infant resuscitator and incubator comprising a portable frame forming a carriage

for resuscitating apparatus, a bed or operating table formed on top of said frame on which the new born infant may be laid in accessible position for resuscitation, said bed including an open mesh screen for supporting the bedding, a chamber within said frame beneath said screen, air heating and humidifying means within said chamber, and a removable enclosure engageable with the top of said frame for surrounding the infant on said bed after resuscitation and forming an incubator.

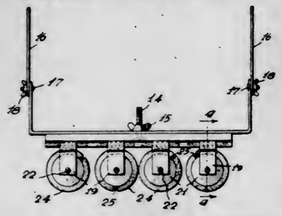
2,347,327

MASSAGING APPARATUS

Bessie P. London, Baltimore, Md.

Original application November 18, 1941, Serial No. 419,656, now Patent No. 2,328,156, dated August 31, 1943. Divided and this application July 30, 1943, Serial No. 496,790

5 Claims. (Cl. 272—57)



1. A massaging apparatus comprising a frame member, a plurality of brackets having rollers mounted thereon, means on said frame for slidably receiving said brackets, and spring members for frictionally holding said brackets on said frame.

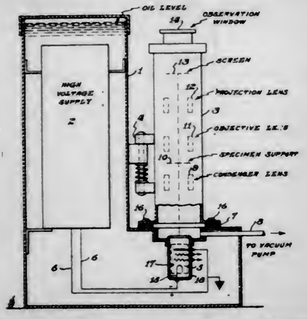
2,347,328

ELECTRON MICROSCOPE

Ladislaus Marton, Palo Alto, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application June 30, 1942, Serial No. 449,055

11 Claims. (Cl. 250—49.5)



1. Supporting structure for an electron image device including a power supply, an electron gun, electron focusing means and electron image means, comprising an oil-tight tank having a vertical portion for said power supply and a horizontal portion enclosing said electron gun, a housing for said focusing and image means, hinge means attached to said tank and supporting said housing at an angle with said horizontal portion, vacuum sealing means disposed between the lower end of said housing and said horizontal portion of said tank, and evacuating means common to said housing and said electron gun.

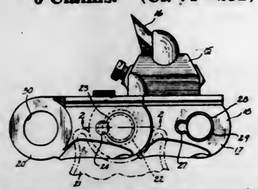
2,347,329

HOLDING DEVICE

Harry M. Morrow, Canton, Ohio, assignor to The Bowdil Company

Application February 12, 1943, Serial No. 475,637

6 Claims. (Cl. 74—251)



1. In combination with a member having a first and a second side and having a main opening extending therethrough from one side to the other and a pin fitting in the main opening with an exposed end of the pin lying substantially flush with the first side of the member, the said member also having adjacent one side of the main opening a secondary opening forming a bay therewith, of holding means to oppose disengagement of the pin from the main opening, said holding means including a rivet having a head engaging the second side of the member in the vicinity of the secondary opening and having a stem passing through the secondary opening and disposed adjacent the pin, said stem of the rivet being upset and overlapping a portion of the first side of the member and a portion of the exposed end of the pin to oppose disengagement of the pin from the main opening.

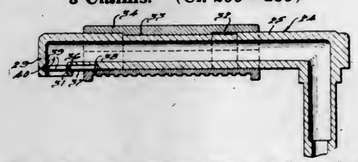
2,347,330

FAUCET

Roswell L. Noyes, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application January 10, 1941, Serial No. 373,991

3 Claims. (Cl. 299—139)



1. In a faucet construction, a faucet proper having an extending delivery portion, an insulating handle movable on said portion, and a perforated element attached to and movable by said handle across the opening of said faucet portion.

2,347,331

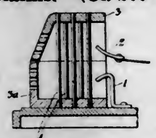
ARC-EXTINGUISHING CIRCUIT BREAKER

Henri Perret, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a body corporate of Switzerland

Application April 3, 1942, Serial No. 437,472

In Switzerland April 9, 1941

3 Claims. (Cl. 200—144)



1. A blow-out chamber for small magnetic arc extinguishing circuit breakers in which parallel rods of non-conducting material are arranged and support metallic plates extending into the path of the arc-dispersion.

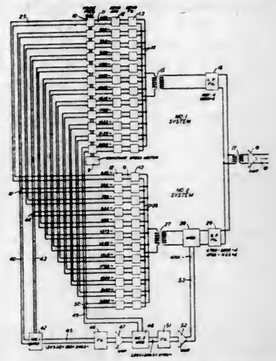
2,347,332

CARRIER CURRENT TELEGRAPH SYSTEM

Walter A. Phelps, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 28, 1942, Serial No. 456,469

9 Claims. (Cl. 178—51)



9. In a carrier telegraph system, a group of channels having carrier frequencies in a low range, a group of channels having carrier frequencies in a high range above said first range, means to generate the carrier waves in the first-mentioned range with the desired frequency spacing and phase relationships, means to provide similar frequency spacings and phase relationships for the carrier waves of the second-mentioned range comprising means to modulate waves having frequencies in said first range and derived from said first means, with a wave of fixed frequency and predetermined phase to shift the frequencies of said derived waves into said high range, and means to derive said wave of fixed frequency and predetermined phase by intermodulation between certain of the carrier waves in said first range.

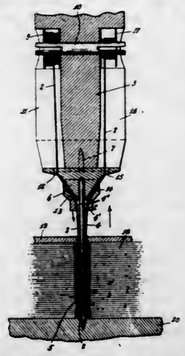
2,347,333

MARKING TOOL

Stanley Herbert Phillips, Stratford, Conn., assignor to The Warner Brothers Company, Bridgeport, Conn., a corporation of Connecticut

Application June 26, 1942, Serial No. 448,574

12 Claims. (Cl. 101—26)



1. In combination, a thread of absorbent material having a transferable coloring substance therein, a needle having an eye through which said thread is passed, supply and take-up means for said thread, and means for passing said needle and said thread into and out of a plurality of fabric layers for imparting color thereto.

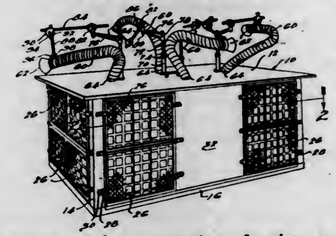
2,347,334

APPARATUS FOR REMOVING FOREIGN MATERIAL FROM AIR

Francis A. Schmieg, Franklin Village, Mich., assignor to Schmieg Industries, Detroit, Mich., a firm consisting of himself and John D. Schmieg, Pleasant Ridge, Mich.

Application March 3, 1943, Serial No. 477,823

3 Claims. (Cl. 98—115)



1. Apparatus for removing foreign material from air, comprising a portable work bench having a work surface thereon, means providing a suction chamber under said work surface, means providing a plurality of apertures through said surface at spaced places on said surface and communicating with said suction chamber, an elongated flexible conduit member extending through each of said apertures having its outlet communicating with the interior of said suction chamber, adjustable means mounted on said surface and connected to the conduit members adjacent the inlets thereof for adjustably positioning each of said inlets, a suction fan having its inlet disposed within said suction chamber above the bottom of said chamber, means defining a plenum chamber around said suction chamber below and within the projected area of said work surface, said last named means including air filtering members, the outlet of said fan being directed into said plenum chamber, and means disposed adjacent said outlet to diffuse the air discharged through said outlet within the plenum chamber.

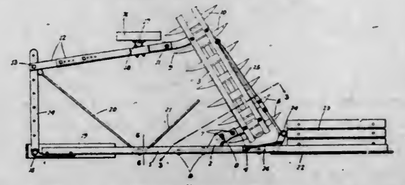
2,347,335

DITCH CLEANER

John S. Sousa, Goshen, Calif.

Application December 23, 1942, Serial No. 469,936

3 Claims. (Cl. 37—80)



2. A ditch cleaner comprising an elongated draft beam, a disc gang projecting laterally from one side of the draft beam intermediate its ends, means connecting the disc gang adjacent its inner end with the draft beam, a lateral beam projecting in rigid relation from the same side of the draft beam as the disc gang from a point ahead of said gang, a tension link connected between outer end portion of the disc gang and said lateral beam, a ground engaging wheel

mounted on the link closely adjacent said outer end portion of the disc gang; said connecting means being arranged to permit of adjustment of the angle of projection of the disc gang and means to adjust the effective length of the link; the point of adjustment of said link being ahead of the wheel.

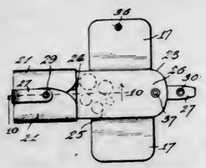
2,347,336
DETERGENT COMPOSITION
Herbert Seyferth, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application January 4, 1939, Serial No. 249,245
6 Claims. (Cl. 252—161)

1. A detergent composition comprising essentially an alkyl mono-nuclear aromatic sulfonate having at least 12 carbon atoms in the alkyl group, and a water-soluble alkyl ether of cellulose in a weight ratio of not more than 1 part of the cellulose ether to about 10 parts of the sulfonate.

2,347,337
SYNTHESIS OF TERPENE COMPOUNDS
Donald H. Sheffield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 28, 1941, Serial No. 395,613
9 Claims. (Cl. 260—611)

1. A method for preparing aliphatic polyhydric alcohol terpene ethers of reduced odor which comprises reacting a turpentine with ethlene glycol in a medium comprising a lower alkyl monohydric alcohol and an acid catalyst and recovering ethylene glycol terpene ethers produced by the reaction.

2,347,338
COMBINED BILLFOLD AND COIN PURSE
Lester L. Sherwood, Los Angeles, Calif.
Application April 21, 1942, Serial No. 439,829
6 Claims. (Cl. 150—35)

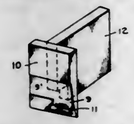


1. In a combined bill fold and coin purse, a rectangular section of thin flexible material folded at its center to provide front and rear walls, pairs of spaced longitudinally disposed slits formed in the material forming said front and rear walls, a pair of members formed of thin flexible material arranged at right angles on the end portions of said first mentioned member, with their intermediate portions passing through the slits in said first mentioned member, the end portions of said second mentioned members providing overlapping flaps on the inside of the end portions of said first mentioned member there being transverse slits formed in the material providing said free and rear walls and a longitudinally disposed strap extending through the transverse slits in said first mentioned member, and passing around the same and around the end portions of the second mentioned members when in folded condition.

2,347,339
METHOD OF PRESERVING FRUIT JUICES
Gray Singleton, Fort Meade, Fla.
No Drawing. Application October 22, 1942, Serial No. 462,967
3 Claims. (Cl. 99—155)

1. The process for preserving citrus fruit juices which comprises expressing the juice from the fruit, adding approximately ⅓ of a teaspoonful of salt to each gallon of juice to prevent the acid of the fruit from acting on the subsequently filled containers, boiling the juice in a container formed of a material which will not have a catalytic effect on the ascorbic acid content of the juice, heating said juice to the boiling point and maintaining the temperature from five to fifteen minutes to cause the fats, oils and other substances which cause rancidity to be separated from the juice and floated on the top, removing the separated substances, and then sealing the heated juice in containers.

2,347,340
PARTIAL REMOVABLE DENTURE
Harry M. Smallen, Brooklyn, N. Y.
Application March 3, 1941, Serial No. 381,516
1 Claim. (Cl. 32—5)

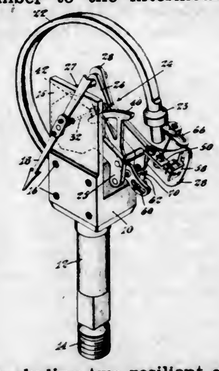


In a removable denture of the character described where there is a permanent tooth and a removable tooth, a socket member on one tooth, a substantially T-shaped anchor member on the other tooth and having a head fitting in said socket, said head having an L-shaped recess in the outer face thereof, one leg of said recess extending laterally across the head, the other leg of said recess extending along one side edge of said head from the laterally extending leg to the bottom edge of said head, an L-shaped insert slidably received in the L-shaped recess, said insert being of a thickness substantially equal to the depth of the laterally extending leg of said recess, the vertical leg of the insert being resilient, a bead on the lower free edge of the resilient vertical leg, the vertically extending leg of the recess being tapered downwardly and rearwardly to provide a space within which the beaded portion of the resilient leg of the insert may be depressed, all of the parts of said insert being disposed substantially within the surface of said head, and a teat in the socket member for cooperation with the bead on the resilient insert to removably retain the head within the socket member.

2,347,341
PRESSURE GAUGE
Robert Usher Rourke, Dudley, Mass., assignor to Waterhouse Company, Webster, Mass., a corporation of Massachusetts
Application October 27, 1942, Serial No. 463,490
2 Claims. (Cl. 73—109)

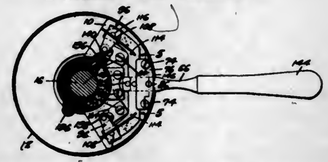
2. A pressure gauge comprising a pressure responsive member mounted for free movement at one end, a pointer movable about a fixed axis to indicate pressure, a pivoted member having one arm operatively connected to the pointer and a relatively shorter arm, an intermediate element, a flexible member fixedly connected to and

mounting the intermediate element at one end for oscillating movement thereof thereabout, and means connecting the shorter arm of the pivoted member and the movable end of the pressure responsive member to the intermediate element,



said means including two resilient elements each rigidly connected at one end to the intermediate element and connected at their other ends to the free end of the pressure responsive member and to the shorter arm of the pivoted member.

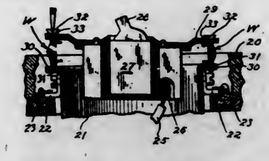
2,347,342
SWITCH
Thomas W. Thirlwell, Mount Vernon, Ohio
Application April 20, 1942, Serial No. 439,756
1 Claim. (Cl. 200—59)



In switch mechanism of the character described, a pivoted arm, a pivot pin fixed on and projecting from one side of the arm, a stop projection on the arm spaced from the pivot pin, a U-shaped member having parallel legs connected by a web at one end, said legs being provided with aligned openings, said U-shaped member being mounted on the arm with the pivot pin extended through the apertures, a pair of flanges formed on the opposed longitudinal edges of one of the legs of said member, one of said flanges having a hole therethrough and the opposite flange having a slot, a spring wire extended transversely through the hole and slot of the respective flanges and engaging the projection on the arm to bias the U-shaped member to a predetermined position on the arm, and a roller rotatably mounted between the legs at the open end of the U-shaped member adapted to engage means operable to swing said member against the restraining action of the spring.

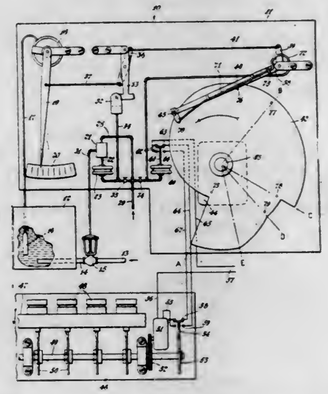
2,347,343
WASHER
John H. Thompson, Glendale, Calif., assignor to Ruel R. Thompson, Glendale, Calif.
Application August 13, 1941, Serial No. 406,651
3 Claims. (Cl. 85—32)

1. A washer of the character described, comprising; a body of resilient material having a connecting portion, and end portions at an angle to the connecting portion, said end portions having openings therein for the reception of a screw and disalined to place the body under compression when the screw is extended through



both of the openings to retain the screw in the end portions, said connecting portion being bowed outwardly from the end portions, and having a transverse outwardly extending bend medially of its ends.

2,347,344
CONTROLLING INSTRUMENT
James R. Waidelich, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application August 16, 1941, Serial No. 407,144
15 Claims. (Cl. 161—1)

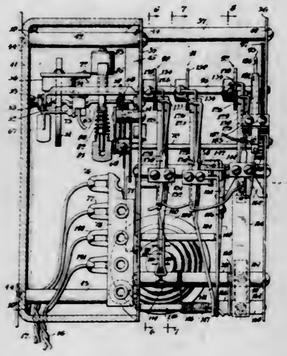


1. In an instrument for controlling a process cycle involving the coordination of regulation of a variable to a series of magnitudes characterizing said cycle together with the initiation of successive events in a sequence, a cam having its periphery conformed to a contour corresponding to values of said variable and having characteristic elements located thereon in positions corresponding to the timing of said events, follower means adapted to cooperate with said periphery in establishing said values and control means connected to said follower-means for movement therewith, and adapted to cooperate with said elements in initiating said events.

2,347,345
RADIOMETEOROGRAPH TRANSMITTING APPARATUS
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application December 31, 1941, Serial No. 425,026
8 Claims. (Cl. 177—380)

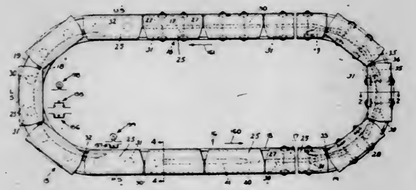
1. A meteorological transmitter for a radiometeorograph transmitter, comprising a plurality

of circuit-controlling instruments each having an element responsive to changes in an atmospheric condition and a contact assembly comprising two relatively movable contacts, the position of the contact assembly as a whole being controlled by



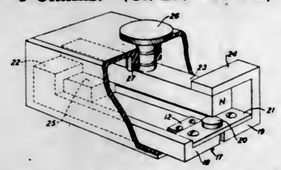
said element, a driving motor, a cam shaft driven by said motor, and a plurality of cams on said shaft, one for coacting with each of said contact assemblies, said cams being separately adjustable angularly on the cam shaft.

2,347,346
CONVEYER MECHANISM
Fred J. Wright, Powell, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 6, 1941, Serial No. 392,086
5 Claims. (Cl. 22—20)



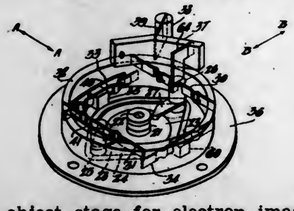
1. In apparatus of the character described, the combination with an endless train of carriers adapted to travel along a trackway, of hydraulic motor mechanism connected to the train to move the train such distance as to transfer a carrier with a mold thereon from a loading station to a pouring station, valve mechanism for controlling said hydraulic motor, an electro-magnet for operating said valve mechanism to start said motor, a device at the pouring station to signal the attendant at the latter station to be in readiness with the pouring ladle, a time relay for delaying the operation of said electro-magnet and starting of said motor a predetermined length of time after the operation of said signaling device, and circuits and connections controlled by a switch at said loading station for automatically operating said signaling device and enabling said time relay to effect after expiration of said predetermined length of time the operation of said electromagnet and the starting of said motor to shift the mold carrier to the pouring station.

2,347,347
VIBRATION TRANSLATING DEVICE
George R. Yenzer, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1942, Serial No. 456,224
5 Claims. (Cl. 179—100.41)



1. In a vibration translating device the combination with a signal coil and pole-pieces defining a gap for the coil, of a permanent magnet adapted to be moved between the pole-pieces to set up either a radial or a transverse flux in the gap.

2,347,348
ELECTRON MICROSCOPE OBJECT CHAMBER
Charles J. Young, Ardmore, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1942, Serial No. 449,051
7 Claims. (Cl. 250—49.5)

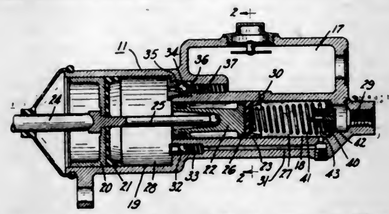


1. An object stage for electron image apparatus having an electron beam including in combination a frame member, first suspension means, means including said frame for resiliently supporting said first suspension means, first adjusting means for said first suspension means for providing unidirectional adjustment thereof normal to said electron beam, second suspension means, means including said first suspension means for resiliently supporting said second suspension means, second adjusting means for said second suspension means for providing unidirectional adjustment thereof normal to said electron beam and normal to the direction of adjustment of said first suspension means, and means supported by said second suspension means for supporting said object in the path of said electron beam.

2,347,349
MASTER CYLINDER
William J. Humphrey, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 2, 1942, Serial No. 429,153
4 Claims. (Cl. 60—54.6)

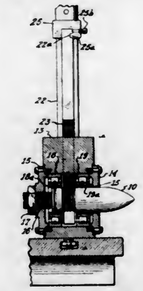
1. For use in a fluid pressure system having a fluid pressure operable motor, a two-stage fluid pressure controlling device comprising a fluid reservoir, a small diameter fluid containing chamber, a large diameter fluid containing chamber, a small diameter piston reciprocable in the small diameter chamber, a large diameter piston reciprocable in the large diameter chamber, a fluid connection between the small diameter chamber and the fluid operable motor, a one-

way fluid connection between the large diameter chamber and the fluid operable motor which permits flow of fluid from the chamber to the motor but not from the motor to the chamber, a fluid connection between the large diameter chamber and the reservoir, a valve controlling said last named fluid connection, a valve seat for said



last named valve when it is in one position, a second valve seat for said last named valve when it is in another position, the movement of the valve from one seat to the other being relatively slight, and resilient means urging the valve to the first seat, the pressure of fluid in the large diameter chamber tending to move the valve from the first seat toward the second seat.

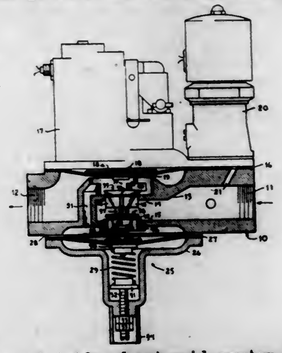
2,347,350
KNURLING MACHINE
Norbert A. Jung, Silverton, Ohio, and Harry F. Tenkotte, Covington, Ky., assignors to Aluminum Industries, Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 12, 1942, Serial No. 442,666
4 Claims. (Cl. 80—1)



1. A knurling tool for use with a hydraulic press comprising a jig, means for supporting a work piece in said jig in freely rotatable condition, a vertical slot in said jig, a cover plate cooperating with said slot to form a guide, a bar reciprocable in said guide, said bar carrying a knurling tool in a position to engage said work piece upon reciprocating movement of said bar and means for attaching said bar to the ram of said press.

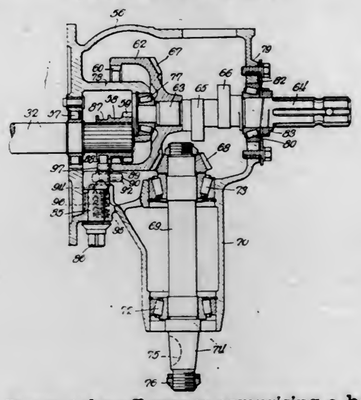
2,347,351
VALVE
Marvin R. Laing, Minneapolis, Minn., assignor to Mineapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 20, 1941, Serial No. 398,964
13 Claims. (Cl. 251—81)

1. In a balanced valve having a pair of spaced ports and a pair of valve members cooperable therewith to valve a fluid, the combination of, a first curved valve seat around one of said ports, the curve thereof being spherical about a center point, a second curved valve seat around the other of said ports, the curve thereof being spherical about substantially the same center point, and guide means to maintain said valve



members rotatably about said center point in a predetermined relationship to said valve seats to insure proper seating by said members.

2,347,352
TRANSMISSION
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application February 20, 1941, Serial No. 379,787
3 Claims. (Cl. 74—11)

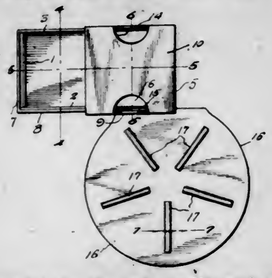


1. Power take-off means comprising a housing adapted to be mounted on the rear face of a combined transmission and differential and having the transmission countershaft extended therethrough, a first shaft in said housing having a combination gear at one end thereof, shiftable pinion on the countershaft extension in said housing engageable with one gear portion of said combination gear for driving said first shaft, a second shaft in said housing at right angles to said first shaft and means comprising another gear portion carried on said combination gear for driving said second shaft and a bearing for said first shaft intermediate the gear portions of said combination gear.

2,347,353
COMBINED ASH TRAY AND COASTER
Samuel R. Larzelere, Laurel Springs, N. J.
Application May 9, 1942, Serial No. 442,362
3 Claims. (Cl. 131—238)

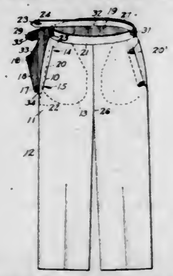
1. An ash tray comprising a single piece of foldable material, said tray including an elon-

gated rectangular bottom, side walls folded upwardly from the sides of the bottom and having ends extending beyond one end of said bottom, an inner end wall folded up from said end of the bottom and extending above the side walls, an outer end wall of the same height as the side walls folded on the extending end of one side wall and extending across the inner end wall against the extending end of the other side wall whereby said end walls are spaced apart to accommodate a match book therebetween, a supplemental side wall folded on the outer end wall and extending alongside said other side wall, and



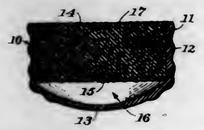
means to maintain the side walls and said outer end wall upright against unfolding and comprising a flap unit of a width corresponding to substantially one-half of the length of said bottom and side walls folded upwardly alongside the supplemental side wall and across the upper edges of said side walls and down along said one side wall and including an end flap interlocked with said one side wall, an intermediate flap of said unit forming a bridging member extending across substantially one-half of the top of the tray for holding cigarettes thereon and whereby the other half of the tray is open to receive cigarette ashes and butts.

2,347,354
GARMENT SIDE CLOSURE
Courinne G. Leubrie, New York, N. Y., assignor to Leopold Frank, New York, N. Y.
Application January 30, 1943, Serial No. 474,078
7 Claims. (Cl. 2—235)



1. In a garment, a front panel, a front waist band on the panel, a rear panel, a rear waist band on the rear panel, a side seam joining the panels and terminating at a point in substantial downward spaced relation to the waist bands to permit complete detachment of said panels from each other and upwardly from the side seams at the side of the garment, the front panel having a substantially upright and longitudinal opening therein between the top of said side seam and the front waist band, a side extension on the front panel extending rearwardly past the side seam and past said opening, a two-ply pocket having a side opening therein arranged at the opening of the front panel, the side edge of the rear ply of the pocket being secured to the side extension and the side edge of the front ply being secured to the front panel at the opening thereof, a form-fitting and stress-transmitting flap on the side edge of the rear panel extending forwardly past said side seam and of lesser height than the height of said opening in the front panel entering said opening when the garment is worn, concavely curved edges on said side edge of the rear panel above and below the flap, the lower of said curved edges extending to the side seam and the upper of said curved edges extending to the rear waist band to provide a projecting terminal tab on the rear waist band, a cooperating button and button hole connection on the adjacent ends of the waist bands to secure the ends of the waist bands together, and cooperating button and button hole connections carried by the flap and the front panel to button the flap on to and in overlapping relation to said side extension of the front panel with the end of the flap concealed within said opening, said flap conforming to the shape of the wearer's hip and transmitting stresses from the front panel to the rear panel and from the rear panel to the front panel.

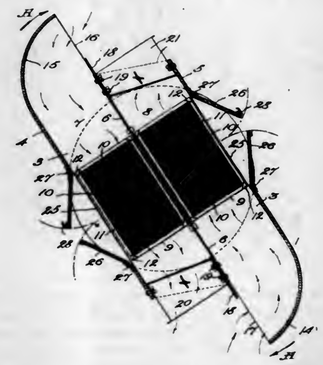
2,347,355
FACIAL CLEANER
George Louis Lindblad, Joliet, Ill.
Application December 23, 1941, Serial No. 424,211
1 Claim. (Cl. 15—244)



A facial cleaner comprising a cup-like member formed of rubber-like material and having substantially straight side walls cooperating to form a sponge receiving section, a mass of sponge-like material secured to the inner surface of the side walls and having an exposed skin engaging surface terminating adjacent the open end of the member, the base of said member being collapsible and rounded outwardly from the inner surface of the sponge to form therewith an air pocket, whereby when the sponge-like material is applied to the face, the base may be collapsed and constitute a diaphragm to force the air in the pocket through the mass of sponge-like material without substantially compressing said material and thereby produce a gentle respiratory action upon the skin.

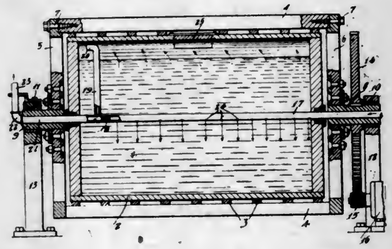
2,347,356
ROTARY AIR DRIER
Daniel H. Lutz, Kew Gardens, N. Y., assignor, by direct and mesne assignments, of fourteen and one-fourth per cent to Oakes E. Bishop, Chappaqua, four and three-fourths per cent to August C. Daum, Hawthorne, five per cent to Bernard Rickenback, Larchmont Manor, and five per cent to Morgan Davis, New York, N. Y.
Application February 17, 1942, Serial No. 431,183
2 Claims. (Cl. 34—188)

1. A natural air drier comprising a rotatable casing having a pair of parallel chambers for the reception of the material to be dried, the chambers each having one end thereof formed to provide an air scoop and having their other ends fully open to provide air outlets, the air scoop of each chamber extending radially beyond the open end of the other chamber and having its open, or air intake, side facing the direction of rotation of the casing, means for varying the size of the air intakes of the air scoops, panels carried by the air chambers at the outlet ends of the chambers for adjustment inwardly or outwardly of said ends to regulate the discharge of air from the chambers, means for securing the panels in adjusted position, trays arranged one above the other in the



chambers for supporting the material to be dried, means spacing the trays to provide air channels between the same, the trays including frames having bars extending across the chambers in facing relation to the scoops, said bars having the upper and lower sides of their front portions beveled to direct the air into the channels and provide for the free flowing of the air through the chambers, and means for rotating the casing.

2,347,357
ORE AGITATOR
Benjamin F. Mason, Dinuba, Calif.
Application May 12, 1942, Serial No. 442,603
2 Claims. (Cl. 259—3)

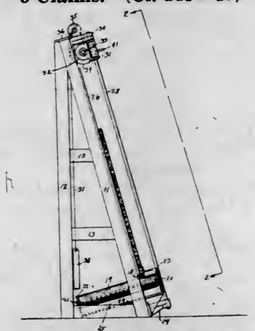


1. An ore agitator, including a cylinder, means for supporting the cylinder including end trunnions and bearings for supporting the trunnions, means for rotating the cylinder, and a supply and discharge conduit extended through the trunnions into the cylinder, a dam in the conduit, dividing the said conduit into inlet and discharge sections, and a stand pipe secured to the conduit in the discharge section beyond the dam and extending upward in the cylinder to a point above the liquid level therein.

2,347,358
HYDROXYLATION OF ACETYLENIC COMPOUNDS
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 16, 1942, Serial No. 434,980
6 Claims. (Cl. 260—535)

1. Process of producing polyhydroxy derivatives of unsaturated organic compounds characterized by containing a triple bond between two adjacent carbon atoms, which comprises treating the acetylenic compound with hydrogen peroxide in a non-alkaline and initially substantially anhydrous environment, in the presence of a catalytically active oxide of a metal which forms unstable peracids, and recovering a polyhydroxy derivative of said acetylenic compound from the resulting reaction mixture.

2,347,359
APPARATUS FOR FABRICATING WOODEN PANELS
Theodore H. Miller, Portland, Oreg.
Application May 10, 1943, Serial No. 486,288
5 Claims. (Cl. 143—47)



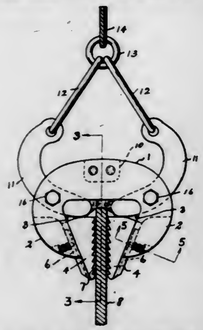
1. A production line for fabricating panels of end matched lumber consisting of an upright drawing board having the outlines of the panel indicated thereon, rollers under the lower edge of said board for supporting short pieces of lumber thereon and a cut off saw moveable in a vertical plane normal to the surface of said board.

2,347,360
SELF-TAPPING SCREW
Herman Gustave Muenchinger, South Foster, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application August 3, 1942, Serial No. 453,410
14 Claims. (Cl. 85—47)



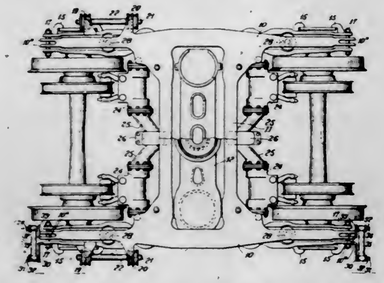
1. A self-tapping screw of the type described comprising a head, a cylindrical shank, the free end of said shank being clipped to provide a surface at an acute angle to and intersecting the shank axis, a thread rolled onto said shank after the shank is clipped and cutting extensions of the thread itself projecting beyond said surface in the direction of rotation of the screw.

2,347,361
LOAD HOISTING TONG
Lee Nelson, Texas City, Tex.
Application May 11, 1943, Serial No. 486,591
2 Claims. (Cl. 294—86)



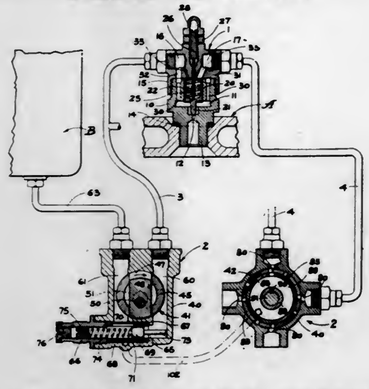
1. A lifting tong comprising fixed clamp jaws spaced apart and having bearing faces which converge toward their free ends, wedge shaped gripping jaws mounted to slide on said faces to grip a load between them, a single link on each side pivoted to the fixed jaws and whose inner ends bear against the wide ends of the gripping jaws and lifting means connect the other ends of said links.

2,347,362
RAILROAD PASSENGER CAR TRUCK
Karl F. Nystrom and Vernon L. Green, Milwaukee, Wis.
Application April 30, 1942, Serial No. 441,082
7 Claims. (Cl. 105—182)



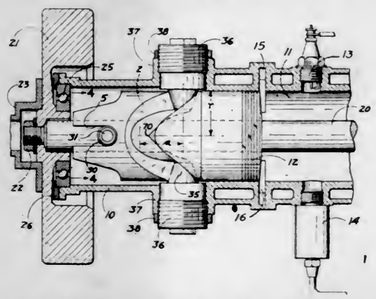
1. In a railroad car truck having a journal bearing housing holding equalizer unit at each side whereby the equalizer and journal bearing housing move vertically together and are held against relative movement longitudinally of the truck, an H-shape load carrying truck frame yieldingly supported on the equalizer units and free of association with the journal bearing housings except through the equalizer units, vertically yieldable tie means secured intermediate its ends to the truck frame and at its ends to the equalizer units; laterally disposed extensions at the ends of the frame on one side of the truck and at the ends of the equalizer unit on the same side of the truck; tie bars pivotally secured at the ends to the extensions of the frame and to the extensions of the equalizer unit whereby rotative vibration of the frame is prevented and a predetermined degree of relative vertical movement between the frame and the equalizer unit is permitted; and vibration absorbing cushion elements secured at the pivoted ends of the tie bars.

2,347,363
FUEL INJECTION MEANS FOR INTERNAL COMBUSTION ENGINES
Vincent Palumbo, Cleveland, Ohio
Application March 20, 1941, Serial No. 384,271
6 Claims. (Cl. 299—107.2)



2. A fuel injector for internal combustion engines comprising a casing provided with an inlet passageway and a relief passageway and a valve-controlled outlet orifice, a valve controlling said outlet orifice, pressure-responsive means additional to said valve for operating the latter, there being ports leading from the inlet and relief passageways to one side of the pressure-responsive means, the port leading from the relief passageway being relatively much larger in cross sectional area than the port leading from the inlet passageway, there being a working space within said casing on the opposite side of said pressure-responsive means, and a port leading from said inlet passageway to said working space and having a greater cross sectional area than that of the port leading from the inlet passageway to the first mentioned side of said pressure-responsive means.

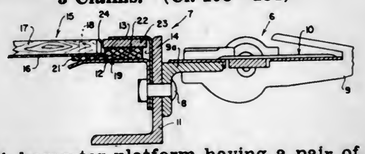
2,347,364
CAM MEMBER FOR ENGINES OR THE LIKE
Vincent Palumbo, Cleveland, Ohio
Application February 16, 1942, Serial No. 431,086
6 Claims. (Cl. 74—57)



1. In crankless mechanism for converting reciprocating motion into rotary motion and vice versa with an effect simulating that of a crank transmission, two relatively movable instrumentalities, the first consisting of a rotatably supported drum cam having an endless helical peripheral groove characterterized by reversely inclined reaches and of such shape that a point

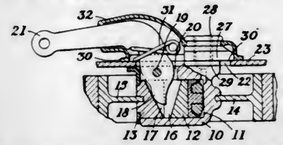
traversing the center line of the groove and progressing with uniform motion circumferentially of the cam will vibrate axially thereof with true harmonic motion, the second instrumentality consisting of a thrust element engaged within said groove, means restricting movement of the second instrumentality relative to the first to a direction axially of the latter, and means for delivering motive power to one of said instrumentalities.

2,347,365
HARVESTING MECHANISM
Louis A. Paradise, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application October 18, 1941, Serial No. 415,563
3 Claims. (Cl. 198—184)



1. A harvester platform having a pair of longitudinally extending members forming a channel, a conveyor belt adapted to travel longitudinally on said platform, a flexible element divided longitudinally into a thin portion and a thicker portion, said thin portion being secured along an edge of said belt and the thicker portion extending within said channel and adapted to slide therein during operation.

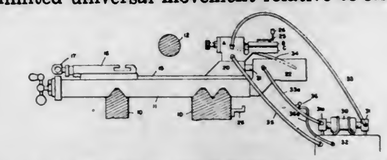
2,347,366
INTERNAL SHOE DRUM BRAKE
Frank Gordon Parnell, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application December 11, 1941, Serial No. 422,573
In Great Britain January 3, 1941
8 Claims. (Cl. 188—106)



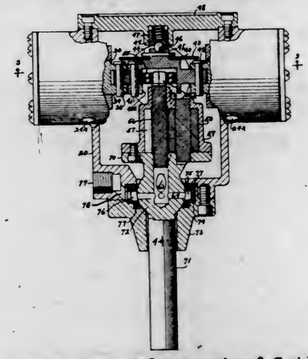
1. A wheel cylinder for brake operation having at least one fluid pressure operating piston reciprocable therein and having a plunger which is slidably mounted in the cylinder and serves to transmit thrust to one of the brake shoes, the plunger being movable in the cylinder by means of a mechanical pressure device to spread the shoes apart independently of the fluid pressure operation, said plunger abutting against the outer end of the piston, a longitudinal slot in said cylinder, said piston and plunger being provided on their abutting faces with diametral slots aligned with each other to accommodate a lever fulcrumed in the slot in the wheel cylinder and engaging the base of the slot in the plunger.

2,347,367
DUPLICATING MACHINE
Oscar Borje Rosen, Detroit, Mich.
Application May 1, 1941, Serial No. 391,360
8 Claims. (Cl. 82—14)

1. In a duplicating cutting machine including means for moving the work and tool relatively toward and from each other and means for moving the one relatively past the other, and a pattern to be duplicated, a platform carried by the latter moving means and to which said pattern is fixed, mounting means for said platform constructed and arranged to provide for the latter a limited universal movement relative to its carrier, a stationary finger element with which said pattern is adapted to contact when moved by said latter moving means to thereby cause said relative movement on said universal mounting, and means actuated by the said relative movement of the platform to cause movement of the tool and work toward and from each other.



2,347,368
CONTROL MEANS FOR HYDRAULIC MOTORS
Oscar E. Rosen, Detroit, Mich.
Application January 26, 1942, Serial No. 428,250
5 Claims. (Cl. 303—6)

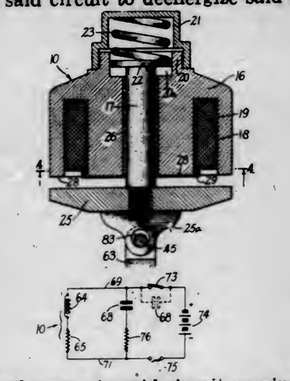


1. In a unit control for a pair of fluid actuable reversible motors, having a source of fluid supply and separate means for drawing fluid therefrom and forcing it under pressure through each of said motors and returning it to said source, a plurality of valves for controlling the operation and direction of operation of said motors, and means for oscillating said valves during operation of said forcing means.

2,347,369
APPARATUS FOR SUSPENDING AND RELEASING OBJECTS
Herbert C. Roters, Mountain Lakes, N. J., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application June 10, 1940, Serial No. 339,671
5 Claims. (Cl. 89—1.5)

1. In bomb release apparatus or the like for supporting and rapidly releasing a mass, including a support, holding means associated with said mass to permit it to be supported by said support against forces tending to release it therefrom, magnetic material forming part of said holding means, and magnetic means for exerting a magnetic force to attract said magnetic material to support said mass, the combination of circuit comprising magnetic means, a source

of D. C. electric power for energizing said magnetic means to attract and hold a piece of magnetic material, a switch in said circuit operable to break said circuit to deenergize said magnetic

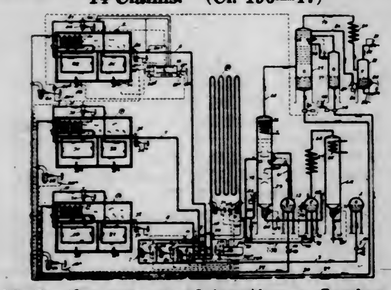


means, and means in said circuit causing the decaying current existing therein after said circuit is broken to oscillate, whereby said piece of magnetic material is released more rapidly than would be the case if said oscillation did not exist.

2,347,370
PROCESS FOR PREPARING SHEET RUBBER
Ben W. Rowland and Douglas Fronmuller, Appleton, Wis., assignors to The Institute of Paper Chemistry, a corporation of Wisconsin
No Drawing. Application March 23, 1942, Serial No. 435,830
5 Claims. (Cl. 260—744)

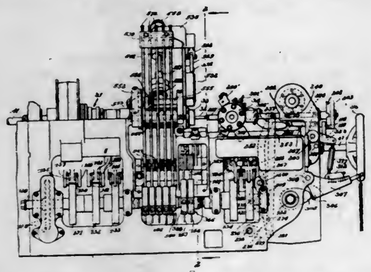
1. In the process of preparing a latex suspension adaptable for use in a continuous process of preparing sheet rubber, the steps which comprise (*a*) partially agglomerating latex to form a fine curd by adding sodium chloride to an alkaline latex dispersion, (*b*) adding a small amount of sulfonated pine oil to the curd suspension (*a*) and (*c*) acidifying the suspension of (*b*) to form a final suspension having a pH value of about 3 to 4.

2,347,371
PROCESSING OF FLOWING FLUIDS
Robert L. Rude, Toronto, Ontario, Canada, assignor to The British American Oil Company, Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application September 30, 1938, Serial No. 232,563
14 Claims. (Cl. 196—47)



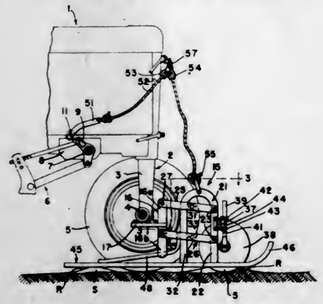
13. In the process of treating a flowing fluid in a thermal treating zone, the method of controlling the total heat in the fluid leaving said zone by regulating the in situ density of the fluid leaving said zone.

2,347,372
AUTOMATIC FORMING MACHINE
Frederick G. Silva, Rochester, N. Y., and William S. Davenport, deceased, late of Rochester, N. Y., by Edith E. Davenport, executrix, Rochester, N. Y., assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y., a corporation of New York
Application March 31, 1941, Serial No. 386,130
24 Claims. (Cl. 29—44)



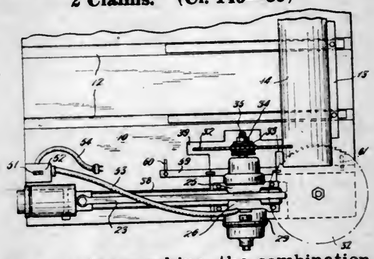
1. In an automatic forming machine having a multiple tool support movable to carry said tools individually into and out of operative engagement with the work to be formed, means for moving said support comprising a plurality of timing elements, a plurality of separate connections between said elements and said support, respectively, each of said connections being movable independently of each of said other connections, means for sequentially making and breaking said connections, and means for actuating said elements.

2,347,373
RIDGE BURSTER
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 6, 1941, Serial No. 418,015
14 Claims. (Cl. 37—181)



6. A leveling device for a tractor having a steerable front truck including a pair of relatively closely spaced front wheels, said attachment comprising a standard adapted to be rigidly fixed to said truck to move therewith, a tool standard, a pair of generally parallel links connecting said standards whereby said tool standard is capable of generally vertical floating movement relative to the tractor, a pair of laterally spaced ground leveling tools fixed to said tool standard, and a ground engaging gauge member fixed to said tool standard and extending generally fore and aft between said tools and said ground wheels and adapted to contact undisturbed ground therebetween.

2,347,374
MACHINE FOR WORKING WOOD AND OTHER MATERIALS
George H. Stahler, Shaker Heights, Ohio
Application June 18, 1942, Serial No. 447,493
2 Claims. (Cl. 143—35)

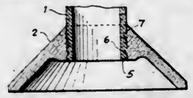


1. In a sawing machine, the combination of a work supporting table having a transverse recess formed therein and a guide supported by the table at one end of the recess, an upright post vertically adjustable in said guide, a supporting arm secured to the post, traversing said table and having a motor driven circular saw reciprocably mounted thereon, said arm being adjustable with said post through said recess to move the saw in a vertical plane to operatively position the same above or below the surface of the table whereby the saw may be used to cut the work either from above or below the surface of the table.

2,347,375
ARMOR PLATE
Albert R. Stargardter, Baltimore, Md., assignor to The Eastern Rolling Mill Company, Baltimore, Md., a corporation of Maryland
No Drawing. Original application April 5, 1941, Serial No. 387,109. Divided and this application August 29, 1941, Serial No. 408,891
2 Claims. (Cl. 109—78)

1. A light armor plate characterized by a high ballistic limit having a body portion formed from a plate which is a substantially silicon and nickel free alloy and comprising from substantially .08% to .7% carbon, from substantially 4% to 7% chromium, from substantially .3% to .6% manganese, and from substantially .4% to 2.0% of a metal chosen from the group consisting of molybdenum and tungsten and the remainder substantially iron and having a Brinell hardness in the armor plate range and a face hardened carburized surface portion having a higher Brinell hardness than the body portion.

2,347,376
TEXTILE SPOOL
Gustav W. Steinhilber, Manchester, Conn., assignor to Douglas C. Scott, West Hartford, Conn.
Application August 17, 1942, Serial No. 455,125
1 Claim. (Cl. 242—120)

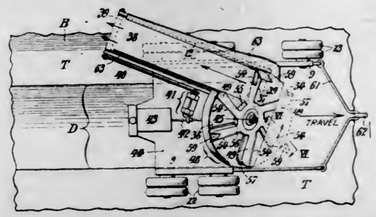


A textile spool comprising two principal elements which are interlocked firmly without the aid of a third element such as a fastener, one of said elements being a tube of relatively light fibrous yielding material, the other element being a base or head of harder material than the tube and having a bore of appreciable length in which one end portion of the tube is received and held under compression, there being a locking means between the tube and base intermediate of the ends of said bore for holding the tube firmly in the base, said means being of a character to facilitate assembly by insertion of the tube into the base from that side of the latter which is innermost in the completed article, and said means comprising an annularly grooved portion on the external surface of the tube adjacent its extremity and a locking rib within the bore of the base sloped to facilitate the insertion of the tube into the base in the manner above mentioned and having a sharp locking edge which engages and locks in said grooved portion.

2,347,377
ORGANIC INSECTICIDE
James William Swaine, Bayside, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application May 4, 1938, Serial No. 205,991
8 Claims. (Cl. 167—15)

1. The method of combatting codling moth larvae infestations on pome fruit trees, which comprises spraying the trees during the growth of the calyx with lead arsenate, and thereafter during the growth of the fruit spraying the trees with a compound containing the xanthone structure.

2,347,378
DITCHING MACHINE
Harry Kenton Swank, Sebring, Fla., assignor of one-half to Elsa R. Sebring, Sebring, Fla.
Application July 20, 1943, Serial No. 495,458
11 Claims. (Cl. 37—91)

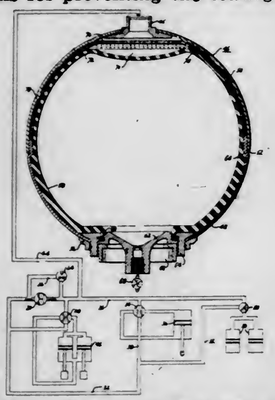


1. In a ditching machine the combination of a movable supporting frame, a stationary table obliquely fulcrumed to said frame with respect to the direction of movement of the machine, means for holding said table in various angular positions from approximately horizontal to substantially vertical for controlling the depth of the ditch to be dug, and an armed digger rotatable on the table having the respective active edges spacedly parallel to said table.

2,347,379
PRESSURE TANK
Wilford H. Teeter, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 30, 1942, Serial No. 467,439
7 Claims. (Cl. 138—30)

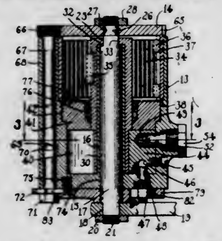
1. In a hydraulic pressure system, a pressure tank provided with a wall capable of withstanding internal pressure, an elastic wall dividing the interior of the tank into a primary chamber and a secondary chamber, the primary chamber containing fluid under pressure, the wall of the

tank being provided with a port connecting the secondary chamber with the hydraulic system, and means for preventing the sealing off of re-



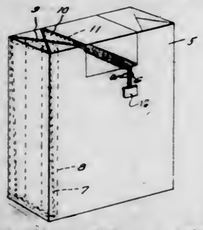
mote portions of the secondary chamber from access to said port by said elastic wall when said secondary chamber is greatly reduced in size.

2,347,380
DOOR CLOSER
Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application October 9, 1942, Serial No. 461,423
12 Claims. (Cl. 16—58)



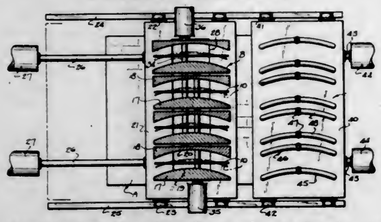
1. In a door closer, a casing adapted to be mounted on the door frame, a shaft rotatably mounted in the casing and having an end portion projecting through the lower end thereof, an arm connecting said shaft with the door, a core surrounding said shaft and fitting tightly at its lower end against a part of the casing, and means connected to said shaft to effect closing movement of the door.

2,347,381
PACKAGE OPENER
Kenneth C. West, Elmwood, Nebr.
Application August 14, 1942, Serial No. 454,845
2 Claims. (Cl. 206—41.2)



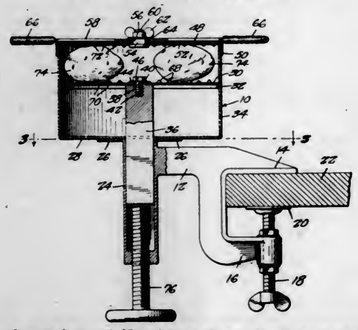
1. In combination with a package having a folded top portion, an elongated flexible element having a loop portion disposed downwardly in the package along opposite sides thereof and across the bottom of said package under certain articles therein to be removed, the upper portions of the element being crossed at the top of the package with both terminals extended to one side of the package, said upper portions of the elongated element being disposed under the cover portion of the package.

2,347,382
APPARATUS FOR MANUFACTURING BENT, TEMPERED SHEETS OF GLASS
Gerald White, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 10, 1939, Serial No. 267,001
4 Claims. (Cl. 49—1)



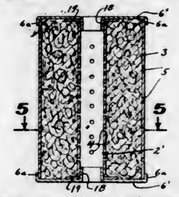
1. Apparatus for bending glass sheets, comprising means for supporting a plurality of sheets side by side in a vertical position and in spaced parallel relation, a plurality of pairs of convex and concave mold members, one pair being provided for each sheet and adapted to receive the respective sheet therebetween, means for connecting said convex mold members together in fixed spaced relation to one another, means for connecting said concave mold members in fixed spaced relation to one another, said convex and concave mold members being arranged alternately with one another, means for moving the said convex mold members in unison in one direction, and means for moving the said concave mold members as a unit in the opposite direction to effect the simultaneous bending of said sheets therebetween.

2,347,383
VEGETABLE GRATER
John Wiegratz, Kempton, W. Va.
Application April 5, 1943, Serial No. 481,896
3 Claims. (Cl. 146—177)



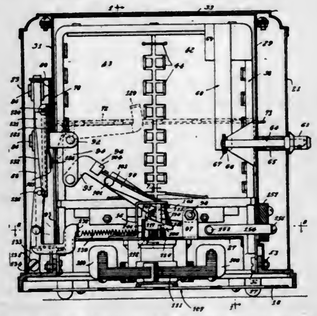
1. A grater of the type described comprising a receptacle having a tubular member opening thereinto, a first grater means inside said receptacle and above its bottom, a stem fixed to said first grater means and slidably guided by said tubular member, a cover rotatably mounted on the receptacle, a second grater means rotatable with said cover and co-acting with said first grater means to reduce vegetables positioned therebetween, and an adjusting screw threadedly connected with the tubular member and abutting said stem to move the latter and said first grater means towards said second grater means.

2,347,384
OIL CONDITIONER CARTRIDGE
Charles A. Winslow, Laurence L. Moore, and William G. Nostrand, Oakland, Calif., assignors to Winslow Engineering Co., Oakland, Calif., a partnership consisting of Charles A. Winslow, Catherine B. Winslow, Laurence L. Moore, and William G. Nostrand
Application January 25, 1943, Serial No. 473,476
4 Claims. (Cl. 210—187)



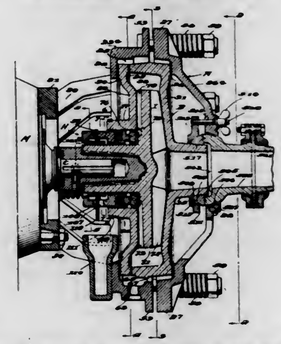
4. An oil conditioner element comprising a centrally disposed, perforated, tubular core, an outer, perforated tube concentric with and spaced from the tubular core and of approximately the same length therewith, caps fitting over and spanning adjacent ends of the core and outer tube, each cap having two concentric flanges, one of which flanges engages frictionally and telescopically the outer tube and the other flange engaging frictionally and telescopically the inside of the core, and a filtering medium in the annular space enclosed between the core and outer tube and caps.

2,347,385
COOKING DEVICE
Horace C. Wright and Ivar Jepson, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application June 11, 1938, Serial No. 213,206
27 Claims. (Cl. 99—338)



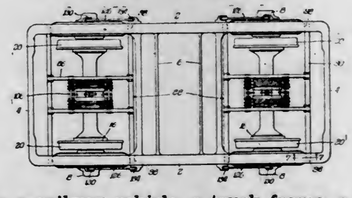
27. An automatic toaster having, in combination, a toasting compartment, supporting means for supporting a slice of bread in said compartment, heating means for toasting said slice of bread in said compartment, and control mechanism for controlling a toasting cycle including control means responsive to insertion of said slice of bread into said supporting means for energizing said heating means to initiate a toasting operation, and means operative while said bread is supported in said supporting means for de-energizing said heating means at the end of said toasting operation, said control means being responsive to removal of said slice of bread from said supporting means to reset said mechanism for again energizing said heating means upon the insertion of a slice of bread.

2,347,386
PUMP
Harold E. Adams, South Norwalk, Conn., assignor to Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut
Application May 25, 1939, Serial No. 275,755
14 Claims. (Cl. 103—114)



1. A centrifugal liquid pump comprising a sectional pump housing, a sectional glass pump casing supported by said pump housing with the sections in abutting relation in the assembled position, one of said housing sections being automatically yieldable with respect to another housing section in response to a predetermined pressure in the pump casing to permit the casing sections to separate and release the increment of pressure.

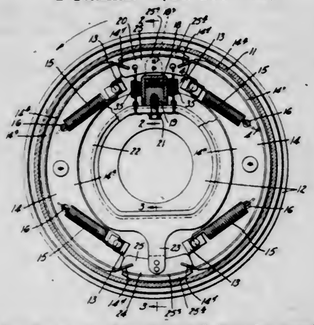
2,347,387
ROTOR BRAKE
Ray G. Aurien, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 30, 1941, Serial No. 376,624
21 Claims. (Cl. 188—59)



1. In a railway vehicle, a truck frame, a supporting wheel and axle assembly including an inner nonrotating axle, an outer rotating axle sleeved thereover with wheels thereon, axle boxes on said inner axle outboard said wheels, brake supporting means embracing said assembly and supported by said axle boxes, braking means between said wheels including rotors driven by said outer rotating axle, stators disposed for frictional engagement with said rotors and carried by said brake supporting means, power means on said brake supporting means for actuating said

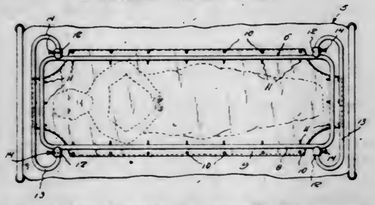
braking means, and members connected above and below said axle to said axle boxes and to said truck frame for holding said axle boxes against rotation.

2,347,388
BRAKE
Donald J. Ayers, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 4, 1941, Serial No. 409,568
4 Claims. (Cl. 188—78)



1. A brake assembly comprising, in combination, a rotatable brake drum, two main shoes therein each of which includes a web and a rim and each of which is shiftable to anchor at one end or the other depending on the direction of drum rotation, anchors against which the main shoes rest in release and which take the anchoring torque of the shoes when they are applied to the drum, two servo shoes each between the main shoes at one end thereof, the rims of said main shoes having extensions at each end thereof which hold the servo shoes in lateral alignment with the main shoes to maintain surface contact between the webs of the servo shoes and the webs of the main shoes, and means to spread said servo shoes to contact the drum whereby the drum as it rotates rotates the servo shoes which apply the main shoes for either direction of drum rotation, said means comprising a hydraulically actuated member fixed to one of said servo shoes and a second hydraulically actuated member movable relatively to the first and engaging a part fixed to the other servo shoe.

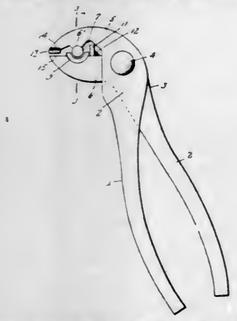
2,347,389
SURGERY COT
Gerald S. Baker and Edward Sullivan, Fostoria, Ohio
Application September 14, 1942, Serial No. 458,285
1 Claim. (Cl. 5—82)



In a stretcher for moving a reclining person off and onto a bed, a sheet adapted to lie flatly on a bed with a reclining person thereon and having eyelets located adjacent the edges thereof, a one-piece rigid substantially rectangular shaped frame having a width and length less than the width and length of the sheet and resting thereon with the person lying within the frame, curved pins formed on the frame and extending in the direction of the person, said sheet adapted to have the edge portions thereof rolled upwardly and over the frame with the eyelets positioned on the pins, socket members formed on the frame and extending outwardly and longitudinally from said frame, runners arranged transversely of the frame and having opposed arcuately curved end portions entering the sockets for pivotally mounting the runners on the frame to underlie the latter and at right angles thereto or to lie in a plane of the frame and beyond the ends of the frame to provide hand rails, and means for releasably securing the runners against pivotal movement when in either of the mentioned positions.

2,347,390
HAND BEADING TOOL
Johnnie W. Baldwin, Navy Yard, S. C.
Application May 6, 1943, Serial No. 485,917
2 Claims. (Cl. 81—15)

1. In a tool of the class described, a pair of

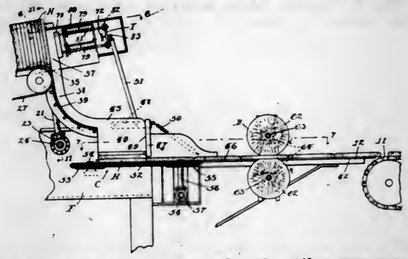


hand levers terminating in a pair of opposed jaws and pivoted together in crossed relation for closing and opening of the jaws under movement of said levers toward and from each other respectively, a round rod-like male die extending across the inner face of one jaw and secured thereto to extend equi-distantly upon opposite sides of said jaw, an elongated concavo-convex female die extending across the inner face of the other jaw and fixed thereto to receive the male die therein, and a stop extending from the inner face of said other jaw perpendicularly between the female die and said pivot.

2,347,391
APPARATUS FOR FEEDING TILES TO SPRAYING MACHINES
Wilbert Orville Benning, Los Angeles, Calif., assignor to Pacific Clay Products Company, a corporation of California
Application May 30, 1942, Serial No. 445,203
7 Claims. (Cl. 198—26)

1. In an apparatus for feeding tiles in longitudinal spaced relation onto the feed bed of spraying apparatus, an upwardly sloping conveyor having a carrier upon which the tiles are adapted to be stacked on edge extending upwardly and permitted to discharge successively from its upper delivery end, a chute below the upper delivery end of said carrier by which the tiles as received are diverted from upward into horizontal position, a magazine below the delivery end of said chute in which the tiles assemble in a vertical stack, and projector means for feeding the tiles successively from the bottom of the stack in said magazine and delivering them in longitudinal line to the

feed bed of said spraying apparatus, the relative surface speed of said projector means being less than the surface speed of the feed bed of the



spraying apparatus, whereby the tiles are spaced longitudinally apart when delivered onto the feed bed.

2,347,392
STRAND HANDLING APPARATUS
Yves A. Bouget, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1943, Serial No. 494,170
6 Claims. (Cl. 91—59.1)



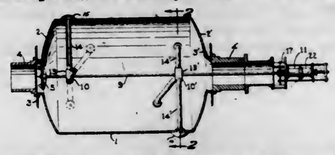
1. A device for treating a longitudinally advancing strand with a liquid and comprising a head formed with an annular chamber, an elongated body having a laterally closed channel coaxial with and communicating from the chamber, and liquid supply means to direct a liquid under pressure tangentially into the chamber to whirl around therein and to enter the channel with both rotary and axial motion, the inner wall of the chamber being formed with a coaxial bore to pass a strand moving axially through the channel to be subjected to the action of the helically turbulently moving liquid therein.

2,347,393
PEST CONTROL
Euclid W. Bousquet, Wilmington, Del., and Hubert G. Guy, Penn Township, Allegheny County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 6, 1941, Serial No. 409,782
14 Claims. (Cl. 167—30)

1. An insecticidal and insectifugal composition containing as an essential active ingredient a monophenoxy diphenyl ether and a carrier therefor.

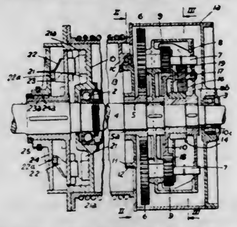
2,347,394
CHEMICAL APPARATUS
John J. Bradley, Cranford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 31, 1941, Serial No. 417,333
3 Claims. (Cl. 257—93)

3. In a rotary heat exchanger having axial inlet and outlet ports the combination of closure means disposed interiorly of said heat exchanger, means for supporting said closure means for axial movement to and from the inlet port including an axial reciprocable shaft extending from said closure means through said outlet port to a point exterior of said heat exchanger, a second closure means disposed exteriorly of said heat exchanger



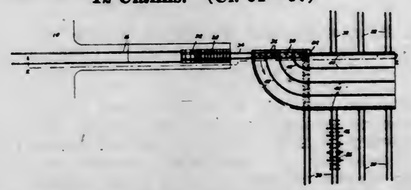
and journaled on said shaft and being free to move axially independently of said shaft, and means independently operable for axially moving said closure means to and from said ports.

2,347,395
HOISTING GEAR AND THE LIKE
Roland Cyril Clarke, Whitley Bay, England
Application December 9, 1942, Serial No. 468,403
In Great Britain November 26, 1940
11 Claims. (Cl. 254—172)



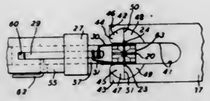
1. A hoisting gear comprising a cable hoisting drum, a driving shaft therefor, a member fast on said shaft, a member rotatable relatively to said shaft, resilient means between said members said resilient means being operable through only a fraction of a revolution of one of said members relatively to the other, and means including reduction gearing between one of said members and said drum for transmitting rotation to said drum independently of its drive by said shaft to an extent greater than said fractional rotation of said rotatable member.

2,347,396
BOAT STORAGE SYSTEM AND APPARATUS
James Stuart Crandall, Lexington, Mass., assignor to Crandall Dry Dock Engineers Inc., Cambridge, Mass., a corporation of Massachusetts
Application May 31, 1941, Serial No. 395,959
12 Claims. (Cl. 61—67)



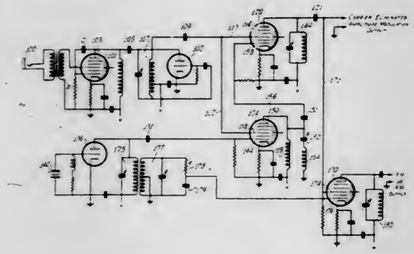
1. A boat storage system comprising a plurality of parallel storage tracks, a transfer car adapted to receive a boat thereon and to carry it to a said track, means including a pivotal mount for supporting said car for swinging movement into a predetermined position with respect to said tracks and means providing for sidewise translatory movement of the car into alignment with a track while maintaining said predetermined position.

2,347,397
SOLDERING APPARATUS
Philip W. Crist, Roselle Park, and Sven G. Johansson, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,890
2 Claims. (Cl. 113—59)



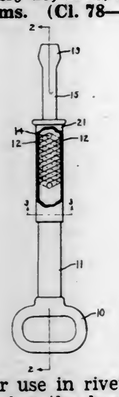
1. In a soldering apparatus, a vertically slotted heatable member of material unwettable by molten solder and having two recesses in the top surface thereof opening respectively also from the two side surfaces of the slot, in combination with a fixture unit comprising a support movable into and out of the slot and proportioned to substantially close laterally the two recesses, means on the support to hold an element to be soldered with a part projecting horizontally into each of the two recesses when the support is in its recess closing position, and means on the support to hold another element to project vertically into each recess adjacent to the part of the first named element therein when the support is in recess closing position.

2,347,398
MODULATION SYSTEM
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1942, Serial No. 441,323
9 Claims. (Cl. 179—171.5)



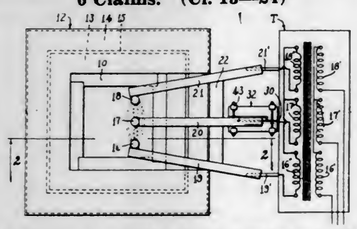
2. In a signalling system, a source of wave energy the wave length of which is controlled in accordance with control potentials and apparatus for deriving therefrom energy correspondingly modulated in phase or in amplitude including a source of oscillations of substantially constant frequency, a mixer stage coupled to said first named source and said second named source, a filter circuit coupled to said mixer stage, said filter circuit having a characteristic such that its output for wave energy of a mean frequency equal to the beat of the frequencies of said second and first mentioned sources is substantially zero and increases for frequencies which depart in either direction from said mean frequency, a second mixer stage coupled to said first source and to said filter circuit, and a combining stage coupled to said second mixer stage and to said second source.

2,347,399
RIVET HOLDER OR DOLLY BAR
Emory Croyle, deceased, late of Altoona, Pa., by Eva I. Croyle, administratrix, Altoona, Pa.
Application January 15, 1943, Serial No. 472,522
6 Claims. (Cl. 78—53.5)



1. In a dolly for use in riveting operations, a member for engaging the head end of a rivet, and means for rotating the rivet engaging member while the other end of the rivet is being peened over.

2,347,400
FURNACE FOR HEAT TREATING METAL ARTICLES
John A. Csepely, New Haven, Conn., assignor to Artemas F. Holden, Northford, Conn.
Application October 5, 1942, Serial No. 460,803
6 Claims. (Cl. 13—24)

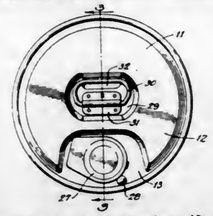


4. A furnace for the heat treatment of metal articles, comprising a rectangular receptacle, a liquid treating medium in said receptacle in which the articles are immersed adapted to carry heating current, three liquid immersed electrodes in substantially planar arrangement transversely of the receptacle between a center plane and one of the side walls, conductor bars in fan-like arrangement extended from said electrodes across the furnace wall which is in closest proximity to the group of electrodes, and supply means for three-phase alternating current connected to said conductor bars.

2,347,401
PAIL COVER
Clarence P. Davey, Chicago, Ill., assignor to Wilson & Bennett Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 9, 1940, Serial No. 369,282
5 Claims. (Cl. 221—11)

1. The combination with a pail cover, of a pouring spout having a cup shaped body portion having a round hole therein and an outwardly extending pouring lip, a flange defining an opening in the cover and projecting through said hole and outwardly over the adjacent portion of the

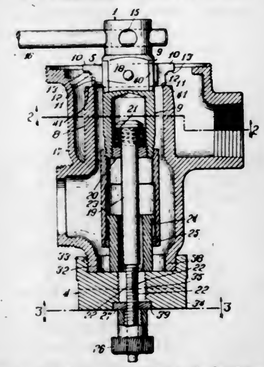
pouring spout to provide a rotatable bearing for the spout, and a plug having threaded engagement with the spout and seating against the outwardly extending portion of the flange for closing said opening and fastening the spout against rotative movement the arrangement being such that substantially no portion of the bearing assembly extends below the cover and full drainage is provided.



2,347,402
CALCIUM HYPOCHLORITE
George Gerald Day, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application February 18, 1941, Serial No. 379,479
6 Claims. (Cl. 23—86)

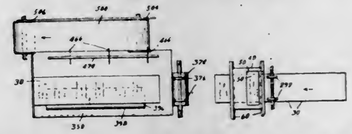
1. In the drying of a calcium hypochlorite product, the improvement which comprises subjecting a plastic slurry of calcium hypochlorite simultaneously to evaporation and agitation until the unevaporated portion of the slurry forms a plurality of loosely bonded aggregates, continuing the evaporation and the agitation until the aggregates break down into a granular product and discontinuing the agitation while the granular product still contains moisture in proportions ranging from about 25% to about 35% by weight.

2,347,403
APPARATUS FOR RESEATING FLUSH VALVES OR THE LIKE
Berthold Denzler, Chicago, Ill., assignor of one-half to Esther G. Oswianza, Chicago, Ill., and one-half to Peter Fah, Chicago, Ill.
Application June 20, 1941, Serial No. 398,897
13 Claims. (Cl. 90—12.5)



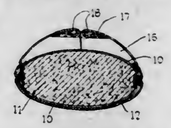
8. Apparatus for reaming tubular structures, comprising a first member adapted to be attached to one end of said structure, a second member adapted to be inserted in the other end of said structure and to be rotated therein, reaming means attached to said second member, spring means operatively connected with one of said members and adapted to press said reaming means against the work, means connecting said spring means with the other of said members whereby said members may be moved toward each other to energize said spring means, and a stop disposed between said members to maintain a predetermined separation thereof.

2,347,404
ADDRESSING MACHINE
Harmon P. Elliott, Watertown, Mass.
Application June 7, 1939, Serial No. 277,770
26 Claims. (Cl. 101—48)



1. In an addressing machine, address printing mechanism, means for feeding a sheet through said printing mechanism in a step by step manner to permit a plurality of printing operations to be performed thereon, means for feeding successive address printing devices to the action of said printing mechanism at intervals between plural printing operations thereof, means for feeding said sheet laterally after the last printing operation has been completed, and means for severing the sheet during the operation of the last mentioned feeding means.

2,347,405
DOLL
Gladys C. Ford, New York, N. Y.
Application September 24, 1942, Serial No. 459,481
2 Claims. (Cl. 46—151)

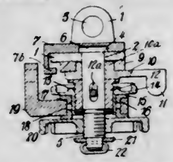


1. A toy figure, comprising a flexible sheet material formed as an envelope simulating the shape of a living thing, said envelope having a substantially circular opening provided in a wall thereof for admitting into the interior of said envelope a flexible form as stuffing; a closure strip secured about the margin of said opening and affording a passage leading to the interior of said envelope; a hem formed about the free edge of said closure strip; and a draw string passed through and extending from said hem, whereby the said closure strip can be drawn substantially concentrically together to tightly close said opening.

2,347,406
GUN MOUNTING
Archibald Goodman Frazer-Nash, Tolworth, England
Application November 13, 1940, Serial No. 365,517
In Great Britain April 4, 1939
2 Claims. (Cl. 89—37)

1. Gun mountings and more particularly mountings for machine and other relatively light guns in aircraft and other vehicles, comprising a main bracket adapted to be secured to the mounting of a gun and associated with the main bracket a gun bracket with which the gun may be directly connected, a screw-threaded element adapted to be rotated for effecting the movement

in a vertical direction between the gun bracket and the main bracket, an eccentric rotatably mounted on the screw-threaded element, means on the gun bracket engaging such eccentric, means for rotating the eccentric to effect dis-



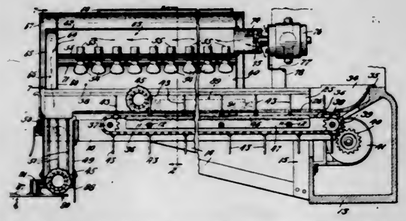
placement of the gun laterally and a locking nut adapted to lock the screw-threaded element and the eccentric to secure the gun bracket in the position with respect to the main bracket into which it has been adjusted.

2,347,407

HEATING DEVICE FOR BOTTLE CAPS

Carl W. Goodwin, Plainfield, N. J., and Harold W. Martin, Malverne, and Herbert G. Vore, Jackson Heights, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware

Application February 26, 1942, Serial No. 432,442
5 Claims. (Cl. 219—34)



5. In a machine for delivering to containers partially preformed hood caps having foldable pleated skirts carrying a thermoplastic adhesive coating with the thermoplastic adhesive tacky for securing the folds together, including a feed chute along which the caps advance, a lamp housing including a base extending along said feed chute and dividing the same into a cap heating section and a separate air chamber, an elongated radiant heat source secured to said base and positioned in said cap heating section for heat softening the thermoplastic adhesive coating on the caps by radiant heat, a delivery chute receiving said caps from said feed chute and delivering the same at a capping station, means blowing air through said air chamber for cooling the base and for heating the air, and means passing said heated air through said delivery chute to prevent premature chilling of the adhesive coating on said caps while in said delivery chute.

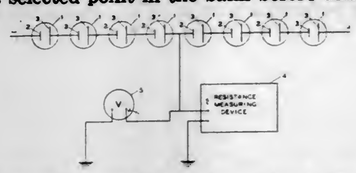
2,347,408

LOCATION OF FAULTS IN ELECTROLYTIC CELL SYSTEMS

Victor F. Hanson, Youngstown, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 16, 1942, Serial No. 439,224
3 Claims. (Cl. 175—183)

1. The method for locating an electrical ground fault in a bank of series-connected electrolytic cells normally insulated from ground which comprises measuring the resistance between the cell bank and ground before and after said fault occurred, measuring the direct current voltage between the cell bank and ground at a selected point in the bank before and after



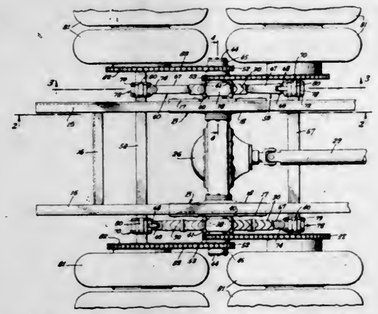
said fault occurred, and determining the location of said fault by computation from the results of said measurements.

2,347,409

SIX WHEEL MOTOR VEHICLE

Henry C. Harbers, San Gabriel, Calif., assignor to C. B. Equipment Co., Los Angeles, Calif., a copartnership

Application February 7, 1942, Serial No. 429,889
3 Claims. (Cl. 180—22)



1. In a motor vehicle; a frame; differential jack shafts carried by said frame; housings for said shafts secured to said frame; trunnion hubs rotatable on said housings; suspension springs fixedly secured to said hubs and extending lengthwise of said frame; a pair of transverse axles spaced longitudinally along said frame; wheels carried by said axles; connections between said axles and said housings by which the axles are limited in their lengthwise shifting in relation to said springs; and means engaging said hubs for securing the latter against movement longitudinally of said housings, whereby said axles are held by said springs against shifting transversely of said frame.

2,347,410

PYRIDINE CARBOXYLIC ACID

Alfred T. Hawkinson and Arthur A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 27, 1941, Serial No. 420,690
17 Claims. (Cl. 260—295.5)

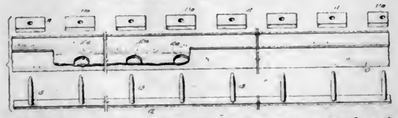
1. The method for preparing a pyridine carboxylic acid from a heavy metal salt selected from the group which consists of the ammonia-soluble heavy metal salts of pyridine monocarboxylic and dicarboxylic acids which comprises the steps of; dissolving said heavy metal salt in an aqueous ammoniacal solution; adding a strong inorganic alkali to the resulting solution in order to precipitate heavy metal oxide therefrom, the pyridine carboxylic acid remaining in said solution in the form of an alkali metal salt thereof; removing the precipitated heavy metal oxide; and adding a mineral acid to said solution in order to convert said metal salt of said pyridine carboxylic acid to the free acid.

2,347,411

METHOD OF LOCATING HOLES IN STRUCTURAL MEMBERS

Rudolf Hefler and Harold C. Myers, Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application December 12, 1942, Serial No. 468,826
3 Claims. (Cl. 29—155)



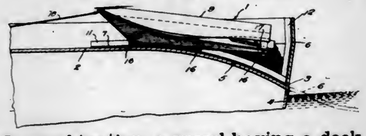
1. A method of accurately locating holes in a structural member, comprising the steps of making oversize holes in the structural member at approximately the desired locations, inserting a jig having accurately positioned pins into said oversize holes, fitting a separate plate having an accurately dimensioned hole on each of the pins, and securing the plates while positioned by the pins to the structural member.

2,347,412

SELF-DEFENSIVE LIGHTER

Andrew Jackson Higgins, New Orleans, La.

Application November 17, 1941, Serial No. 419,474
2 Claims. (Cl. 114—43.5)



1. In combination, a vessel having a deck sloping downwardly to meet the stern at a line close to water level, forming a ramp, and having a transom section normally extending above said line and outwardly hinged approximately at said line whereby it can be swung outwardly and downwardly into the water to form a free floating extension of said ramp, and a buoyant launching cradle normally positioned at the top of said ramp adapted to travel on said ramp including said ramp extension, and tethered to prevent its moving substantially beyond the lower end of said ramp extension.

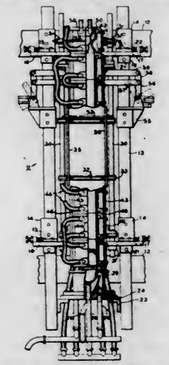
2,347,413

APPARATUS FOR PRODUCING METAL BODIES

Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application July 22, 1942, Serial No. 451,880
9 Claims. (Cl. 22—146)

1. A mold arrangement including a mold body element, said mold body element being formed of complementary halves that meet in a vertical plane, each half being formed of a plurality of superimposed sections, each section having an inner wall, an outer wall, and wall means uniting the peripheries of said inner and outer walls to form a chamber for circulating a heat exchange medium, said outer wall and said wall means serving to reenforce said inner wall and to restrain it against distortion, heat exchange medium inlet means and heat exchange medium outlet means in the outer wall of each of said sections, means for conducting a heat exchange medium to the inlet means of the top section of each of said halves, and means for conducting



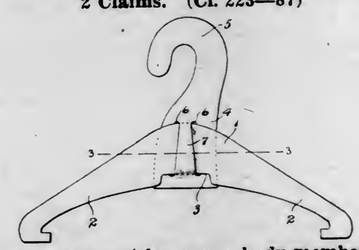
the heat exchange medium from the outlet means of each section except the bottom sections to the inlet means of the section below, whereby as metal is deposited in the mold body element the coldest heat exchange medium will always contact the inner wall of the section in which is the hottest metal.

2,347,414

GARMENT HANGER

Richard E. Kearns, Detroit, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan

Application January 18, 1943, Serial No. 472,693
2 Claims. (Cl. 223—87)



1. In a garment hanger, a body member made from flat relatively thin material having two arms extending downwardly and outwardly in opposite directions away from the middle part thereof, and a suspending member of flat material provided with spaced vertical slots in the lower end portion thereof with a band between said slots, said body member passing through the slots over the lower end part of the suspending member at the outer sides of said slots and under the band located between said slots, as specified.

2,347,415

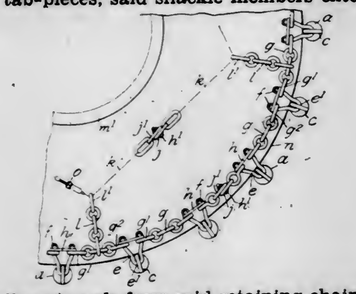
NONSKID DEVICE

Donald Stuart Kennedy, Longparish, Andover, England

Application October 1, 1942, Serial No. 460,439
In Great Britain October 10, 1941
7 Claims. (Cl. 152—226)

1. A non-skid chain for wheel tires, comprising rigid twisted elements set transversely of the

wheel, said elements having flat extremital tab-pieces, said tab-pieces being aligned radially of the wheel and bored transversely, lateral retaining chains on the sides of the wheel, and shackle members connecting said retaining chains with said tab-pieces, said shackle members extending



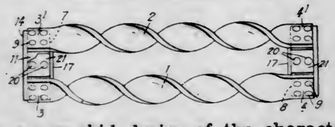
radially outwards from said retaining chains and each including divergent arms having parallel end portions, and a bend to traverse and engage one of said tab-pieces, said bend having parallel sides adapted to face the front and rear of said tab-piece.

2,347,416

NONSKID DEVICE

Donald Stuart Kennedy, Harewood Forest, Longparish, Andover, England

Application June 17, 1943, Serial No. 491,210
In Great Britain July 6, 1942
7 Claims. (Cl. 152—226)



4. In a non-skid device of the character described, a shoe comprising two parallel twisted elements with attachment tabs at both ends of said twisted elements and channel section members arranged laterally of the wheel, said twisted elements being arranged transversely of said shoe and fore and aft of the center of said shoe, said channel section pieces being each of bridge shape with a central web and oppositely inclined ramps leading inwardly from said web, said tabs being secured to said oppositely inclined ramps, and metal wearing pieces secured upon said central webs intermediately of the said fore and aft twisted elements.

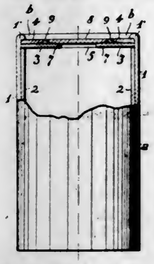
2,347,417

CLOSURE FOR CONTAINERS IN GENERAL

Guillermo Enrique Carlos Kraft, Buenos Aires, Argentina, assignor to Guillermo Kraft Limitada Sociedad Anonima de Impresiones Generales, Buenos Aires, Argentine Republic, a company of Argentina

Application August 22, 1942, Serial No. 455,763
In Argentina February 11, 1942
2 Claims. (Cl. 229—43)

1. Closure means for a cylindrical container formed with an annular internal seating flange near its end, said closure means comprising a first washer of an outer diameter substantially equal to the inner diameter of said container, said first washer being seated on said flange and having a relatively small inner diameter, a second washer having an outer diameter equal to the outer diameter of said first washer and an inner diameter considerably greater than the inner diameter of said first washer, said second washer being seated on said first washer, means to hold said two washers in position in said container, a sealing disc having a diameter exceeding the inner diameter of said first washer and being slightly less than the inner diameter of



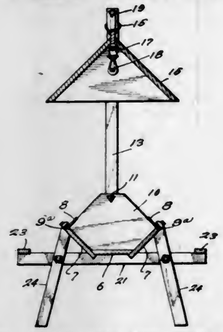
said second washer, said disc being disposed on said first washer and in the central opening of said second washer, and an adhesive surrounding said sealing disc and securing it to the inner circumference of said second washer, part of said adhesive penetrating between said disc and first washer and between said first and second washers to complete the seal.

2,347,418

POULTRY FEEDER

Elvin J. Kravick, Stoughton, Wis.

Application June 22, 1943, Serial No. 491,816
1 Claim. (Cl. 119—61)



In a feeder of the class described, a flat bottom trough having sides with diverging upper and lower edges and extending below said bottom, and a stand comprising a pair of horizontal end members upon which said bottom rests, said members being provided with upper edge notches interfitting with that portion of the lower edges which extends below said bottom, a pair of fowl perch bars bridging said members, and end pairs of legs pivoted to said members and provided with notched upper ends fitting over said side edges.

2,347,419

MANUFACTURE OF CORRUGATED PAPERBOARD AND THE LIKE

James G. Lander, Cincinnati, Ohio, assignor to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application December 5, 1941, Serial No. 421,847
2 Claims. (Cl. 106—75)

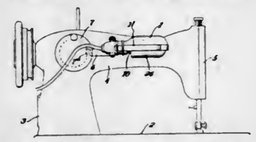
1. A silicate composition adapted to be used in the manufacture of corrugated paperboard and the like, which composition comprises a liquid adhesive silicate having incorporated therein a small percentage of aromatic mono sodium sulphonate derived from petroleum oil which is capable when heated to a relatively high temperature of causing the silicate mass to dry in the form of a friable, porous condition, but which composition is capable of drying at room temperature to a film of unimpaired adhesive strength.

2,347,420

LIGHTING FIXTURE

Wilfred O. Langille, Chester, and Kenneth Perkins, Scotch Plains, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application December 12, 1941, Serial No. 422,608
7 Claims. (Cl. 240—2.14)



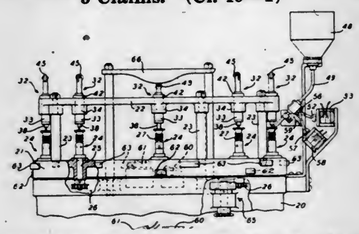
1. A lighting fixture comprising a lamp-receiving socket, resilient prong-like members of channeled section carried by and projecting from said socket, and shade and reflector elements having out-turned juxtaposed edge-portions slidably received in the channels of said prong-like members.

2,347,421

APPARATUS FOR MOLDING

John S. Little, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 29, 1941, Serial No. 408,693
5 Claims. (Cl. 49—1)



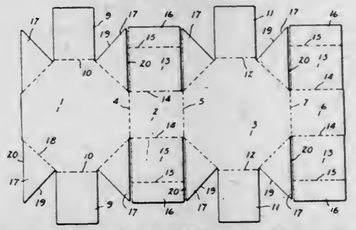
1. An apparatus for forming beads of glass on wires, which comprises a rotatable member, a plurality of mold cavities positioned at regularly spaced intervals in the rotatable member near the periphery thereof, each mold cavity having a wire receiving bore coaxial therewith, a dispenser positioned adjacent to the rotatable member for charging a measured quantity of powdered glass into each of the cavities, means for actuating said dispenser at predetermined intervals, means adjacent to the rotatable member for causing a flame to impinge upon the molds as they are advanced therepast by the rotatable member to fuse the powdered glass within the mold cavities, a plurality of rams carried by the rotatable member, each having a wire receiving bore coaxially thereof and designed to be inserted into one of the mold cavities to compress the fused glass therein to cause it to adhere to a wire positioned in the coaxial bore in the mold, and means for successively actuating the rams as they are advanced therepast by the rotatable member.

2,347,422

OCTAGONAL BOX

Gaylord Loth, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

Application May 18, 1943, Serial No. 487,474
3 Claims. (Cl. 229—41)



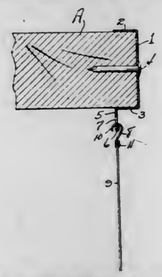
1. An octagonal box formed of a one-piece blank of sheet material and comprising top and bottom walls of octagonal shape, a pair of diametrically opposite side walls, one integrally and hingedly joined at its opposite ends to corresponding side edges of the two octagonal walls and the other integrally and hingedly joined at one end to a side edge of one octagonal wall and attached at its opposite end to the corresponding side edge of the other octagonal wall, a second pair of diametrically opposite side walls, each formed by overlapping flaps integrally and hingedly joined to side edges of the octagonal walls that are spaced from the edges to which the first pair of side walls are joined, and four intermediate side walls, each integrally and hingedly joined to one of the four side edges of the side walls of the first pair and each having a flange at its free edge that is interposed between the overlapping flaps forming the second pair of side walls.

2,347,423

PRICE TAG HOLDER

William B. McCarty, Jackson, Miss.

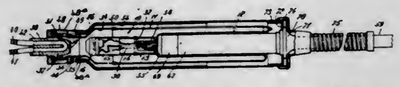
Application April 16, 1942, Serial No. 439,258
1 Claim. (Cl. 40—10)



A holder for supporting a price tag with respect to a shelf, comprising a strip including a front wall, parallel upper and lower walls formed on the front wall and extending at right angles therefrom for cooperation therewith to provide a channel to fittingly receive the front edge portion of the shelf therein for the strip to embrace and cover the same, means for securing the strip to the shelf, a downturned flange formed on and along the rear of the lower wall for disposal at right angles thereto and having a row of holes therein, said holes being of triangle formation and arranged with one of the corners thereof lowermost, a hook having a lower square cornered portion for disposal through a hole in a tag to embrace the latter, and said hook having

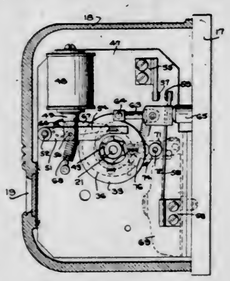
a rounded upper portion receivable in any one of the holes of the flange to engage the lower corner thereof and for suspending the tag relative to the shelf.

2,347,424
X-RAY TUBE
Raymond R. Machlett, New Canaan, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application January 26, 1942, Serial No. 428,196
4 Claims. (Cl. 250—90)



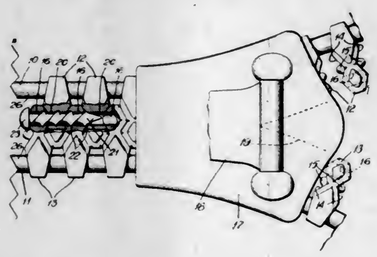
1. In X-ray apparatus, an X-ray tube comprising an envelope enclosing an anode and a cathode, the envelope including a metallic section having an opening and the anode having a shank extending out of the envelope, a member mainly of beryllium closing the opening in the envelope and forming a window for emission of X-rays, a casing enclosing the tube and having an opening through which the anode shank projects, the casing having a second opening, and means for holding the casing on the shank with the second opening aligned with the window.

2,347,425
CLUTCH FOR FARE REGISTERS
Harry Yale Mageoch, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 20, 1941, Serial No. 379,779
4 Claims. (Cl. 192—28)



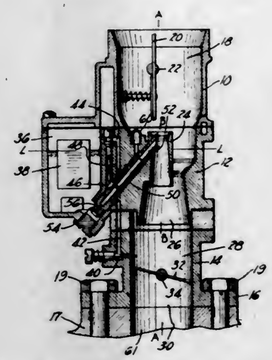
1. In a clutch mechanism of the character described, in combination, a main driving shaft, a driven shaft operatively associated therewith, a toothed member secured to the driving shaft for rotation therewith, a cam plate disposed for free rotation about said shaft, said cam plate being provided with a peripheral edge the radial distance of which from the center of the plate gradually increases throughout the full extent thereof to thereby provide at a given point in the peripheral edge of the plate an abrupt radially extending shoulder, a spring-pressed dog pivotally mounted upon one side of said plate, said dog being arranged for pivotal movement in the plane of rotation of said member and being adapted for toothed engagement with the latter, and a stop engageable by said dog upon rotation of said cam plate to shift said dog out of engagement with said member whereby to render said driving shaft freely rotatable with respect to said cam plate, said stop being spring-pressed to constantly engage the peripheral edge of said cam plate and being adapted automatically to engage said dog as said radial shoulder of the cam approaches said stop.

2,347,426
BOTTOM STOP FOR SEPARABLE FASTENERS
Davis Marinsky, Bronx, N. Y., assignor of one-half to Louis H. Morin, Bronx, N. Y.
Application January 11, 1943, Serial No. 471,932
8 Claims. (Cl. 24—205)



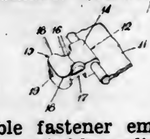
4. In separable fasteners employing stringers, said stringers having end scoops which when coupled have registering apertures, a coupling member mounted in the registering apertures of said end scoops in retaining said scoops against separation, said member and scoops united thereby forming an end stop limiting movement of a slider in one direction on said stringers, and said member comprising a screw having threaded engagement with the scoops coupled thereby.

2,347,427
CARBURETION
Frank C. Mock and Emil O. Wirth, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 3, 1940, Serial No. 350,516
7 Claims. (Cl. 123—119)



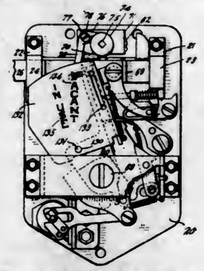
7. In a charge forming device having an induction passage including a large and a small venturi and a mixture chamber, the large venturi being offset with respect to at least one of the other parts of the induction passage, said induction passage having a portion of constant effective area within which the venturis are disposed.

2,347,428
MORTISE JOINT SEPARABLE FASTENER
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application May 23, 1942, Serial No. 444,192
11 Claims. (Cl. 24—205)



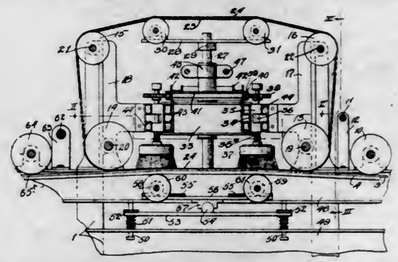
3. A separable fastener employing stringers coupled and uncoupled by a slider movable along the stringers, each stringer having links spaced longitudinally of one edge thereof, each of said links having the same structure and comprising a body portion having a mounting end and a coupling end, the coupling end having, adjacent the mounting end, a constricted neck portion defined by opposed curved surfaces arranged in convex relation to each other and defining recess portions; the coupling end also having, adjacent said constricted neck portion, an enlarged head portion defined by opposed curved surfaces arranged in concave relation to each other, the head portion and neck portion of each link being complementary to and adapted to engage the neck portion and head portion of an adjacent link, respectively, and to prevent lateral separation of said links when coupled, each link also having means to prevent transverse separation of the coupled links, said means comprising a tongue arranged centrally and longitudinally of a recess on one surface of said link and a groove in the head portion and on the other surface of said link adapted to receive the tongue on an adjacent link.

2,347,429
BLOCKER MEANS FOR COIN CONTROLLED MECHANISMS
Harry L. Neer, Beech Grove, and Clifford H. Wasson, Indianapolis, Ind., and Raymond L. Neer, Jacksonville, Fla., assignors to Nik-O-Lok Company, Indianapolis, Ind., a corporation of Indiana
Original application August 6, 1941, Serial No. 405,584. Divided and this application March 25, 1943, Serial No. 480,445
12 Claims. (Cl. 194—1)



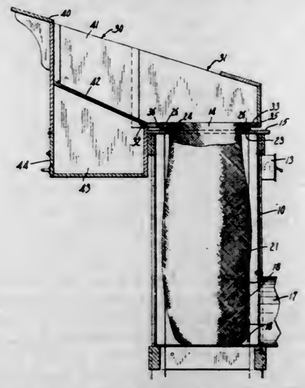
1. In a coin-controlled mechanism, an element to be operated, a coin receiver movable to operate said element, a housing for said mechanism formed with a coin-receiving slot, means associated with said receiver for masking said slot, means operable to block operation of said element, and means automatically operated by operation of said blocking means for shifting said masking means into masking position.

2,347,430
ARTICLE HOLDING MEANS FOR CLEANING MACHINES
James J. O'Brien and James Strad, Chicago, Ill.
Application October 18, 1940, Serial No. 361,672
11 Claims. (Cl. 15—40)



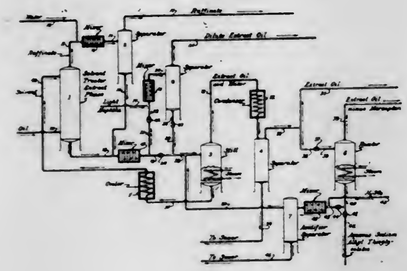
4. In a cleaning machine, a conveyor to carry an article to be cleaned, cleaning means to act on the article on said conveyor, an endless interstitial belt having a working reach between the article and said cleaning means to hold the article in proper position on the conveyor while the cleaning means are in operation, and drive means for said interstitial belt to cause it to travel at a faster rate than said conveyor belt so as to present an ever changing surface contact with the article.

2,347,431
FEATHER HANDLING APPARATUS
Robert C. Pauly, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application December 24, 1942, Serial No. 470,009
4 Claims. (Cl. 19—72)



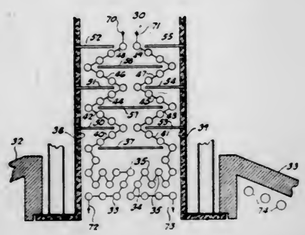
2. Apparatus of the character described, comprising a support having an opening therein, bag holding means surrounding said opening, whereby a work-receiving air-permeable bag may be suspended from said support, a hopper in communication with said opening, said hopper having a stationary portion for receiving feathers or the like, and a swinging portion hinged to said stationary portion and cooperating therewith when in operative position to direct said feathers into said opening, and when in inoperative position to permit insertion or removal of a bag, and means for directing an air current through said hopper and thence through said opening for conveying feathers placed in said hopper.

2,347,432
SOLVENT EXTRACTION OF MINERAL OILS
Orville L. Polly, Long Beach, and Alva C. Byrns, Palos Verdes Estates, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 13, 1941, Serial No. 393,188
23 Claims. (Cl. 196—13)



1. A process for the separation of mineral oil into fractions which comprises extracting said oil with a mercapto-substituted carboxylic acid thereby forming a raffinate phase and an extract phase and separating said phases.

2,347,433
CONVECTION SECTION
Frank H. Praeger, Merion, Pa., assignor to Alcorn Combustion Company, Philadelphia, Pa., a corporation of Delaware
Application September 23, 1942, Serial No. 459,466
3 Claims. (Cl. 122—356)



3. The combination with a heater having walls forming a convection section receiving gases and products of combustion from the heater, of horizontally extending fluid conducting heat absorbing tubes disposed only in rows which extend respectively from opposite walls of said convection section toward the center thereof and back again, the said rows extending in double zigzag relationship through said convection section, side baffles extending from said opposite walls toward the juncture of adjacent rows, central baffles alternating with said side baffles to produce flow of said gases and products of combustion along double sinuous paths extending through the convection section which cross and recross said zigzag rows, each of said central baffles having structure extending downwardly and into supporting engagement with tubes for supporting each of said central baffles therefrom, and means interconnecting said tubes of each row for flow of fluid therethrough.

2,347,434
STABILIZATION OF PERACID SOLUTIONS
Joseph S. Reichert, Samuel A. McNeight, and Arthur A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1941, Serial No. 400,570
17 Claims. (Cl. 260—502)

1. The method of stabilizing an aqueous solution of an organic peracid which comprises incorporating therein stabilizing amounts of a pyrophosphate.

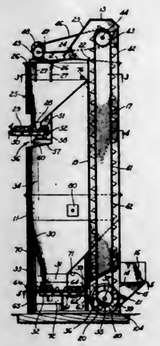
2,347,435
POLLEN ANTIGEN AND PROCESS OF PREPARING IT
George E. Rockwell, Cincinnati, Ohio, assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application June 11, 1941, Serial No. 397,560
10 Claims. (Cl. 167—78)

1. A mineral acid precipitated pollen antigen.

2,347,436
PRINTING INK
Frank B. Root, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application February 21, 1942, Serial No. 431,821
4 Claims. (Cl. 260—29)

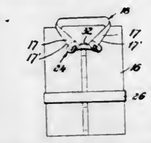
1. A printing ink adapted to dry quickly to a non-smudging deposit under heat which comprises a pigment dispersed in a liquid vehicle which contains a reaction product of an aminotriazine, formaldehyde and a glycerol sulfide containing free hydroxyl groups, dissolved in an alcohol of boiling point between about 220° and 290° C.

2,347,437
STORAGE DEVICE
Walter E. Saxe, Alhambra, Calif., assignor to The Conveyor Company, Los Angeles, Calif., a corporation of California
Application June 2, 1941, Serial No. 396,349
10 Claims. (Cl. 214—16)



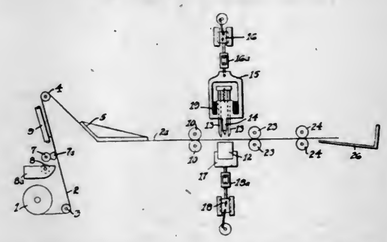
1. In a portable storage device, the combination of: a shell; a receiving hopper connected to said shell; a discharge hopper connected to said shell above said receiving hopper; elevator means in said shell adapted for moving material from said receiving hopper to said discharge hopper; a storage receptacle in said shell below said discharge hopper and adapted for receiving material overflowing therefrom; first conveyor means in said shell adapted for directing material in said receiving hopper toward said elevator means; a first drive means connected to said shell adapted for actuating said elevator means and said first conveyor means; second conveyor means in said shell adapted for directing material from said receptacle toward said elevator means; a second drive means connected to said shell adapted for actuating said second conveyor means; discharge conveyor means adapted for directing material from said discharge hopper to the outside of said shell; and a third drive means connected to said shell and adapted for actuating said discharge conveyor means, said three drive means being independent of each other, whereby said discharge conveyor means may be actuated independently of said elevator means and said first conveyor means and independently of said second conveyor means.

2,347,438
COLLAR HOLDER
Max Schulman, Brooklyn, N. Y.
Application March 17, 1941, Serial No. 383,787
3 Claims. (Cl. 223—83)



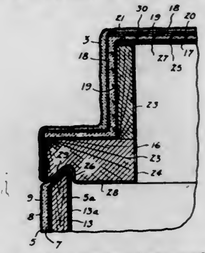
1. In combination, a collar comprising a pair of plies joined along their top edges and having their ends open in front, and a blank of cardboard-like material positioned between the plies and overlapped by the front portions of the outer ply; said blank being provided with a pair of spaced tabs formed by slits in the blank; the ends of said plies lying intermediate and spaced from said tabs; the bottom edges of the front portions of the outer ply lying respectively through and in contact with the edges of said slits whereby the tabs frictionally engage the respective front portions of the collar along said bottom edges only.

2,347,439
METHOD OF AND APPARATUS FOR MAKING CONTAINERS
James J. Shea, Springfield, William F. Irrgang, Chicopee, and Willard Everett Swift, Jr., Worcester, Mass., assignors to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application September 21, 1939, Serial No. 295,942
3 Claims. (Cl. 93—18)



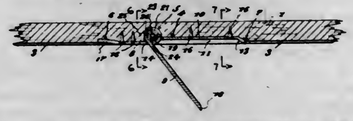
1. Apparatus for making containers from flexible sheet material having the property of being rendered adhesive, by the application of heat, comprising means for intermittently feeding overlying layers of said material, means for supporting said material in the intervals between feeding thereof, a heated element including a severing member, means for causing relative movement between said supporting means and said heated element to cause heat welding of said layers of sheet material accompanied by engagement of said severing member with the welding material, and means for adjusting the connections which cause relative movement between said heated element and said supporting means to so regulate the pressure exerted by said severing member on the welded material, while positioned on said supporting means, as to cause only partial severance of the material along the weld between said layers.

2,347,440
BURIAL VAULT
Max Skolnik, Chicago, Ill., assignor to Fibro-Mold Specialties, Inc., Chicago, Ill., a corporation of Illinois
Application June 13, 1941, Serial No. 397,924
4 Claims. (Cl. 72—7)



1. A water-resistant burial vault having a box-like body portion and a cover portion adapted to cooperate with said body portion to form a leak-proof seal therewith, said body portion comprising load supporting end panels, load supporting side panels and a bottom secured together to form a box, a coating of hardened magnesium oxychloride cement over the outer surface of said box and adhered to said panels and to said bottom and a coating of waterproofing material over the exterior of said hardened cement, said load supporting panels having a solid fibrous panel base coated with a normally solid bituminous material and having superimposed on said coating and integral therewith at least one layer of tarred paper, said solid fibrous panel base having a plurality of vertically aligned wood panel elements secured together, said panel elements having a height substantially equal to the height of said panels, said magnesium cement being adhesively bonded to said tarred paper.

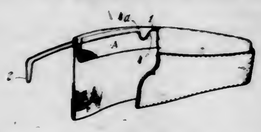
2,347,441
SKI
Harry A. Snow, Boulder, Colo.
Application February 16, 1943, Serial No. 476,108
6 Claims. (Cl. 280—11.13)



6. An attachment for preventing rearward sliding of a ski, comprising a mounting plate

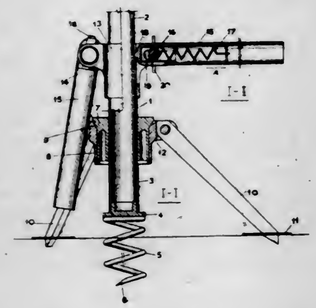
adapted to be secured against the under face of a ski, hinge ears carried by said plate, a blade extending longitudinally of said plate, hinge ears at the front end of the blade in side by side relation to the hinge ears of the plate, a pin passing through the hinge ears and mounting the blade for swinging movement from a position close against the plate to extended position in which it extends downwardly from the plate, abutments extending laterally from inner sides of the ears of the plate, one abutment serving to engage the front edge of the blade for limiting downward swinging movement of the blade, and a spring for urging the blade downwardly carried by the pin and having portions engaging the blade and the abutment.

2,347,442
HEADWEAR
Robert Solman, Manchester, England
Application December 19, 1941, Serial No. 423,657
In Great Britain January 18, 1941
5 Claims. (Cl. 2—185)



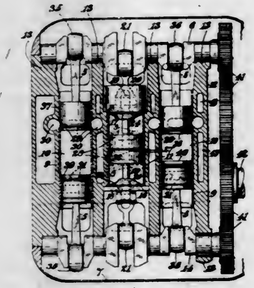
1. A stiffener for a forage cap comprising parallel rigid members connected together at their ends by downwardly-turned extensions and formed intermediate their ends with downwardly-directed deformations allowing longitudinal movement between the ends.

2,347,443
GUN MOUNTING
Josef Vesely, Hoddesdon, England
Application March 4, 1942, Serial No. 433,321
In Great Britain January 29, 1941
2 Claims. (Cl. 248—156)



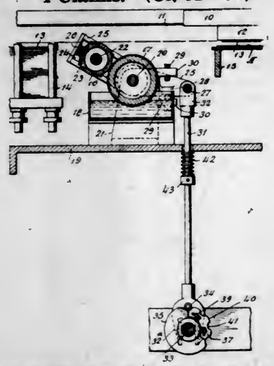
1. A mounting for a gun comprising a carrying member adapted to accommodate the mounting post for the gun, a helical spring mounted on the underside of said carrying member and adapted to be screwed into the ground upon the carrying member being rotated, an external collar on said carrying member, a tripod for supporting said carrying member said tripod having a collar at the upper end thereof adapted to receive said external collar on said carrying member for abutting engagement therewith and an abutment plate for engagement with the ground near the lower end of each of its legs.

2,347,444
COMPRESSOR FOR INTERNAL COMBUSTION ENGINES
Philip Conrad Vincent, Stevenage, England, assignor to Vincent "H. R. D." Company Limited, Stevenage, England, a British company
Application February 22, 1943, Serial No. 476,754
In Great Britain January 6, 1942
9 Claims. (Cl. 123—51)



7. The combination with a two-cylinder opposed-piston engine having exhaust ports and inlet ports at opposite ends of each cylinder controlled respectively by the two engine pistons, a pump cylinder arranged between the two engine cylinders and having opposed pistons therein, two crankshafts arranged at opposite ends of the set of cylinders, which crankshafts are connected to a driving shaft, outlet ports in the pump cylinder at the centre thereof and at opposite ends thereof, inlet ports between the central exhaust port and each of the other ports, which centrally-disposed exhaust port is connected to the inlet ports of one engine cylinder, and which outwardly disposed ports are connected to the inlet ports of the other engine cylinder, and means for driving the pump in required phase relationship with the engine.

2,347,445
ADHESIVE APPLYING APPARATUS
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application September 13, 1941, Serial No. 410,674
4 Claims. (Cl. 91—50)



1. In a labeling machine including a label pick-up station and a label applying station and

means for transporting a label over a given path from said pick-up station, that improvement which comprises adhesive applying means movable to an operative position in adhesive applying relation to the transported label during the travel of said transporting means over said given path, and mechanical means for repeatedly moving said adhesive applying means to and from said operative position in predetermined sequence within the surface limits of said label during the transporting thereof in adhesive receiving relation to said adhesive applying means whereby adhesive is applied to a surface of the label in a predetermined distinctive manner in contradistinction to applying a coating of adhesive over said surface throughout its entirety.

2,347,446
PREPARATION OF REDUCING AGENTS
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1942, Serial No. 431,817
4 Claims. (Cl. 260—500)

1. The process for preparing formamidine sulfinic acid which comprises reacting an aqueous solution of hydrogen peroxide and an aqueous solution of an equilibrium melt comprising thiourea and ammonium thiocyanate, the temperature of the reaction mixture being controlled during said reaction so that it does not exceed about 30° C.

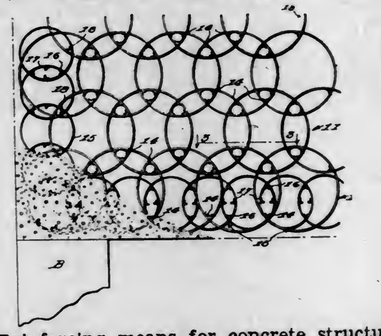
2,347,447
PREPARATION OF TRIOXANE
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1942, Serial No. 441,230
6 Claims. (Cl. 260—340)

1. A process for separating trioxane from an aqueous mixture in which it is present with formaldehyde which comprises distilling said aqueous mixture under such conditions that the distillate comprises essentially only a low boiling mixture having a boiling point within the range 90–92° C., said distillate comprising trioxane and water, and an amount of formaldehyde not exceeding 0.5 part by weight for each part of trioxane present therein; and then separating the trioxane from the distillate.

2,347,448
BRIGHT COPPER PLATING
Christian J. Wernlund, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 10, 1941, Serial No. 387,859
9 Claims. (Cl. 204—52)

1. A process for the electrodeposition of bright copper which comprises electrolyzing a solution containing 8 to 22 oz. per gallon of copper cyanide, 3 to 8 oz. per gallon of alkali metal hydroxide, 0.25 to 8 oz. per gallon of alkali metal sulfocyanide and an amount of alkali metal cyanide equivalent to a sodium cyanide to copper cyanide weight ratio of from 1:1 to 1.25:1, the alkali metal constituents of said solution being sodium and potassium present in the proportion of 1 to 6 moles of sodium ions for each mole of potassium ions.

2,347,449
REINFORCED CONCRETE STRUCTURE
David H. Whitehill, Wichita Falls, Tex., assignor to Whitehill Engineering Company, Wichita Falls, Tex., a partnership
Application July 2, 1943, Serial No. 493,273
7 Claims. (Cl. 72—109)



1. Reinforcing means for concrete structures comprising a plurality of series of individual steel rings the center lines of the rings of the respective series being in spaced parallel relation, the rings of each series being in overlapping engagement and the rings of each series being in spaced overlapping relation to the rings of the adjacent series.

2,347,450
ELECTRODEPOSITION OF COPPER FROM FUSED BATHS
James H. Young, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 27, 1941, Serial No. 408,492
8 Claims. (Cl. 204—39)

1. The process for electrodeposition of copper which comprises electrolyzing a molten bath which consists essentially of alkali metal cyanide and about 1 to 50% by weight of copper cyanide, at a temperature not greater than about 600° C.

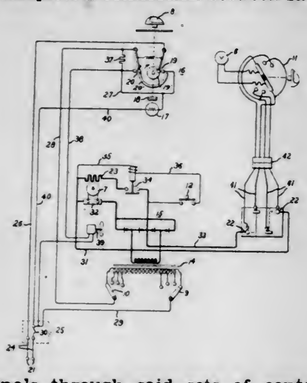
2,347,451
ELECTROLYTIC DEPOSITION OF MANGANESE
Paul M. Ambrose, College Park, Md., assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 31, 1939, Serial No. 276,554
9 Claims. (Cl. 204—105)

1. In a method of making high purity manganese which comprises electrolyzing an aqueous solution containing a soluble manganese salt, the steps which comprise adding to said aqueous solution a sulphide ion and an inert, solid material having a high specific surface, the sulphide ion being effective to precipitate such heavy metals as may be present, allowing the solution to stand for a short period of time, and filtering.

2,347,452
BATTERY SERVICING
Ralph D. Amsden, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application February 17, 1942, Serial No. 431,281
6 Claims. (Cl. 320—22)

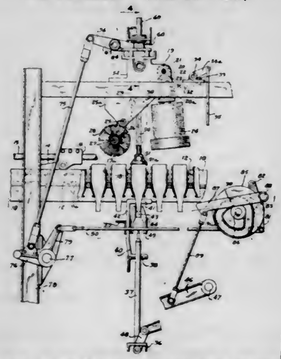
1. A battery charger comprising, in combination, a pair of input terminals for connection

across a supply circuit, a pair of output terminals for connection across a storage battery to be charged, a first set of contacts, a second set of contacts, said contacts being connected in series with each other for controlling the energization of said output terminals from said input terminals, an impedance connected across said second set of contacts, a timing motor connected across said input terminals through said first set of contacts, manually rotatable means for closing said first set of contacts in all positions of said means except an "off" position thereof so as to complete a connection between said pairs



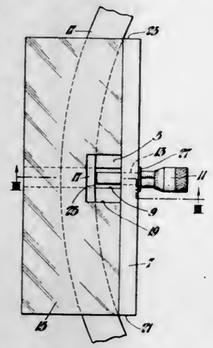
of terminals through said sets of contacts in series and so as to energize said motor through said first set of contacts, said means opening said first set of contacts when it is returned to said "off" position, and an overrunning connection between said motor and said rotatable means whereby said motor drives said means and said means can be manually rotated faster than said motor drives it, said means opening said second set of contacts when it has rotated a predetermined fraction of a revolution so as to reduce the charging rate to a relatively low value by inserting said impedance in the connection between said pairs of terminals.

2,347,453
BOTTLE CLEANING APPARATUS
Ernest R. Becker, Oak Park, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application March 27, 1942, Serial No. 436,446
8 Claims. (Cl. 15—60)



1. An apparatus for cleaning bottles comprising; a conveyor having transversely extending bottle carriers each provided with seats for bottles, a transverse series of bottle-bottom clamping members, and means normally supporting the same in close proximity to and above the bottoms of the bottles on the carriers brought successively therebeneath, means for imparting intermittent movement to said conveyor thereby to bring the carriers and the bottles supported thereby successively beneath said clamping members, and means operative during an inactive cycle of the conveyor for lifting a transverse series of bottles from their respective seats in a carrier thus brought beneath said clamping members and for also lifting the clamping members above the said carrier with their bottoms in clamping engagement with the bottoms of the bottles thus lifted and for thereafter restoring the bottles thus lifted to their seats in said carrier and the clamping members to their original positions above and in close proximity to the bottoms of these bottles; and additional means, operative during the next succeeding forward cycle of the conveyor, for raising the said clamping members and lowering them to their positions in close proximity to and above the bottoms of the bottles on the carriers.

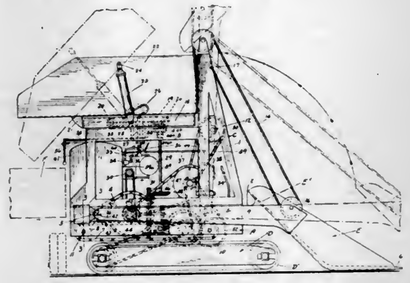
2,347,454
METHOD AND APPARATUS FOR MEASURING BUCKLE OR CENTER STRETCH IN COLD ROLLED STEEL STRIPS
Rollin B. Beckett, Parma, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 8, 1941, Serial No. 414,184
12 Claims. (Cl. 73—51)



1. Apparatus for measuring the amount of buckle in a steel strip, which comprises in combination, a block having a substantially flat surface, a plate for the block overlying the block and enabling a test piece of steel to be inserted between the plate and the flat surface of the block, measuring means carried by the block, and means defining a chord for a cambered steel strip, the measuring means being positioned relative to the said chord to measure the amount of camber in the strip.

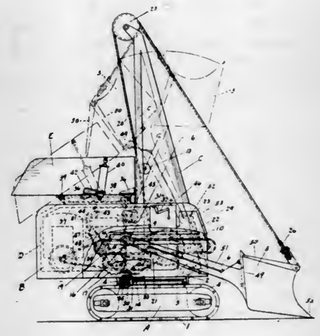
11. A method of grading metal strips of the type wherein the strip is formed with a center stretch or buckle therein, which comprises dividing the strip longitudinally through the buckle to form two pieces each having a buckled edge, restraining one of the said pieces in flat position while allowing the piece to form a camber along the buckled edge thereof, and measuring the amount of the said camber to determine the amount of buckle in the strip, thereby enabling duplication of the buckle in succeeding strips.

2,347,455
EXCAVATING AND TRUCK LOADING MACHINE
Raymond A. Beckwith, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application February 1, 1943, Serial No. 474,334
6 Claims. (Cl. 214—78)



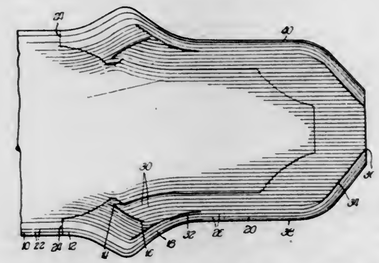
1. In a machine of the class described, in combination, a portable support, a body thereon, means for propelling the same, an excavating dipper carried by the supporting means for operating said dipper to crowd the same to its work in excavating, means for elevating said dipper to discharge the contents thereof, a truck loading bin carried by the body of the machine, and means rotatably and tiltably mounting said bin on the body for discharging when tilted in a direction at angles to the direction of movement of the dipper in performing its excavating work.

2,347,456
INSTANTANEOUS TRUCK LOADING SHOVEL
Raymond A. Beckwith, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis.
Application February 15, 1943, Serial No. 475,986
9 Claims. (Cl. 214—132)



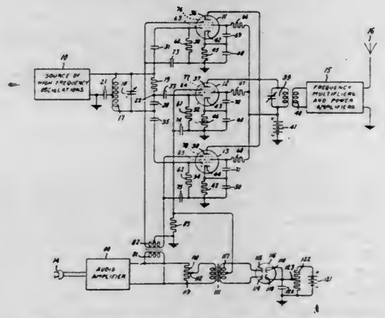
1. In an excavating crane of the class described, in combination, a traction base, a full circle swing body mounted upon the traction base, excavating instrumentalities carried by the swing body, a swing bin or hopper mounted on the swing body, and means for operating the excavating instrumentalities so that material excavated thereby may be carried to and discharged into the swing bin or hopper.

2,347,457
HOSIERY
Edward W. Boedeker, Fort Wayne, Ind., assignor of fifty per cent to Henry J. Herbst, Fort Wayne, Ind.
Application February 4, 1942, Serial No. 429,455
1 Claim. (Cl. 66—187)



A stocking comprising a leg portion, a heel portion, a foot portion, and high splicing above said heel portion, the stocking being so constructed that certain of the marginal wales a predetermined distance from the edge extend continuously down the leg portion, around the heel portion and the length of the foot portion, the heel portion and high splicing being knitted with a reenforcing thread, the heel portion being widened for the length of said heel portion whereby a gore line is formed inwardly of the heel edge, such gore line being formed of aligned apertures for the length of the heel portion but said marginal wales at the edge are continuous from the leg portion into the heel portion for the length of the heel, said gore line of apertures being equidistant from the heel edge whereby the same number of wales are between the heel edge and gore line for the length of said gore line, said gore line terminating at a point preceding the course where the narrowing of the heel pocket begins, the reenforcing thread of said heel and a portion of the high splicing adjacent the gore extending inwardly of the gore line for strengthening said gore line.

2,347,458
FREQUENCY MODULATION SYSTEM
George M. Brown, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 23, 1942, Serial No. 440,172
14 Claims. (Cl. 179—171.5)



1. The method of producing a carrier wave having its phase modulated in linear relation

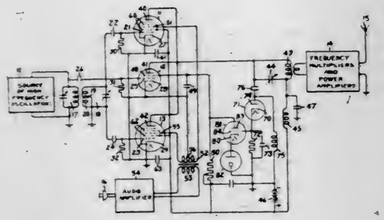
with a desired signal which comprises generating a plurality of carrier wave components displaced in phase, combining said components to produce the desired carrier wave as a resultant, and increasing the intensity of one of said components in linear relation to the intensity of said signal from its minimum value thereby increasing said resultant and the phase angle between the other of said components and said resultant, and reducing said other component with increase of said signal to reduce said increase in intensity of said resultant to an increase of such amount that phase angle between said other of said components and said resultant increases linearly with increase in said signal over the useful range of variation of said signal.

2,347,459

FREQUENCY MODULATION APPARATUS

William F. Goetter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 28, 1942, Serial No. 444,843
9 Claims. (Cl. 179—171.5)



1. In a system for modulating the phase of a carrier wave in linear relationship in accordance with a desired signal, the combination of means for modulating the time phase of said wave in accordance with a function of said signal, said means being effective to change the intensity of said wave as the time phase thereof is modulated, and means responsive to said change in intensity of said carrier wave to modulate the time phase of said carrier wave further by such an amount that said time phase varies substantially according to a linear function of the intensity of said signal.

2,347,460

PROCESS FOR TREATING FAT-SOLUBLE VITAMIN-CONTAINING OILS

Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application February 29, 1940, Serial No. 321,409
12 Claims. (Cl. 167—81)

1. A process for obtaining high potency extracts from fat-soluble vitamin-containing oils, which comprises contacting a fat-soluble vitamin-containing oil having an unsaponifiable content of at least 2% with an alcohol selected from the group consisting of methanol and ethanol at an elevated temperature, cooling the mass to a temperature below 0° C., and recovering the alcoholic layer which separates from the cooled mass.

2,347,461

TREATMENT OF FAT-SOLUBLE VITAMIN MATERIALS

Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application May 11, 1940, Serial No. 334,577
8 Claims. (Cl. 167—81)

1. A process of increasing the potency of a fat-soluble vitamin concentrate selected from the group consisting of vitamin A, vitamin D and vitamin A and D concentrates which comprises contacting the concentrate with an activated phosphate of a polyvalent metal selected from the class consisting of calcium, barium, aluminum, magnesium and strontium, in the presence of a non-polar solvent, separating the phosphate bearing the vitamin adsorbed thereon and eluting the adsorbed vitamin from the phosphate adsorbent by means of a non-polar solvent containing a minor portion of a polar solvent.

2,347,462

REFINING AND STABILIZING FAT-SOLUBLE VITAMIN-CONTAINING FATTY MATERIALS

Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application August 14, 1941, Serial No. 406,832
8 Claims. (Cl. 167—81)

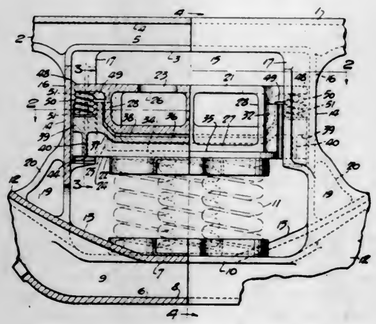
1. A process for the removal of undesirable tastes and odors from fat-soluble vitamin-containing materials and for the stabilization of said materials against oxidative changes, which comprises mixing a fat-soluble vitamin-containing material selected from the group consisting of fish oils, fish liver oils and concentrates thereof with a tomato product and heating the mixture at a temperature between 100° C. and 200° C. under reduced pressure for a period of time sufficient to remove the objectionable tastes and odors from said vitamin-containing material.

2,347,463

RAILWAY TRUCK

Glenn F. Couch, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application May 24, 1940, Serial No. 337,101
48 Claims. (Cl. 105—197)



4. In a railway truck, a side frame having horizontally spaced guide columns defining a bolster opening, a vertically movable bolster structure positioned in said opening between said guide columns, longitudinally directed abutments formed on said bolster structure, longitudinally extending wedges formed on said bolster structure in vertically spaced relation with said abutments, transversely spaced and transversely movable counterpart shoes interposed between each wedge and associated guide column for frictionally engaging the latter, and springs reacting against said abutments and shoes for urging the latter against said wedges.

2,347,464

METHOD OF PULVERIZING RESINOUS AND THERMOPLASTIC MATERIALS

Charles W. Cuno, Wilmington, Ill., assignor to The Lehon Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 8, 1939, Serial No. 308,217
6 Claims. (Cl. 260—758)

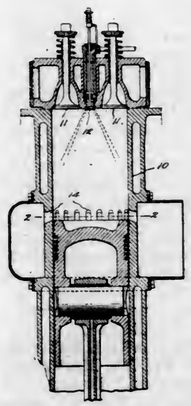
1. A method of grinding a thermo-plastic material to produce a finely pulverized product, which consists in mixing the material with solid carbon dioxide to substantially lower the temperature of the material, treating the solid carbon dioxide by adding a liquified gas thereto having a temperature below that of the solid carbon dioxide to further lower the temperature of the material, said solid carbon dioxide having the property of absorbing the liquified gas, the amount of liquified gas added to the solid carbon dioxide not exceeding the amount required to render the solid carbon dioxide soft and cause the same to lose its solid characteristic before volatilization thereof, and finally grinding the material while in intimate contact with the solid carbon dioxide as thus treated.

2,347,465

TWO-CYCLE GAS ENGINE

Charles G. Curtis, New York, N. Y.

Application November 5, 1942, Serial No. 464,561
3 Claims. (Cl. 123—65)



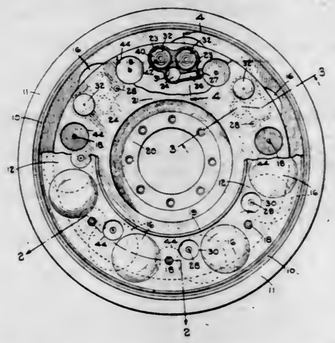
3. In a uniflow type of two-cycle internal combustion engine comprising a cylinder and a piston, inclined inlet ports for introducing scavenging air and for giving a swirl or rotational movement to the column of air within the cylinder which persists throughout compression after scavenging is completed, in combination with means for injecting a gas jet or stream in the form of a hollow cone into the swirling air in the early part of the compression stroke so that the air and gas become thoroughly mixed during the compression stroke.

2,347,466

RESILIENT WHEEL

Herbert Henry Branson Deane, Edgbaston, Birmingham, England

Application April 24, 1943, Serial No. 484,416
In Great Britain April 1, 1942
6 Claims. (Cl. 152—23)



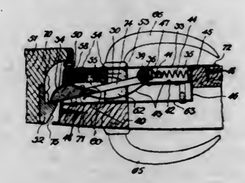
1. A resilient wheel comprising a rim unit and a hub unit, the rim unit having a pair of spaced side plates formed with concavities, the concavities in one side plate being staggered in relation to the concavities in the other side plate, the hub unit having a portion engaging between said side plates, said portion being formed with cylinders, each of said cylinders being open at one end and closed at the opposite end, said cylinders each being co-axial with one of said concavities and with its open end directed towards a concavity, a hollow plunger in each cylinder having its open end directed towards the closed end of the cylinder, and having its opposite end shaped to correspond with the shape of the concavity, a plurality of springs in each cylinder acting on the plunger, one of which springs is pre-stressed, and a pair of washers in each plunger between the springs and the end of the plunger adjacent the concavity.

2,347,467

DOOR LATCH

Anton Diemer, Stuttgart, Germany; vested in the Alien Property Custodian

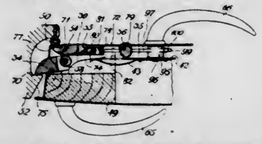
Application November 13, 1939, Serial No. 303,977
In Germany May 12, 1938
13 Claims. (Cl. 292—65)



1. A door latch more particularly applicable to motor vehicles doors being under spring ten-

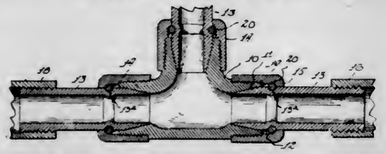
sion when closed, comprising a casing adapted to be secured in a door, a latch bolt mounted slidably and swingably in said casing, a slider shiftably guided in said casing and adapted to be moved between a wall thereof and said latch bolt in parallelism to the sliding forward and backward movement of said latter, a swinging lever movably connected to said slider and being connected for operation by rotary means, door handles operatively connected therewith, spring means secured in the said latch casing and adapted to urge said bolt into its locking position wherein it is engaged behind an abutment secured on the body frame encircling the door opening which frame is also provided with an abutment against which the door bears when said latter is in its fully closed position, the said sliding and swinging or transverse motions of said latch bolt being carried out consecutively only and separately from one another.

2,347,468
DOOR LATCH
Anton Diemer, Stuttgart, Germany; vested in the Alien Property Custodian
Original application November 13, 1939, Serial No. 303,977. Divided and this application October 10, 1940, Serial No. 360,523. In Germany May 12, 1938
13 Claims. (Cl. 292—65)



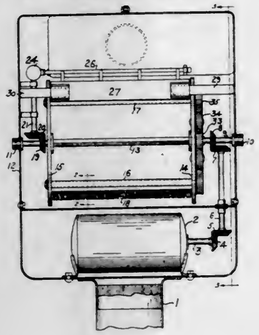
1. A door latch of the kind described, comprising a casing adapted to be secured in a door, a latch bolt mounted slidably in said latch casing and adapted to be swung about its inner end in a direction transverse to the plane of the door, a slider adapted to perform forward and backward movements along a base plate of said casing between said plate and said latch bolt, a swinging lever pivotally connected with said slider and attached by link means to levers rigidly connected with hubs journalled in said latch casing and carrying spaced door handles adapted to be operated independently from one another, each of said levers and its respective link being disposed substantially in a straight line when in position of rest, and spring means adapted to urge said bolt into its locking position and to press the head of said bolt towards a base plate of said latch casing.

2,347,469
PIPE COUPLING
Charles A. Dies, Chicago, Ill.
Application March 27, 1943, Serial No. 480,811
1 Claim. (Cl. 285—122)



Means for connecting pipes to couplings, valves, and other types of fixtures, in which the coupling is provided with an inwardly tapered annular wall within the opening which receives the pipe spaced from the outer end of the opening by a plain inner wall, in association with a pipe externally shaped at its end to intimately engage the tapered wall in the coupling, a circumferential semi-circular recess in the pipe spaced from the tapered portion of the end thereof, and a split ring round in cross-section seated in the recess in the pipe, said ring having spaced apart notches in the inner side thereof to increase the resiliency of the ring for expanding it over the tapered portion of the pipe; together with a collar slidable on the pipe and having an inwardly projecting flange to engage the ring, and said collar being threaded for connecting the same to the coupling to clamp the meeting surfaces together and form a seal tight joint between the pipe and coupling.

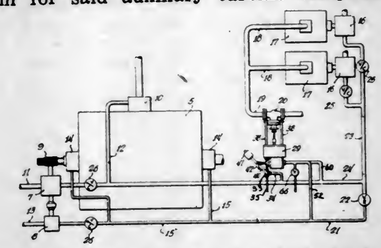
2,347,470
ELECTRICALLY OPERATED ROTARY PAINTBRUSH
George R. Dillin, Charlotte, Mich.
Application August 20, 1941, Serial No. 407,691
3 Claims. (Cl. 91—41)



1. A rotary paint brush, comprising a handle, a casing attached to the handle, a paint tank in the casing, a brush serving paint trough carried by the casing, means for conducting paint from the tank to the trough, a pair of revoluble brush carrier disk plates arranged opposite each other in the casing in spaced relation, a shaft having bearings upon the casing and constructed to support said carrier disks, an electric motor in the casing, shafting and gearing means whereby the said disks shaft is revolved by the motor, a plurality of brush members extending between the disks, each of said brush members having a revoluble shaft extending from one of said disks to the other disk, a driving gear concentric with the center of one disk, planetary gearing carried by the disk engaging said driving gear and arranged to rotate the brush shafts, the brush members being arranged to dip into said trough, said casing having a paint applying opening, and the said brush members being arranged to be moved successively into the said opening to apply paint to an object by way of said opening.

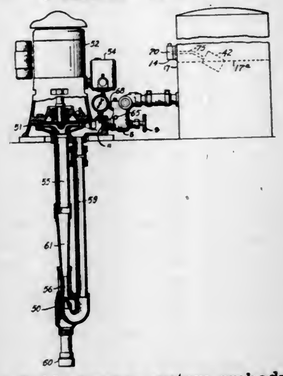
2,347,471
SUPPLEMENTARY AUXILIARY APPARATUS FOR PRIME MOVERS
Frederick L. Dornbrook, Milwaukee, Wis., assignor to Wisconsin Electric Power Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 6, 1942, Serial No. 429,762
3 Claims. (Cl. 103—11)

1. In power generating equipment having a main steam turbine and an auxiliary steam turbine, a pump for furnishing hydraulic governor operating fluid for said main turbine at a predetermined pressure, a pump for furnishing lubricant to said main turbine at another pressure, means for driving said pumps from said main turbine, and an emergency hydraulic fluid pump driven by said auxiliary turbine, control mechanism for said auxiliary turbine comprising a



valve controlling the supply of steam to said auxiliary turbine, and hydraulically controlled means dependent upon the proper supply of hydraulic fluid at said different pressures by the first and second named pumps respectively for controlling said steam valve.

2,347,472
AIR VOLUME CONTROL FOR FLUID PRESSURE TANKS
John G. Dorward, Jr., Alameda, Calif.
Application November 16, 1940, Serial No. 365,894
9 Claims. (Cl. 103—6)



1. In a fluid pressure system embodying a fluid storage tank and a discharge line, a pump for supplying a liquid under pressure to the tank, said pump having an inlet and a discharge connection, a by-pass on the discharge side of the pump and in communication with the tank, a valve normally closing the discharge outlet of the pump, means for setting up a differential pressure sufficient to create a temporary flow through the by-pass of sufficient velocity to aspirate air, whenever said pump is started, an aspirator mounted in the by-pass and actuated by liquid flow therethrough for introducing a gas into the tank, and means actuated by the level of the liquid in the tank for effecting the delay-action in the opening of the valve.

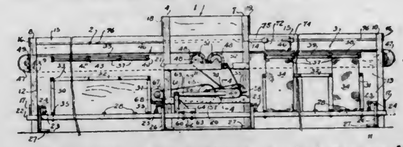
2,347,473
SCRAPER
Christian Ericksen, Brooklyn, N. Y.
Application July 13, 1943, Serial No. 494,494
4 Claims. (Cl. 30—171)

1. In a scraper of the class described, an elongated holder including a body part having a reduced front end provided with top and bottom faces converging forwardly, a pair of upper and lower clamping plates opposed to said top and bottom faces, respectively, in forwardly converging relation and extending forwardly of said front end, and a double edged scraper blade clamped between said plates forwardly of said



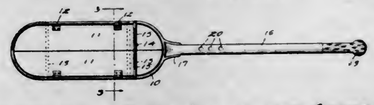
front end and in a plane oblique to the horizontal plane of said body part, said blade having a central bent portion forming a rib on one side of the blade and a groove on the other side and said upper and lower plates having a rib and groove extending across the front end thereof, respectively, and mating with said groove and rib of the blade.

2,347,474
SACK JIGGER
Earl A. Ernst, Bakersfield, Calif.
Application April 13, 1942, Serial No. 438,705
2 Claims. (Cl. 259—72)



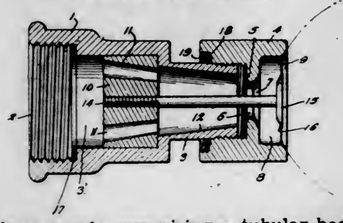
1. In a device for shaking containers and the like to settle the contents thereof, a frame work, a platform for supporting a plurality of containers, hinged means supporting the platform from the framework, vibratory means connected to the platform for shaking it and the containers supported thereby, said means including a pitman adjacent the platform, coupling means connecting the pitman with a portion of the platform, and rotary means attached to the pitman for reciprocating it, said platform including an elongated surface with container stations from the ends thereof to a central open locus, said vibratory means having its connection with the platform at this central locus.

2,347,475
OAR OR PADDLE
William R. Ford, Drumright, Okla.
Application January 26, 1943, Serial No. 473,642
1 Claim. (Cl. 9—24)



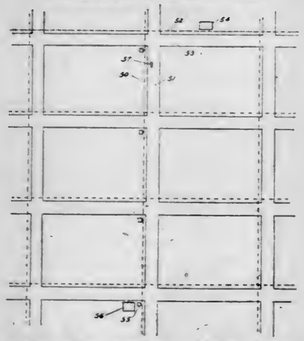
An oar or paddle having an open frame provided with parallel side members, blades hinged to the respective side members, abutment means on the frame engageable by the blade means to maintain the latter closed and coplanar on the power stroke, and arched abutment means extending from one frame member to the other and opposed to the first abutment means, said abutment means serving to brace the frame and engageable by the blade means to limit opening movement of the blade means on the take-up stroke, and a handle extending from said frame.

2,347,476
HOSE NOZZLE
Harry D. Graham, Kingston, N. Y.
Application May 28, 1943, Serial No. 488,867
1 Claim. (Cl. 299—131)



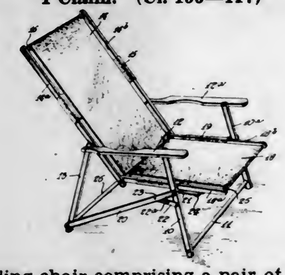
A hose nozzle comprising a tubular body having an internally threaded rear end for coupling to a hose and provided with a reduced front end nipple, a cylindrical head threaded onto said nipple and provided with an internal diametrical web intermediate its ends having an axial circular discharge aperture therein, said head including a circular open front chamber in its front end into which the discharge aperture opens, said head having a beveled internal front edge forming a flaring mouth for said chamber, a cylindrical plug fixed in said body in the rear of said nipple and provided with two inner and outer concentric circular series of forwardly tapered ducts converging relatively in each series forwardly to direct fluid passing therethrough at said nipple in separate streams at said discharge aperture, the apertures of the inner series being smaller in diameter than those in the outer series to provide for smaller streams issuing therefrom than from the outer series to maintain the streams separate, and a disk-like baffle in said chamber in front of said aperture concentric to said aperture and chamber for baffling liquid issuing from said aperture, breaking up liquid impacting the same into finely divided form and deflecting the finely divided liquid against the wall of said chamber to be subdivided under impact against said wall into mist to issue out of said mouth in the form of a cloud, said nipple having a forwardly tapering bore coacting with said ducts to direct liquid issuing from said ducts at said discharge aperture.

2,347,477
SIGNALING SYSTEM
William S. Halstead, Huntington, N. Y.
Application September 8, 1941, Serial No. 410,069
9 Claims. (Cl. 178—5.6)



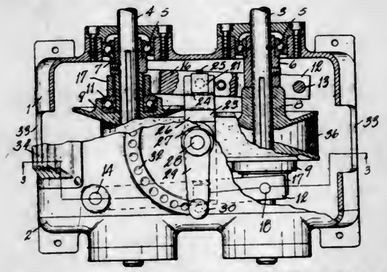
1. In a signaling system of the class described, a signal transmitter, a signal storage means having a magnetic record-bearing medium, a plurality of signals pre-recorded on said magnetic record-bearing medium, one of said signals magnetically simulating voice intelligence, another of said signals simulating graphic intelligence and adapted for recording at the receiver end and having frequencies within a predetermined audio frequency range, pick-up means for converting one of said recorded signals into electrical signals, pick-up means for converting said other of said recorded signals into electrical signals, conductor means connecting both of said pick-up means with a signal input circuit of said signal transmitter, manually-operable initiating means for causing actuation of the carrier wave transmitter and said signal storage means, and a remote receiving station for filtering and translating the first mentioned signals into aural form and for filtering and translating the other of said signals into visual form for providing a graphic record of said received aural signals.

2,347,478
CHAIR
Lawrence A. Heddens, Bradford, Pa., assignor to Mahoney Chair Company, Gardner, Mass.
Application October 10, 1939, Serial No. 298,837
1 Claim. (Cl. 155—117)



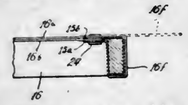
A folding chair comprising a pair of front legs and a pair of rear legs, arm rests pivotally connected to the upper ends of said front and rear legs, a seat frame and a back frame, the seat frame being pivotally connected at its rear to the lower end of the back frame, brace members pivotally connected at their rear ends to the lower extremities of the rear legs and extending forwardly and upwardly at an inclination and being pivotally connected at their opposite ends to the front legs, said arm rests and brace members coacting to maintain the front and rear legs in slightly converging spaced relation when the chair is set up, the upper ends of the rear legs being also pivotally connected to the back frame and taking the weight from the rear end of the seat and the back frame in a substantially straight line to the floor or other support on which the chair may be disposed, a cross rod extending beneath the seat frame and forming a slidable support for the front extremity of the latter, said cross rod at its opposite ends projecting through the front legs and providing a pivotal connection between the brace members and front legs, guide brackets connected to the under side of the seat frame, said cross rod projecting through said brackets to limit the sliding movement of the seat on said rod, and links pivotally connecting the brace members to the front legs, said links each having a slot therein and said brace members each being provided with a projection engaging in said slot to thereby limit the spread of the front and rear legs when the chair is set up.

2,347,479
VARIABLE SPEED TRANSMISSION
Eugene Higgins, Jackson, Mich.
Application November 2, 1942, Serial No. 464,158
15 Claims. (Cl. 74—230.17)



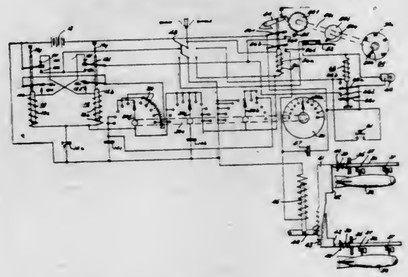
1. In a variable speed transmission, the combination with driving and driven shafts, of a pair of coacting cone pulley members on each shaft, both of the pulley members of the pairs being rotatable with their respective shafts, at least one of the pulley members of each pair being splined to its shaft for axial movement thereon and being provided with an axial thrust bearing, a V-belt coacting with said pulleys, levers disposed on opposite sides of the pulleys and pivoted at their opposite ends, said levers comprising spaced pairs of lever members having connecting cross members intermediate the ends thereof, the swinging ends of said levers being provided with thrust collars swiveled between the lever members to coact with the thrust bearings of said axially movable pulley members, a shifting bar slotted at its ends disposed centrally between the pairs of pulleys and slidably supported at its ends on the upper lever members, thrust blocks engaged in said slots in said shifting bar and provided with stems loosely threaded into said lever cross members whereby they are supported for swiveling movement in spaced relation to the upper lever members, thrust members adjustably mounted on said thrust blocks to coact with the inner ends of said slots of said shifting bar providing for lost motion engagement of said shifting bar with said thrust blocks, a spring connected at its ends to said stems of said thrust blocks, and means for actuating said shifting bar.

2,347,480
STEEL FRAME THRESHER SCREEN
William A. Holtzman, Peoria, Ill., assignor to Hart-Carter Company, Peoria, Ill., a corporation of Delaware
Application October 22, 1941, Serial No. 416,036
4 Claims. (Cl. 189—36)



1. In a steel thresher screen, side and end rails formed in hollow rectangular sections with inwardly extending flanges, the rails having rivet holes near their ends through the flanges, the end rails being formed with folding flaps on the top flanges, the inside ends of the side rails being formed and arranged for abutting endwise contacts with the inside walls of the rectangular section of the end rails, the flanges being interlapped with the rivet holes in alignment when in exactly square sized relationship, rivets through the rivet holes, the flaps of the end rails being folded around the outside edges and bottoms of the rectangular sections of the side rails, and fastening means to hold the parts in square relationship.

2,347,481
TIMING DEVICE
Frederick J. Hooven, Dayton, Ohio
Application July 22, 1939, Serial No. 285,908
16 Claims. (Cl. 177—380)



12. A timing device for use in the sequential dropping of bombs and the like comprising a timing circuit adapted upon being energized to produce a series of periodic impulses of preselected variable frequency at uniform intervals following such energization, a counter mechanism adapted to be set for a predetermined number of operations, means for actuating said counter mechanism at each of said periodic impulses, means controlled by the operation of the counter mechanism for opening and disabling the timing circuit following said predetermined number of actuations thereof, and means for by-passing said circuit opening means during the operating movement of said counter mechanism to assure completion of each actuation thereof including the last actuation.

2,347,482
ELECTRIC TORCH
David Karo, London, England
Application March 10, 1943, Serial No. 478,710
In Great Britain April 8, 1942
1 Claim. (Cl. 201—63)

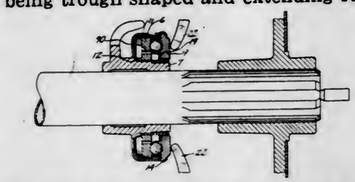


A dimming resistance element for flash lights comprising an insulating support, a length of resistance wire wound on such support, eyelets to which the ends of said resistance wire are connected, two insulating layers held in place over the two sides of said resistance wire by said eyelets, terminals secured at the outside each on one of said eyelets, and tabs on each of said insulating layers each turned back over the end of one eyelet and tucked under one of said terminals on another of said eyelets.

2,347,483
THRUST BALL BEARING
Morris Katcher, New York, N. Y.
Application January 19, 1943, Serial No. 472,807
5 Claims. (Cl. 308—233)

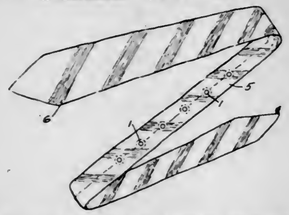
1. A bearing comprising a pair of race rings, balls adapted to roll between the race rings hold-

ing them in axially spaced relation, and a retainer ring substantially M-shaped in cross-section, the outer leg of the M being an axially extending flange, and the inner leg being also an axially extending flange, the web of the retainer ring being trough shaped and extending radially



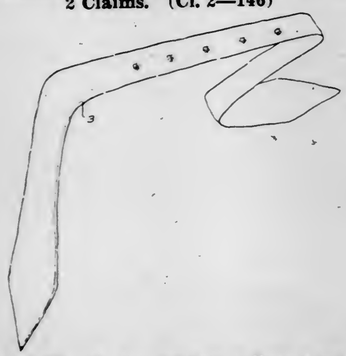
between said flanges, the balls being set in circumferentially spaced holes in said web, the end of the inner leg at its junction with the web being rounded and the free end of the inner leg being turned back on itself to present a rounded face to its adjacent race ring, said inner leg acting as a spacer for the retainer ring between the race rings.

2,347,484
NECKTIE
Clifton V. Kenney, Bayonne, N. J.
Application September 15, 1942, Serial No. 458,391
2 Claims. (Cl. 2—146)



1. In a necktie, balls freely mounted in the narrow portion of the tie that is positioned inside of a collar, in use, characterized in that the mounting means comprises concave discs with central openings, and prongs extending from the edges of one of said discs adapted to be inserted through the material of the necktie and crimped over the other of said discs.

2,347,485
NECKTIE ROLLER MOUNTING
Clifton V. Kenney, Bayonne, N. J.
Application September 15, 1942, Serial No. 458,392
2 Claims. (Cl. 2—146)

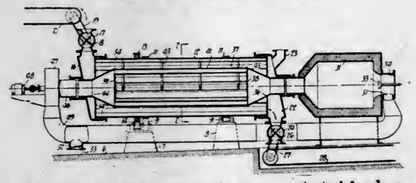


1. A mounting for necktie rollers comprising an eyelet having a flange at one end with oppositely positioned recesses extending radially thereacross, a complementary flange with corresponding recesses crimped to the said eyelet flange, a roller having trunnions positioned in the eyelet with the trunnions rotatable in the said recesses of the flanges, and means clamping the eyelet in a necktie or the like.

2,347,486
PRESERVATION OF COMESTIBLES
Felix Kiefer, Flushing, N. Y.
Original application September 11, 1939, Serial No. 294,225. Divided and this application May 23, 1942, Serial No. 444,180
5 Claims. (Cl. 99—150)

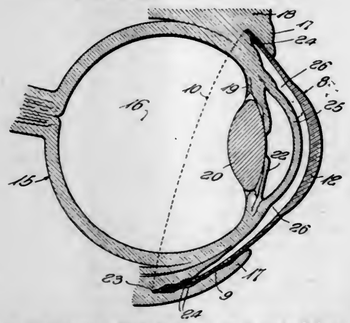
2. In a process of preserving from oxidative deterioration a comestible in form of solid particles containing substances susceptible of turning rancid, the method which comprises maintaining an electric discharge zone under partial vacuum, maintaining in said zone hydrogen gas whereby to produce active hydrogen and contacting the active hydrogen with said solid particles.

2,347,487
ROTARY DRIER
Henry Kirchmann, Jr., San Francisco, Calif., assignor of one-half to Alfred N. Warburton, Oakland, Calif.
Application July 13, 1940, Serial No. 345,382
3 Claims. (Cl. 34—142)



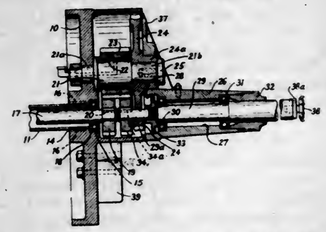
3. A rotary drier comprising a rotatable drum, a source of heat supply connected to said drum, a feed conveyor, a material feeding valve disposed to discharge material from said conveyor into one end of said drum, means for driving said feed conveyor and feeding valve in unison and a material discharge valve at the other end of said drum.

2,347,488
OPTICAL LENS
John H. Lawlor, New York, and Emil Danz, Flushing, N. Y.
Application April 5, 1943, Serial No. 481,898
9 Claims. (Cl. 88—54.5)



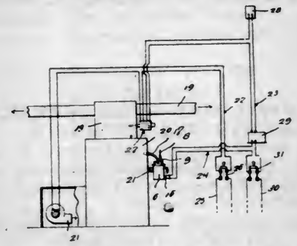
1. An optical lens structure comprising a skirt shaped to conform to and enter the conjunctival sac of the eye and to rest lightly against the conjunctival membranes thereof, said skirt being everywhere of sufficient internal size to clear the cornea and its surrounding limbus and at least the major surface areas of the scleral tissues of the eyeball, and a lens proper carried by said skirt for disposition in front of the cornea in spaced relation thereto.

2,347,489
ATTACHMENT FOR MACHINE TOOLS
Harry M. Laxer, Jersey City, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application October 10, 1942, Serial No. 461,610
5 Claims. (Cl. 90—15)



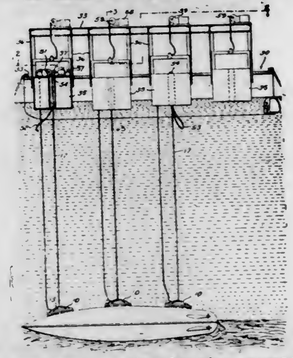
1. A milling attachment for a lathe including a face plate adapted to be keyed to the hollow head stock spindle of a lathe, a drive shaft rotatable within said face plate driven independently of said lathe drive, a worm gear mounted above said shaft rotatable within said face plate, for rotative movement relative to said face plate, a second shaft supported from said worm gear and extending therethrough within the area of said face plate, a gear train, including gears on the adjacent ends of said two shafts and an idler in mesh with said two gears for transmitting motion from said drive shaft to said second shaft, the two shafts rotating at the same speed, and means for manually rotating said worm gear relative to said face plate to locate said second shaft in a position eccentric to said drive shaft, whereby in the revolution of said face plate with said lathe spindle, said second shaft will revolve in a planetary path about the axis of said drive shaft, said second shaft being adapted to receive a cutting tool to perform a milling operation upon a piece of work supported upon the lathe for advancement to said tool for traversing engagement thereby.

2,347,490
HUMIDIFIER
Ralph E. Legeman, Evansville, Ind.
Application March 30, 1943, Serial No. 481,140
1 Claim. (Cl. 236—44)



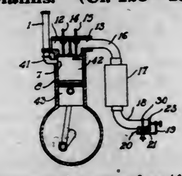
A humidifier comprising an open container, a cover closing said container and detachably secured thereto, a pipe connected to a heat conduit and extending through the cover and detachably secured thereto whereby vapor in the container under its own pressure may pass into the heat conduit, a float controlled water supply means in communication with said container and detachably secured to the cover, an electric heater for vaporizing the water in said container, an electric circuit for said heater associated with an automatic electric control system of a heating system, a humidostat controlling the circuit to the electric heater, an overflow connected to said container adjacent the cover, and a ported baffle arranged over the intake of the overflow and secured to the container above the overflow intake and terminating in the liquid of the container.

2,347,491
SALVAGING APPARATUS AND SYSTEM
Howard Otis Lente, East Williston, N. Y.
Application August 29, 1941, Serial No. 408,764
11 Claims. (Cl. 114—51)



1. In a sunken vessel salvaging apparatus, an attachment member having a rim therearound adapted to contact with the surface of a sunken vessel when said member is lowered upon said surface, resilient sealing means on said rim adapted to contact with said surface, a quantity of cement carried by said sealing means and adapted to conform to the surface of said vessel and to solidify in contact therewith when said sealing means is pressed down upon said surface, and means to remove a substantial part of the water from between said member and said surface.

2,347,492
MEANS FOR AND METHOD OF REMOVING COMBUSTION BY-PRODUCTS FROM INTERNAL COMBUSTION ENGINES
Fred O. Lewis, Dayton, Ohio
Application August 2, 1941, Serial No. 405,260
5 Claims. (Cl. 123—198)



1. Means for removing combustion by-products from internal combustion engine cylinders comprising the combination with a cylinder, and a piston operable therein, said cylinder having an exhaust port therein, a valve for said port oper-

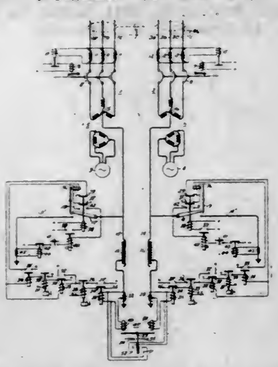
able upon movement of said piston, and an exhaust conduit normally communicating from said exhaust port to the atmosphere, of a closed solvent container, means of communication only between the interior of said container and the interior of said cylinder, and means normally closing the exhaust conduit, said piston being operable to cause discharge of said solvent from said container into the same cylinder and to cause a back pressure to be built up in said exhaust conduit, said last means comprising relief valve means.

2,347,493

PROTECTION OF ALTERNATING CURRENT ELECTRIC POWER SYSTEMS

Philip H. Light, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 10, 1943, Serial No. 494,188
7 Claims. (Cl. 171—97)



1. In combination, two alternating current electric circuits whose phase conductors are not directly conductively connected but are physically so related as to have a material capacitive coupling, each of said circuits having a neutral point, an impedance connection between each of said neutral points and ground, means respectively dependent on the currents in said connections for changing the impedances to ground of said neutral points, and means operative in dependence on a predetermined relation between the currents in said connections on the occurrence of a ground fault on one of the circuits for preventing a change in the impedance to ground of the neutral point of the other circuit.

2,347,494

N-SUBSTITUTED AMIDE AND METHOD FOR PREPARING THE SAME

Frederick Madison Meigs, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 31, 1941, Serial No. 425,123
6 Claims. (Cl. 260—561)

1. N-(β-hydroxyethyl) hydroxyacetamide.

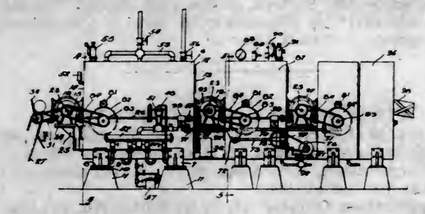
2,347,495

PROCESSING MACHINE FOR CANNED FOODS

William E. Mitton, Shawano, Wis.

Application April 22, 1941, Serial No. 389,817
10 Claims. (Cl. 126—272)

1. A machine for processing material in cans, comprising a sterilizing chamber, separate means for maintaining the chamber at regulated temperature and super-atmospheric pressure, means for feeding cans into the chamber, a series of spaced parallel transverse shafts in the chamber, can supporting rollers on each shaft, gears on



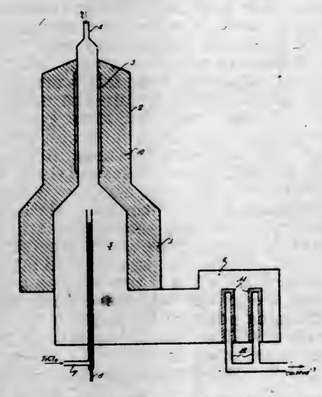
each shaft, a common rack engaging said gears, means for giving said rack rapid reciprocation, means for periodically advancing the cans simultaneously from one pair to the next succeeding pair of supporting rollers, and means for conveying the cans out of the chamber.

2,347,496

PREPARATION OF PIGMENTS

Irving E. Muskat and Alphonse Pechukas, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 4, 1941, Serial No. 405,418
9 Claims. (Cl. 106—300)



1. An improvement in the process of preparing a metallic oxide by thermal reaction of oxygen with a metallic halide capable of reacting with oxygen while minimizing reaction of the halide adjacent hot surfaces which comprises the step of introducing the halide into an oxygen containing atmosphere through an atmosphere of a gaseous halogen which is substantially free from a reacting concentration of oxygen.

2,347,497

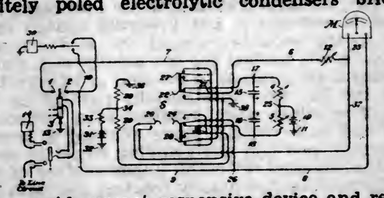
DAMPING MEANS FOR CURRENT RESPONSIVE APPARATUS

James T. Neiswinter, South Orange, N. J., and Oliver P. Horsey, Cleveland, Ohio, assignors to American Telephone and Telegraph Company, a corporation of New York

Application September 6, 1941, Serial No. 409,872
13 Claims. (Cl. 178—69)

1. In combination, a potential source of variable polarity, a current responsive device, a circuit

for associating said current responsive device with said potential source, and damping means associated with said current responsive device for damping the response thereof to current reversals, said damping means including a plurality of oppositely poled electrolytic condensers bridged



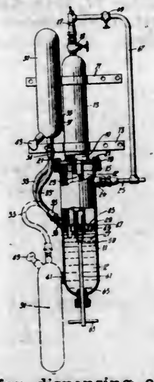
across said current responsive device and resistance means connected in said circuit on each side of said bridge and the ratio of the effective capacity in microfarads of said condensers to the effective resistance in ohms of said resistance means being of the order of or greater than unity.

2,347,498

FLUX DISPENSING PROCESS AND APPARATUS

Malven L. Olson, Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation, a corporation of New York

Application July 20, 1940, Serial No. 346,669
16 Claims. (Cl. 23—2)



2. Process for dispensing a volatilizable flux within a welding gas, which comprises introducing a stream of a moisture-containing welding gas within a body of hydrolyzable volatilizable flux having a surface continuously maintained at a substantially constant level, said gas being introduced at a point near but below the surface level of said body, said flux comprising a lower alkyl borate, flowing the gas along an extended devious path all portions of which are within said flux body closely adjacent the surface of the latter, thereby drying said gas and concurrently impregnating the resultant dry gas with said volatile flux, and withdrawing the flux-impregnated gas substantially free from solid particles formed by the hydrolysis of said alkyl borate flux in the presence of moisture.

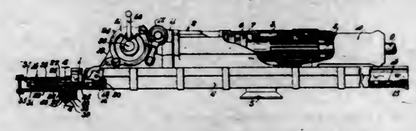
2,347,499

ROCK DRILL

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application August 12, 1941, Serial No. 406,513
6 Claims. (Cl. 255—45)

1. In a rock drill, the combination comprising a guide providing parallel guideways lying in common transverse planes, a drill hammer motor guided on said guide for movement along the guideways thereof, a flexible control element attached to said guide and extending along the bottom of said guide longitudinally between said guideways, a rotary control member carried by said hammer motor and arranged with its axis



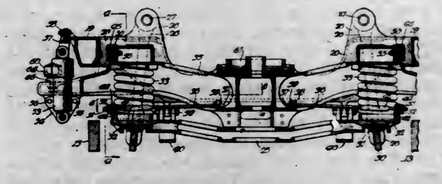
of rotation lying in a transverse plane in parallelism to the planes of said guideways, said control member engaging said flexible control element, a direction controlling device carried by said hammer motor above the guide guideways, and operative connections extending between the guide guideways, for connecting said control device to said rotary control member.

2,347,500

RAILWAY CAR TRUCK

Peter Parke, Chicago, Ill., assignor to The Pullman Company, Chicago, Ill., a corporation of Illinois

Application May 25, 1940, Serial No. 337,162
19 Claims. (Cl. 105—190)



10. A car truck including a truck frame, a bolster member mounted for movement in the truck frame, springs hung by swing hangers from the frame at opposite sides thereof in supporting relation to the bolster member and adapted to have lateral motion relative to the frame, a spring plank member continuous between springs at opposite sides of the truck maintaining said hangers in predetermined angular tie rod means connecting the members, and spaced flat rubber blocks disposed between the tie rod means and at least one of the members and adapted to be alternatively compressed in substantially the direction of stress in the tie rod means when the bolster member moves laterally with respect to the spring plank member.

2,347,501

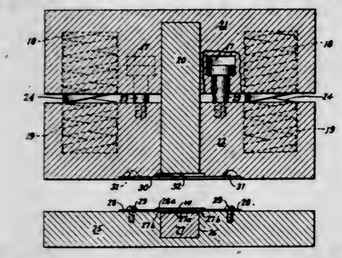
METHOD OF FORMING ELECTRODES

Ernest Penker, Flushing, N. Y., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York

Application November 6, 1942, Serial No. 464,939
3 Claims. (Cl. 29—155.5)

1. A method of forming an electrode for supporting a crystal or the like in the functioning of radio apparatus, which comprises forming a rectangular blank, immovably supporting said blank at its diagonally opposite corners, applying pressure to the surface of the blank in the area of its unsupported portion defined by said corners to displace the metal constituting said unsupported portion, in a shearing action, to a

position below the corners, and simultaneously restraining the metal from spreading laterally



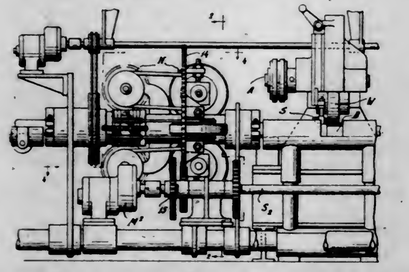
in its displacement under pressure to form diagonally opposite vertical abutments defining a depressed area therebetween.

2,347,502
TRAINING DEVICE
Julius M. Penyacska, Elmhurst, N. Y.
Application April 2, 1943, Serial No. 481,612
8 Claims. (Cl. 35—25)



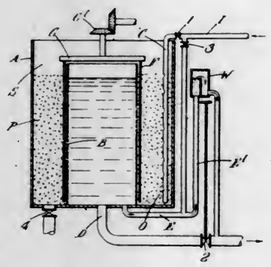
1. In a device for training a person in the use of gun sights, spaced vertically disposed panels arranged in horizontal alignment, a target movably mounted over a vertical face of one of the panels and including an apertured type bull's-eye, a marking sheet between one of the panels and the target, and actuating means connected to said target and mounted on the other panel and operable by a student learning the use of sights by moving the target relative to, and into alignment with, the sights from a position adjacent the last-named panel.

2,347,503
BAR-GRINDING APPARATUS
Stephen A. Platt, Nutley, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey
Application August 27, 1943, Serial No. 500,214
9 Claims. (Cl. 51—79)



1. Grinding apparatus for removing the surface of elongated bars of substantially square cross-sectional area, said apparatus comprising in combination a rotating grinding wheel sustained to be rotatable about a horizontal axis and to be movable vertically in both directions but normally weighted to move vertically downward, a guide shoe means secured to said grinding wheel and depending downwardly adjacent one side thereof, said shoe being provided with a bottom face having an angle of curvature approximating that of the said grinding wheel and a segment length greater than the width of said bar, the said bottom arcuate face being disposed in concentric but inwardly spaced relation to the arcuate face of the said grinding wheel, means to feed the bar axially with simultaneous axial rotation to the said grinding wheel with the bar axis substantially parallel to the axis of grinding wheel rotation at a horizontal level and in a vertical plane adapted to permit the guide shoe and the grinding wheel to make weighted contact with the upper surface of the axially moving and axially rotating bar with the guide shoe making prior contact therewith, and means to vary the cutting power of the said grinding wheel as the area of contact of the wheel with the upper surface of said bar varies thereby to maintain a substantially uniform depth of cut on the surface of said bar.

2,347,504
WASHING OF PAPER PULP AND THE LIKE
William Henry Porritt, Chilcompton, near Bath, England, assignor to Becker Partington & Company Limited, London, England, a British company
Application September 11, 1941, Serial No. 410,358
In Great Britain September 12, 1940
8 Claims. (Cl. 68—55)

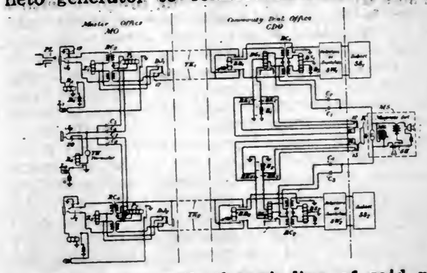


1. Pulp washing apparatus comprising in combination a stationary outer vessel, an inner screening vessel coaxially therewith, an innular space for the pulp charge between said vessels, rotary agitating means arranged in proximity to and circumferentially about said screening vessel, means for drawing off washing liquid from the space within said inner screening vessel and means for introducing washing liquid into said pulp charge from a plurality of juxtaposed points transversely to the pulp column subtsantially as set forth.

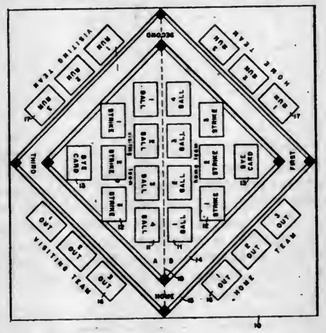
2,347,505
PHANTOM MAGNETO TELEPHONE SYSTEM
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 21, 1943, Serial No. 487,891
10 Claims. (Cl. 179—15)

3. In a telephone system, the combination of a telephone line, a relay connected to said line, a magneto generator, means for connecting said magneto generator to said line to energize the winding of said relay, a rectifying element, and

means responsive to the operation of said magneto generator to connect said rectifying element in series with the winding of said relay so that only unidirectional current may flow through said relay windings.

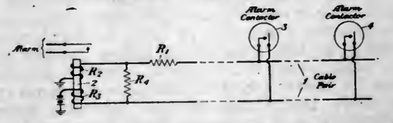


2,347,506
GAME
Raymond R. Riehle, Milford, Ohio
Application September 8, 1941, Serial No. 409,953
5 Claims. (Cl. 273—93)



1. In a baseball game, a game board divided into duplicate sets of contiguous playing regions for providing offensive and defensive areas, a pair of concentric baseball diamonds surrounding said contiguous playing regions, one of said pair of baseball diamonds being for offensive plays, the other diamond being for defensive plays, and a plurality of duplicate scoring stations disposed around the outer of said baseball diamonds, said playing stations, baseball diamonds and scoring stations adapted to receive playing cards during the progress of the game for simultaneously indicating the offensive and defensive conditions of play of the game.

2,347,507
ALARM CIRCUIT
Eric Albert Roundburg, Jamaica, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 1, 1942, Serial No. 425,288
2 Claims. (Cl. 177—311)



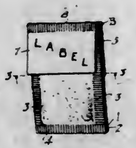
1. An alarm system comprising a pair of appreciable resistance lines having contactors bridged across the lines at distributed points, a source of potential and a relay winding in series with the pair of lines, a first resistance in series with the relay winding and lines and a second resistance in shunt with the relay winding, said shunting excluding both of said lines, the second resistance being of a value marginally over that required to operate the relay from said source.

2,347,508
PROCESS FOR DYEING VINYL COPOLYMER FIBERS
Edward W. Rugeley and Theophilus A. Feild, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application August 15, 1939, Serial No. 290,198
5 Claims. (Cl. 8—55)

3. Process of dyeing artificial fibers made from conjoint polymers of vinyl halides with vinyl esters of aliphatic acids, which comprises passing yarn made from said fibers, under stretching tension, continuously through an aqueous dye bath maintained at an elevated temperature within the range up to its boiling point, said dye bath containing a dyestuff, a dispersing agent, and a solvent for the vinyl resin fibers which is partially miscible with water, said solvent being present in a concentration not exceeding the saturation point of the water.

5. Process of dyeing fibers made from high molecular weight conjoint polymers of vinyl halides with vinyl esters of aliphatic acids, which comprises immersing in an aqueous dye bath fibers formed from such a conjoint polymer containing between about 70% and about 95% by weight of the halide in the polymer and having an average macromolecular weight of at least 15,000, while subjecting said fibers to the action of an at least partially water-miscible solvent for the conjoint polymer, said solvent being selected from the group consisting of mesityl oxide, methyl isobutyl ketone, the methyl ether of ethylene gylcol, the ethyl ether of ethylene glycol, isophorone, phorone, acetonyl acetone, fenchone, cyclohexanone, trimetryl cyclohexanone, and butyl acetate, said solvent being present in solution in said dye bath in a concentration not exceeding the saturation point of the water in the dye bath, whereby the surface of said fibers are softened sufficiently to permit absorption of dyestuff from the dye bath but are insufficiently softened to cause rupture of the fibers, or appreciable decrease in their tensile strengths.

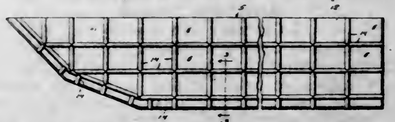
2,347,509
METHOD OF MAKING PACKAGES
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application February 25, 1942, Serial No. 432,238
2 Claims. (Cl. 93—3)



1. The steps in a method of making a package consisting in sealing together opposed layers of

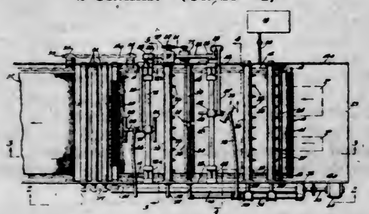
thin flexible material in zones certain of which extend along the longitudinal marginal portions of said layers to form a commodity receiving compartment between them having a mouth between two corresponding transverse marginal portions of said layers, and simultaneously sealing a cover to the exterior of one layer along said longitudinal marginal zones with an end portion of said cover extending beyond said transverse marginal portions of said layers.

2,347,510
SECTIONAL BOAT
Walter A. Sawyer, Cristobal, C. Z.
Application October 14, 1942, Serial No. 462,006
4 Claims. (Cl. 114—77)



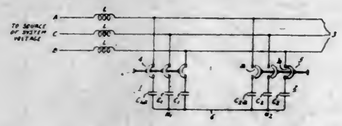
1. In a boat, a hull including a plurality of metallic plates, spaced tongues formed on the edges of said plates and the latter provided with slots aligning with the spaces between the tongues, said plates adapted to be brought together with the tongues interfitting, projections on the tongues fitting in the slots, and sealing means overlying the tongues and detachably connected to the plates.

2,347,511
APPARATUS FOR PREPARING PLATES FOR ETCHING
Leo Scarzello, Woodside, Long Island, Joseph Nowatius, Elmhurst, Long Island, and Martin Bulin, Jackson Heights, N. Y., assignors to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
Application December 27, 1941, Serial No. 424,616
2 Claims. (Cl. 15—4)



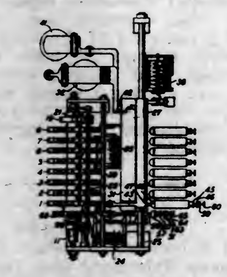
1. An apparatus for automatically removing superfluous resist from the surface of a plate, as a step in a process for preparing such plate for etching, including a conveyor adapted to receive the plate and transport it in a continuing movement through said apparatus, a pair of spray heads supported above said conveyor, in spaced relationship, having nozzles adapted to direct a liquid upon the surface of the plate, for effecting the removal of the superfluous resist, as the plate progresses through said apparatus, a device supported above said conveyor for reciprocation transversely thereof, said device including a brush adapted to wipingly contact with the surface of the plate, and means for delivering liquid to said brush to maintain it in a saturated condition during its reciprocatory movement, the liquid being shed by said brush to flush the plate surface in the path of wiping movement of the brush thereover, in the removal of the superfluous resist, a second brush fixedly supported from said apparatus disposed transversely of said conveyor, in rearwardly spaced relation to said reciprocating brush device, means for saturating said fixed brush with liquid to co-act with said fixed brush as the plate passes beneath said latter brush in contact therewith, means for connecting said spray heads, said reciprocating brush device and said fixed brush to a source of liquid supply, a spray head in rearwardly spaced relation to said fixed brush, an air discharge device supported rearwardly of said liquid-emitting spray head adapted to discharge air upon the surface of the cleansed plate for drying, and means for reciprocating said air discharge device transversely of said conveyor for vaporizing the moisture from said plate.

2,347,512
ELECTRIC CIRCUIT
Theodore W. Schroeder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 20, 1942, Serial No. 443,779
3 Claims. (Cl. 172—238)



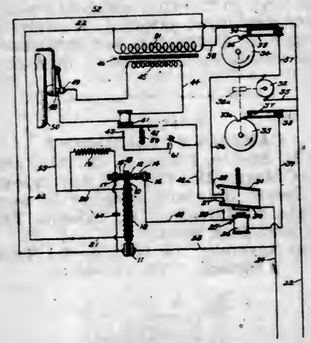
1. In combination, a polyphase alternating-current power circuit, a plurality of ungrounded neutral star-connected banks of capacitors, said banks being connected in parallel circuit relation with each other and in shunt circuit relation with said power circuit, a relatively low impedance interconnection between the neutrals of said banks, and switching means for disconnecting one of said banks from said circuit.

2,347,513
PULSE REGENERATOR
Judson O'D. Shepherd, Atlanta, Ga.
Application September 30, 1941, Serial No. 412,954
21 Claims. (Cl. 179—18)



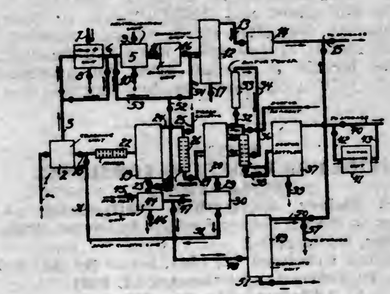
1. A device comprising a plurality of mechanically displaceable elements, each said element having a normal position, means responsive to an incoming train of pulses for displacing one of said elements a number of steps forward corresponding to the number of pulses in the said train, said means including a common stepping means for moving said displaceable elements forward from their said normal positions, means for stepping said elements back to normal and transmitting an outgoing pulse for each said step, said last means including a common stepping means for moving said displaceable elements backward to their normal positions, and automatic means for restoring said elements to their normal positions after a partial setting of said device in which less than the total of said plurality of displaceable elements have been moved from their normal positions in response to incoming trains of pulses.

2,347,514
CONTROL METHOD AND APPARATUS
John J. Shively and Harry R. Van Deventer, New York, N. Y., assignors, by mesne assignments, to Telephone Answering and Recording Corporation, New York, N. Y., a corporation of Delaware
Application January 17, 1941, Serial No. 374,808
15 Claims. (Cl. 175—320)



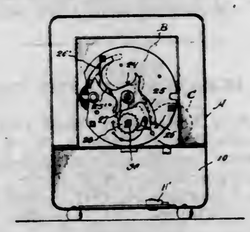
1. The method of operating a thermostatic device which includes first pre-heating the device to a desired temperature by means controlled by said device, secondly maintaining said device at said pre-heated temperature by the intermittent application of heat thereto under the control of said device, and thirdly, raising the temperature of said pre-heated device above said first temperature by the application of additional heat thereto.

2,347,515
REFINING MINERAL OILS
Albert J. Shmidl, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 11, 1940, Serial No. 329,014
6 Claims. (Cl. 196—32)



1. Process for the production of refined petroleum oil products of improved burning properties boiling in the kerosene, furnace oil, and light gas oil boiling ranges containing substantial quantities of emulsifying agents which comprises contacting the feed oil in a two-stage alkali metal hydroxide treating system in a manner in which the oil in the initial stage is contacted with the entire amount of the spent metal hydroxide solution removed from the secondary stage and in which the oil withdrawn from said initial stage is contacted solely with fresh alkali metal hydroxide solution in said secondary stage, removing the treated oil from said secondary stage substantially completely free of emulsifying agents and treating the same in a tertiary stage with a doctor solution to remove objectionable sulfur compounds therefrom.

2,347,516
CLOCK
Julius Silversteen, North Franklyn, Conn., assignor of one-half to Elsie Mayer, North Franklyn, Conn.
Application August 6, 1942, Serial No. 453,845
2 Claims. (Cl. 194—19)

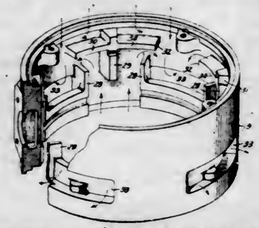


1. In a clock mechanism, a ratchet wheel carried by the winding shaft, a lever mounted on the minute shaft and having an offset extremity, a pawl projecting from the lever and engaging the ratchet wheel to normally hold the winding shaft against rotation in a winding direction, said lever being partially rotated on its shaft to a released position by a coin contacting said offset extremity thereof, means effectively maintaining said lever in its normal position, including a spring influenced pivoted lever engaging the said offset extremity of the first mentioned lever, an angularly disposed flange projecting from the spring influenced lever and adapted to be engaged by said coin to initially shift the lever to a released position just prior to the movement of the first mentioned lever by said coin, and means whereby the first mentioned lever is returned to its normal position after each operation by the rotation of said minute shaft.

2,347,517
DYNAMOELECTRIC MACHINE
Dean F. Smalley, East Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 1, 1942, Serial No. 449,214
5 Claims. (Cl. 171—252)

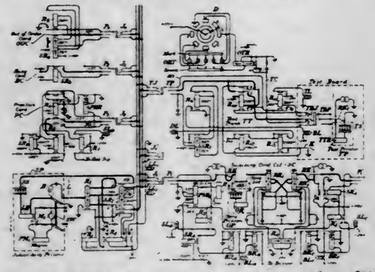
1. A dynamo-electric machine including a rotatable member having a vertically extending shaft and a stationary member having a core of magnetic material and a winding associated with said core, a supporting frame about said core, end shields having ventilating openings therein secured to said frame at both ends thereof, ventilating exhaust openings in said frame, and means including ventilating passage walls in said frame for providing downwardly extend-

ing ventilating passages and substantially separate upwardly extending ventilating passages between said frame and said stationary member core, said walls being constructed and arranged substantially to direct ventilating medium through said passages in intimate heat exchanging relationship with said core and to redirect



ventilating medium downwardly from said upwardly extending passages to the same exhaust openings through which ventilating medium from said downwardly extending passages is exhausted without substantial interference between ventilating medium from said upwardly and said downwardly extending ventilating passages.

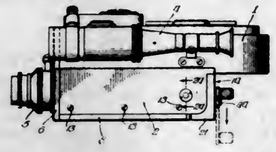
2,347,518
TESTING ARRANGEMENT FOR TELEGRAPH CIRCUITS
James Spencer Soderholm, West Orange, N. J., and Charles Breen, Mineola, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application November 21, 1942, Serial No. 466,414
12 Claims. (Cl. 178—69)



1. In a teletypewriter system, a plurality of subscribers' lines having telegraph printing and sending equipment associated therewith at the subscribers' stations, means at a central office to switch any one of said lines into communication with any other of said lines, a testing trunk to associate any of said lines with a test board position, means whereby said trunk may be associated with a given line without calling the test board attendant, and means whereby a source of test signals may be associated with said trunk and transmitted to the subscriber's station under the control of the subscriber's station.

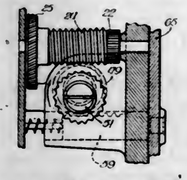
2,347,519
MOTION PICTURE CAMERA
Philmore F. Sperry, Chicago, Ill.; Helen B. Sperry, executrix of said Sperry, deceased, assignor, by mesne assignments, to Theodore H. Briskin, Philip F. Briskin, and Jack Briskin
Application October 22, 1941. Serial No. 416,056
17 Claims. (Cl. 88—17)

1. In a photographic apparatus, the combination with a casing providing a magazine chamber adapted to receive a film magazine having a normally closed shutter, said casing also providing a film advancing means including a claw member in said chamber for entering the magazine to move a film therein, of a film magazine carrier movable in said chamber between an outer position where a film magazine may be placed thereon and an inner position where the film



magazine is positioned to bring the film therein into contact with the claw member, and a shutter operating means on said carrier operable to open a shutter on the film magazine as the carrier approaches inner position, whereby to provide an opening to the film for said claw member as the magazine is moved to final operating position.

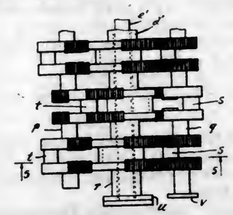
2,347,520
CAMERA ATTACHMENT
Philmore F. Sperry, Philip F. Briskin, and Jack Briskin, Chicago, Ill.; Helen B. Sperry, executrix of said Sperry, deceased, assignor, by mesne assignments, to Theodore H. Briskin, Philip F. Briskin, and Jack Briskin
Application November 24, 1941, Serial No. 420,222
5 Claims. (Cl. 74—405)



1. Means for removably supporting a fade-out device on a camera and for driving it from the operating mechanism of the camera, comprising in combination a rotatably mounted eccentric, a shaft rotatably mounted in said eccentric, driving means on said shaft operatively connected with a cooperating driving mechanism for rotating the shaft in one position of said eccentric and located out of operative engagement with said cooperating driving mechanism when the eccentric is rotated to a different position, manually movable means adapted by an operative stroke to rotate said eccentric into the position in which said driving means is operative for rotating said shaft, and yielding means normally opposing the operative stroke of said manually movable means and adapted when the manually movable means is release after an operative stroke to return the parts to their normal positions.

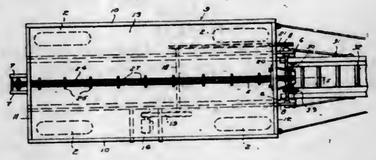
2,347,521
DEVICE FOR REDUCING TORSIONAL OSCILLATIONS
Jacques Steiger, Winterthur, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland
Application December 12, 1941, Serial No. 422,610
In Switzerland February 12, 1941
7 Claims. (Cl. 74—603)

1. In a multi-cylinder reciprocating engine, the improvement which comprises a crankshaft having a crank-pin and a cheek having a circular sector concentric with the axis of rotation of the crankshaft, gear teeth on the circular sector diametrically opposite the crank-pin, a second shaft spaced to one side of the crankshaft and rotatable on an axis parallel with the axis of rotation of the crankshaft, at least one recess in the sec-



ond shaft to provide clearance for the crank-pin of the crankshaft during rotation of said shafts, at least one circular sector on the second shaft having a gear circumferentially displaced from the recess, the gears of said sectors being similar and arranged to engage each other intermittently during the rotation of said shafts.

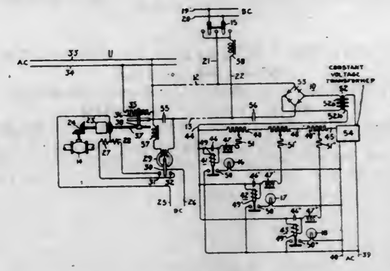
2,347,522
HARVEST WAGON
George R. Stinnett, New Canton, Ill., assignor of one-half to Robie Wallace, New Canton, Ill.
Application February 7, 1942, Serial No. 429,927
1 Claim. (Cl. 214—83)



A harvest wagon of the character described comprising a wheeled chassis including a pair of longitudinal side members, bars mounted transversely on said side members at spaced points, longitudinal bars mounted on the end portions of the first-named bars, sills rising from the longitudinal bars, comparatively low sills mounted at intermediate points on the first-named bars and paralleling the first-named sills, a body including a synclinal bottom mounted on the first and second-named sills, said bottom having a longitudinal slot in its lower portion, a chute on one end of the body communicating therewith, the side members of the chassis projecting beyond said one end of the body, an elevating conveyor hingedly mounted for vertical swinging adjustment on the projecting end portions of said side members for receiving material from the chute, and an endless conveyor operable in the body and the chute for removing material from said body on the elevating conveyor.

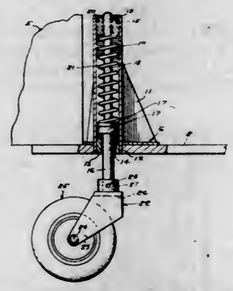
2,347,523
REMOTE CONTROL AND INDICATING SYSTEM
Alfred Suksdorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1940, Serial No. 363,032
3 Claims. (Cl. 177—311)

1. In a remote control system for controlling from a transmitting station the position of a device at a receiving station, the combination comprising a pair of conductors interconnecting said stations, means for reversibly connecting said conductors to a source of unidirectional voltage at the transmitting station, a relay connected to said conductors at the receiving station responsive to the polarity of the unidirectional voltage impressed on said conductors at the transmitting station, a reversible motor for progressively changing the position of said device, an energizing circuit for said motor including the contacts controlled by said relay arranged so that the direction of rotation of said motor is determined by the polarity of the voltage impressed on



said conductors, means independent of the position of said device for connecting said conductors at the receiving station to a source of alternating voltage, means for progressively altering the magnitude of the alternating voltage supplied to said conductors in accordance with the position of said device, and a plurality of relays connected at said transmitting station to be responsive to the alternating voltage across said conductors, said relays being set to respond to progressively different alternating voltages whereby said relays respond in sequence as the position of the control device progresses, and signal means associated with and controlled by each relay.

2,347,524
TRAILER FRONT END STABILIZER AND REST
Charles D. Swan, Trenton, Mich.
Application May 18, 1942, Serial No. 443,506
1 Claim. (Cl. 280—33.4)



A rest and stabilizer for the front end of a trailer having a draft tongue attachable to a tractor vehicle, said rest and stabilizer comprising a horizontal plate mounted to project from the front part of the trailer along said tongue, a vertical tubular casing rising from said plate and passing at its lower end through said plate, a tubular bushing fixed in the lower end of said casing, a tubular nut threaded in the interior of

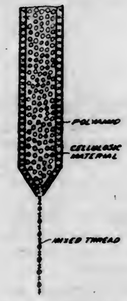
the upper part of said casing, a rotary plunger passing through said tubular bushing and having a collar to engage the upper end of the bushing, said plunger depending below said casing, a wheel fork fixed to the lower end of said plunger mounting ground engaging wheel means, an extension on said plunger rising above said collar and slidable through the tubular nut, a rotatable thrust washer on said plunger to engage the upper side of the collar, and a helical expanding spring circumposed on said extension between said thrust washer and said nut to resist upward movement of said plunger responsive to road inequalities.

2,347,525

MUTUAL PRECIPITATION OF POLYAMIDES AND CELLULOSE

Kurt Thinius, Eilenburg, Germany; vested in the Alien Property Custodian

Application August 24, 1940, Serial No. 354,117
In Germany August 6, 1939
5 Claims. (Cl. 18—54)



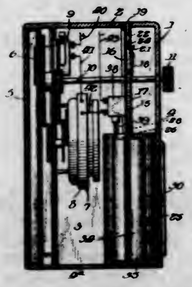
1. A process for the production of mixed structures, foils, films and filaments from polyamides and cellulosic material, which process comprises mixing a solution of a polyamide in mineral acid with an alkaline solution of the cellulosic material while shaping the two solutions to the desired form, whereby the polyamide and the cellulosic material are precipitated from their respective solutions in the form desired.

2,347,526

ELECTRIC METERING DEVICE

Leonard C. Truesdell, Kansas City, Mo.

Application July 9, 1943, Serial No. 493,981
3 Claims. (Cl. 194—1)



1. In combination with a coin operated metering device for electric currents, including a service current supply line, timing mechanism for controlling said current supply line, coin controlled time setting means for said timing mechanism, an enclosed coin receptacle for receiving coins from said time setting means, and switch means in said current supply line cooperatively movable by said coin receptacle to close said current supply line when the latter is in coin receiving relation with said coin control means, and adapted to cut off the current supply when said coin receptacle is removed from its normal coin receiving position.

2,347,527

CRACKING OF HYDROCARBONS

Byron M. Vanderbilt, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 27, 1940, Serial No. 372,007
3 Claims. (Cl. 260—680)

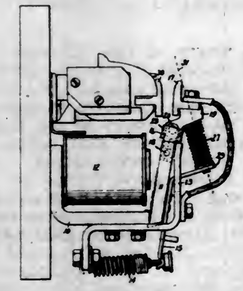
1. In a process for effecting pyrolysis of gaseous hydrocarbons in metallic apparatus, the effectiveness of which becomes reduced during the course of the operation, the steps which comprise interrupting the pyrolysis treatment when the effectiveness of such apparatus becomes thus reduced, removing carbonaceous deposits from the metal surfaces, thereafter treating said metal surfaces with an acidic substance having an ionization constant greater than 10^{-6}, thereafter treating said metal surfaces with hydrogen, and reemploying the apparatus for the pyrolysis of said gases.

2,347,528

SWITCH

Earnest F. Weiser, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application May 16, 1942, Serial No. 443,183
9 Claims. (Cl. 200—165)



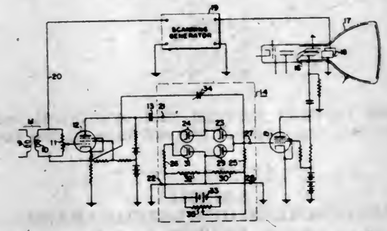
1. A switch comprising a pair of cooperating switch contacts, a support for each of said contacts, operating means for moving one of said supports between closed and open circuit positions, a link pivotally connected at one end to one of said supports, means limiting the angular movement of said link on said one support to a predetermined acute angle between two positions, a pivotal connection between one of said contacts and the other end of said link, cooperating stop means on said link and said one contact, spring means biasing said link and said one contact about their pivots to predetermined first angular positions with respect to each other and with respect to said one support, the line of force of said spring passing outside of the point of contact between said contacts so that upon engagement of said contacts and continued movement of said operating means in a closing direction said spring applies a reversed bias to said link and moves said link on its support to the other of said positions, and when said operating means comes to rest, said link moves on its support toward said first angular position thereby to provide for a final energy dissipating pivotal movement between said one contact and said link without separation of said contacts.

2,347,529

RECTIFIER SYSTEM

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application April 5, 1941, Serial No. 386,996
12 Claims. (Cl. 175—363)



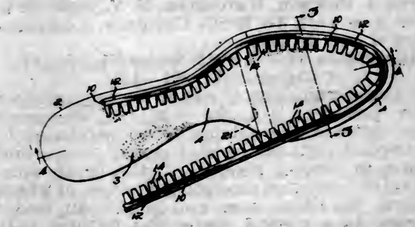
3. A rectifier system for deriving half-cycles accurately corresponding to half-cycles of an alternating voltage applied thereto comprising, an input circuit adapted to have applied thereto said alternating voltage, a pair of rectifier devices coupled to said input circuit individually to conduct half-cycles of applied voltage of opposite polarities and having individual resistive load networks, the sums of the resistances of said devices and their respective load networks being equal in the respective directions of conductivity of said devices, whereby said devices and said load networks present to said input circuit substantially uniform resistance throughout each complete cycle of said alternating voltage, each of said devices having undesired capacitive admittance in a direction opposite to that of its normal conductivity, an output circuit coupled to the load network of only one of said rectifier devices for deriving therefrom only complete half-cycles of one polarity of said alternating voltage, and means connected in circuit with said one load network for reducing the effect in said output circuit of the undesired capacitive admittance of said one rectifier device during the half-cycles of the other polarity.

2,347,530

WELT INSOLE

Wallace C. Wright, Brookfield, N. H.

Application April 8, 1942, Serial No. 438,095
3 Claims. (Cl. 36—22)



3. A welt insole of the kind described, comprising an insole blank of flexible upper leather, with its finished grain surface constituting a foot-contacting portion of the insole, in combination with a sewing rib of synthetic plastic material adhesively secured to the marginal portion of the unfinished surface of the blank, said material having the toughness, flexibility, and characteristics of Koroseal, Vinylite, or the like.

2,347,531

BLACK-OUT FLASHLIGHT ATTACHMENT

Michel N. Yardeny, New York, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey

Application March 11, 1942, Serial No. 434,199
3 Claims. (Cl. 200—60)



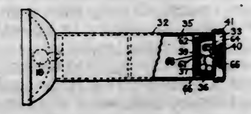
1. A switch comprising a container having opposite walls comprising portions made of metal insulated from each other; a metal pin extending inwardly from one of the walls, a metal pendulum for rotation in a plane transversed to the pin supported on the pin; and an enlargement at the end of the pin retaining the pendulum, the pendulum being adapted to engage the opposite wall when the container is inclined in a corresponding direction.

2,347,532

FLASHLIGHT

Michel N. Yardeny, New York, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey

Application June 20, 1942, Serial No. 447,792
3 Claims. (Cl. 200—60)



1. A flashlight attachment comprising a container adapted to be placed in a flashlight lamp circuit and formed of an upper and a lower cup-shaped portions made of a plastic material frictionally engaging each other; a ring-shaped stationary contact member supported in one of the cup-shaped members; a central contact plug extending from the contact member to the outside; a pin centrally supported in the other cup-shaped member extending to the outside; and a movable contact member rotatively supported on the pin in the container adapted to engage the stationary contact member when the front end of the flashlight is turned downward, the plug and the pin extension contacting metallic elements of the lamp circuit.

2,347,533

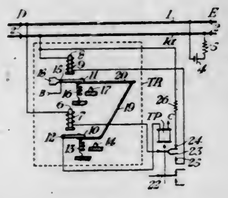
RAILWAY TRACK CIRCUIT APPARATUS

Norman F. Agnew, Penn Township, Allegheny County, and Paul N. Martin, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 31, 1941, Serial No. 404,823
5 Claims. (Cl. 175—320)

2. In combination with a magnetizable core provided with a winding and an armature pivoted

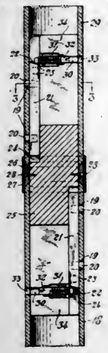
for swinging movement toward and away from said core, means cooperating with said armature for causing it to assume a position dependent upon the energization of said winding, a second magnetizable core provided with a second winding and a second armature pivoted for swinging movement toward and away from said second core, means cooperating with said second armature for causing it to assume a position dependent upon the energization of said second winding, the inertia of said second armature being relatively high with respect to the inertia of said first armature, a first member carried by said first armature and normally engaging a second member secured to said second armature to position the said second armature in accordance with the energization of said first winding, a relay provided with an energizing circuit completed when said first and second members are in engagement, circuit means controlled by a front contact of said relay for energizing said first winding but not said second winding, for causing corresponding movements of both said armatures without



change in their relative positions upon slow changes in energization of said first winding and causing a movement of said first armature relative to said second armature to effect separation of said first and second members upon a rapid decrease in energization of said first winding, and circuit means controlled by a back contact of said relay for energizing both said windings in series, whereby to cause both windings to be effective to operate their respective armatures to obtain corresponding movements of both armatures without change in their relative positions upon slow changes in energization of said windings and effective upon a rapid increase in energization to cause said first armature to move relative to said second armature to a position wherein said first and second members are in engagement and complete the circuit means over which said relay is energized.

2,347,534
CYLINDRICAL COUPLING FOR HOLLOW TUBING
George W. Anderson, Port Washington, N. Y., assignor to United States Plywood Corporation, New York, N. Y., a corporation of New York
Application November 24, 1942, Serial No. 466,731
11 Claims. (Cl. 287—127)

1. In combination with a coupling for uniting two hollow tube sections longitudinally, said coupling comprising a cylindrical body having approximately at the center thereof a band of larger diameter than the cylindrical body, for receiving the ends of the hollow tube sections in abutting relation within such band, said cylindrical body having keyways cut therein and extending from each end of the cylindrical body toward its center, keys secured to the interior surfaces of the hollow tube sections to be joined together, and extending into the said keyways and means ex-



tending laterally through said cylindrical body for joining the hollow tube sections to the coupling.

2,347,535
MANUFACTURE OF GLAZED CERAMIC BODIES
George J. Bair, Pittsburgh, Pa., assignor to Norbert S. Garbisch
Original application November 29, 1938, Serial No. 242,944. Divided and this application June 15, 1940, Serial No. 340,753
6 Claims. (Cl. 49—79)

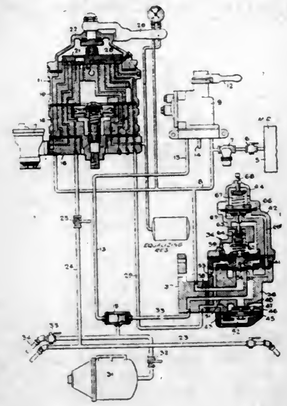


5. A process of forming a mixture of finely divided silica and glass resulting from the grinding and polishing of glass with waste sand into glazed ceramic bodies, said process comprising heating the material to the sintering point of the glass therein in small portions corresponding to the finished bodies, pressing the portions successively in order to compact them and shape them into desired form and to effect coherence into hard, strong, dense masses, passing each body as it is received from the pressing operation through a heating kiln, sprinkling pulverized glazing material upon the bodies as they are received from the kiln, and while sufficiently hot to fuse down the glazing material.

2,347,536
AIR BRAKE
Wayne A. Baldwin, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 9, 1943, Serial No. 490,217
6 Claims. (Cl. 303—13)

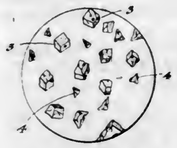
1. The combination of means for supplying air under pressure; a brake pipe; an engineer's brake valve of the automatic type arranged to be supplied with air by said supply means and serving to control pressure in the brake pipe, said valve having an emergency position in which it vents the brake pipe, and admits air under pressure to a control connection forming part of the valve; means for bleeding said control connection at a rate less than the rate of supply

thereto in emergency position; a brake cylinder; and relay means operating in response to the development of pressure in the control connec-



tion to admit air under pressure from said supplying means to the brake cylinder, and in response to dissipation of pressure in the control connection to vent the brake cylinder.

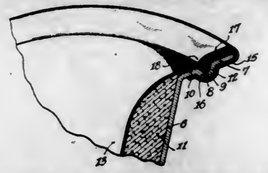
2,347,537
ABRASIVE AND METHOD OF MAKING SAME
Raymond C. Benner and Frederick A. Upper, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Original application June 12, 1941, Serial No. 397,776. Divided and this application July 29, 1942, Serial No. 452,730
6 Claims. (Cl. 51—309)



1. The process of making an abrasive polishing material which comprises forming a fusion of alumina, atomizing the molten alumina of said fusion, quenching the atomized alumina to form separate shot-like alpha alumina bubbles, and, without further treatment which substantially changes the chemical composition of the bubbles, crushing the thus formed bubbles to form a mass of particles consisting predominantly of separate rhombohedral crystals and pyramidal fragments thereof.

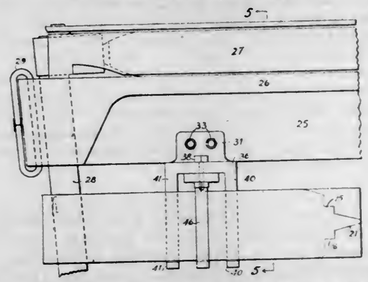
2,347,538
SEAT AND METHOD OF MAKING THE SAME
Joseph E. Bloomberg, Milwaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 6, 1940, Serial No. 328,176
5 Claims. (Cl. 155—184)

1. In a seat, the combination of a dished metal seat body having a flanged edge portion provided with a groove coextensive therewith, a fabric anchor strip cemented to the top surface of said flanged portion over an area including said groove, cushioning material secured to said body, a compressible member mounted in said groove, a covering of flexible material adhesively secured to said cushioning material and to said anchor strip, and metallic binding means for firmly



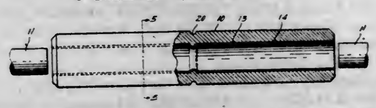
clamping said covering between it and the grooved edge portion of said body, said binding means having a downwardly inclined edge portion engaging said covering above said compressible member.

2,347,539
CHECKSTRAP FOR LOOMS
John R. Brandon, Cramerton, N. C.
Application October 8, 1943, Serial No. 505,518
1 Claim. (Cl. 139—161)



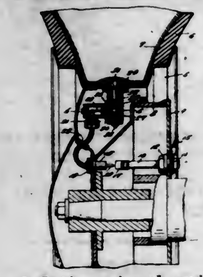
A check strap for looms having inner and outer layers formed from one continuous piece of material, the piece of material having an opening disposed substantially one-half the distance between one end of the material and its central portion and having a restricted portion substantially one-half the distance between the other end of the material and its central portion so that the portion of the material having the restricted portion can be led through the opening until the restricted portion rests in the opening to form the inner layer of the check strap, the extreme end portions having an opening and a restricted portion so that the last-named restricted portion can be inserted through the last-named opening to form the outer layer of the check strap.

2,347,540
WIRE CONNECTING DEVICE
Leroy H. Burns, Cleveland, Ohio, assignor to The National Telephone Supply Company, a corporation of Ohio
Application September 7, 1942, Serial No. 457,607
6 Claims. (Cl. 16—108)



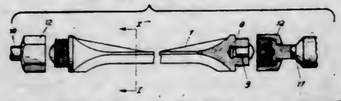
1. A wire connecting sleeve comprising a tubular body formed of malleable metal whose inner wall carries a relatively thin layer of wire engaging material composed of a mixture of metal and glass.

2,347,541
TIRE PRESSURE INDICATOR
Lee Critser, Denver, and Howard G. Mencimer, Fort Lupton, Colo., assignors to Automatic Air Gauge, Inc., Keenesburg, Colo., a corporation
Application December 23, 1941, Serial No. 424,176
3 Claims. (Cl. 200—58)



1. A tire deflation signal switch for vehicle wheels comprising a stationary flexible brush carried by a stationary part of the vehicle, a reciprocable contact carried by the wheel and projectible into the path of the brush, a spring-actuated plunger contacting the inner tube of the tire and normally held inactive upon a predetermined inflation of the tire, a lever actuated by a movement of the plunger, a flexible reciprocable member operatively connecting the lever to the contact, and an adjustable stop for limiting movement of the plunger in response to pressure in the tire and also limiting separating movement of the contact.

2,347,542
GIRDER FOR AIRCRAFT STRUCTURE
Kurt Cyron and Erich Wessel, Dessau, Germany; vested in the Alien Property Custodian
Application May 16, 1939, Serial No. 273,879
In Germany May 17, 1938
1 Claim. (Cl. 244—117)

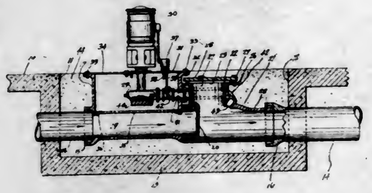


An airplane girder comprising a plurality of longitudinal elements, one of which being a middle element, said middle element comprising a middle portion of a channel-shaped cross-section and heads at its ends so shaped as to receive therewith an end of another one of said elements to be attached thereto, said heads being made in one piece with said middle portion and having a substantially circular cross-section whose periphery projects outwardly beyond the contour of the cross-section of the middle portion, the channel-shaped cross-section of the middle portion gradually passing over into the cross-section of said heads, and the center of gravity of the channel-shaped cross-section lying substantially on the axes of said heads.

2,347,543
ALLOY FOR PERMANENT MAGNETS
Walter Dannöhl and Hans Neumann, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian
No Drawing. Application October 27, 1937, Serial No. 171,214. In Germany January 7, 1937
5 Claims. (Cl. 175—21)

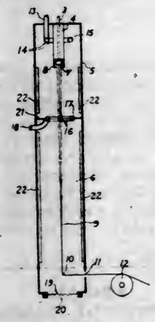
3. A permanent magnet formed of an alloy comprising 1 to 30% iron, 10 to 45% nickel, 5 to 70% cobalt, and a balance of 20 to 80% consisting substantially of copper.

2,347,544
FLOOD CONTROL MEANS
Harry J. De Costa and John Obermaier, Chicago, Ill.
Application October 25, 1943, Serial No. 507,562
6 Claims. (Cl. 182—1)



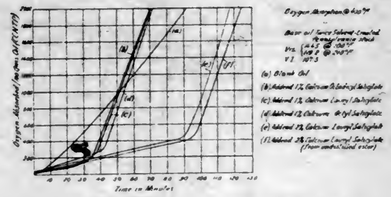
1. A flood control means in which the means is confined in a well provided in the floor of a structure through which sewage drain conduits pass, comprising a sewage trough having communication with said conduits and comprising an upper and a lower compartment, a drainage section having communication with the lower compartment and with said sewage drain conduits, pump means arranged in the upper compartment of the sewage trough, a discharge manifold having communication with said pump means and said section, and a check valve in said section and operative to obstruct the flow of sewage from said section into said lower compartment but free to permit flow of said sewage from said lower compartment into said section.

2,347,545
PRODUCTION OF ARTIFICIAL FILAMENTS, FILMS, AND OTHER ARTICLES FROM ORGANIC POLYMERIZATION PRODUCTS
Henry Dreyfus, London, and Robert Wighton Moncrieff and Charles William Sammons, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 11, 1941, Serial No. 401,992
In Great Britain May 31, 1940
1 Claim. (Cl. 260—78)



A composition for use in the production of artificial filaments, yarns, films and other shaped or molded articles by shaping or molding the same in a fused condition, which consists of approximately 72% of a filament- or film-forming polyamide formed by condensing hexamethylene diamine with adipic acid and 28% of formic acid, said composition being solid at ordinary temperature and melting at a temperature below the melting point of said polyamide.

2,347,546
LUBRICATING OIL COMPOSITION
Willard L. Finley, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application December 7, 1940, Serial No. 368,992
6 Claims. (Cl. 252—53)

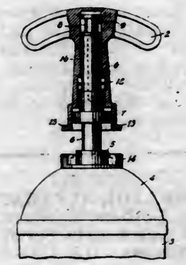


1. A liquid lubricating oil composition comprising a petroleum lubricating oil and the calcium salt of an alkyl ester of salicylic acid.

2,347,547
LUBRICATING OIL COMPOSITION
Willard L. Finley, Edgewood Arsenal, Md., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 15, 1941, Serial No. 407,002
5 Claims. (Cl. 252—53)

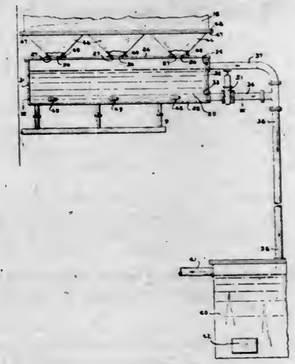
1. A liquid lubricating oil composition comprising a petroleum lubricating oil and a minor proportion of a calcium salt of an iso-alkyl ester of salicylic acid.

2,347,548
FIRE EXTINGUISHER
John Edward Fitzsimons, Westfield, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application April 7, 1942, Serial No. 437,957
2 Claims. (Cl. 299—98)



1. In a pump-type hand-operated fire-extinguisher utilizing a halogenated hydrocarbon liquid as a fire-extinguishing medium, the combination of a piston-operating member and a handle slidingly secured thereto and having a hub provided with an axial cavity into which the end of said piston-operating member extends, the relative size of said cavity and piston-operating member being such that within said handle there is an annular space around said piston-operating member, and the hub of said handle being provided with ventilating openings communicating with said annular space.

2,347,549
MATERIAL-HANDLING APPARATUS
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 10, 1941, Serial No. 422,413
2 Claims. (Cl. 302—15)

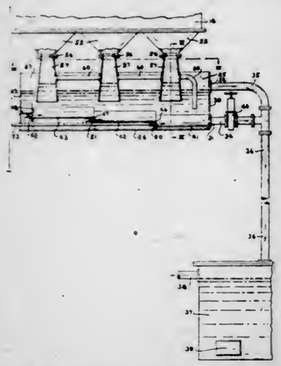


1. Material-handling apparatus comprising a hopper for reception of dry material in a finely-divided state; a mixing tank beneath said hopper and comprising a top wall having an inlet opening therein providing for flow of dry material from the hopper to the tank, a bottom wall and side walls, and said tank having a discharge opening in the lower portion thereof and a second discharge opening in the upper portion thereof spaced below the top wall; a main discharge conduit having a pair of branches at its upper end communicating with said discharge openings; valve means controlling the branch communicating with the first discharge opening; means for normally maintaining a body of water within the tank with its upper level maintained by overflow of water through the second discharge opening and including a plurality of water jets disposed within the tank and adapted to direct a stream of water under pressure against the material therein so as to agitate and maintain fluent the mixture and to move such mixture through the first discharge opening when the valve opens the conduit branch therefrom.

2,347,550
MATERIAL-HANDLING APPARATUS
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 10, 1941, Serial No. 422,414
3 Claims. (Cl. 302—15)

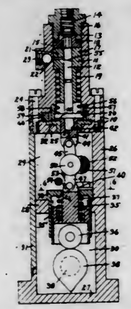
1. Material-handling apparatus comprising an enclosure for reception of dry material in a finely-divided state; a mixing tank below said enclosure, said tank having a stepped bottom and a discharge opening through a side wall opposed to the risers of the steps; means providing a supply of water to the tank and including a plurality of nozzles arranged to direct jets of water over the steps from the rear to the front thereof in the general direction of the discharge opening; and means providing for gravitational discharge of dry material from the enclosure to the tank, said means comprising a plurality of tubular members

disposed with their upper ends in communication with corresponding discharge openings in the bot-



tom of the enclosure and with their lower ends overlying the plurality of steps in spaced relation thereto.

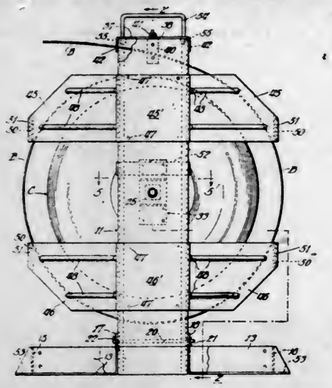
2,347,551
FUEL PUMP
Louis O. French, Milwaukee, Wis.
Application August 8, 1942, Serial No. 454,095
7 Claims. (Cl. 103—37)



1. In a fuel pump having a barrel having an inlet port, a pump plunger reciprocating in said barrel and rotatable relative to said barrel, and a spring for returning said plunger, the combination of an engine controlled reciprocatory actuator, a variable stroke drive connection between said actuator and said plunger to allow said plunger to be returned by said spring before and independently of said actuator, said plunger having an inclined control edge shiftable relative to said inlet port to control the beginning of fuel injection, and means for rotating said plunger.

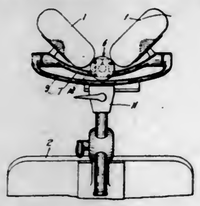
2,347,552
BAND REEL
John M. Gerrard, Chicago, Ill.
Application October 1, 1942, Serial No. 460,335
2 Claims. (Cl. 242—105)

1. A band coil reel comprising a pair of coil supporting members one arranged for movement toward and away from the other and adapted for pivotally carrying a band coil, and cooperative upper and lower pairs of brake elements carried by said supporting members and extending beyond the circumference of said band coil, said brake elements being oppositely related with respect to the supporting members, respectively,



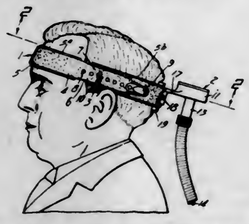
and each cooperative pair having inturned wings at their ends that overlap each other for coaction with the band to check the unraveling of the same during use.

2,347,553
METHOD OF AND APPARATUS FOR PERFORMING DENTAL OPERATIONS
John L. Gothers, Hartford, Conn.
Application January 10, 1939, Serial No. 250,191
16 Claims. (Cl. 128—33)



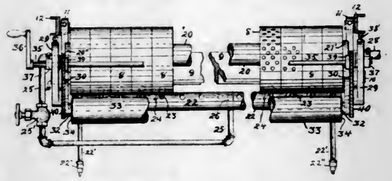
1. Surgical apparatus comprising spaced head supports, and vibrator means including a vibrator and means operated thereby for vibrating said head supports and thereby applying high frequency percussive vibrations directly to the occipital area of the skull while the latter is supported on said supports.

2,347,554
VIBRATOR APPARATUS
John L. Gothers, Hartford, Conn.
Application July 8, 1940, Serial No. 344,397
3 Claims. (Cl. 128—36)



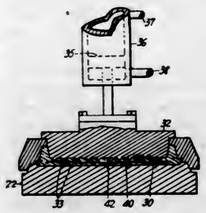
1. In a vibrator device, a percussive mechanism, a flexible band carrying said percussive mechanism intermediate its ends and on the outer face thereof, an intermediate vibrator member on said band on the inner face thereof and opposite said percussive mechanism and vibrated by the latter, means for connecting the ends of said band to vary the pressure exerted by said intermediate vibrator member, and cushioning means carried on the inner face of said band for preventing transmission to the patient's body of percussion through the remainder of said band and terminated adjacent to but spaced from said intermediate vibrator member for producing areas of increased flexibility relative to the remainder of said band adjacent said vibrator member and for forming, in effect, an independently vibrated diaphragm carrying said vibrator member and mechanism and vibrated by the latter.

2,347,555
FIBROUS SHEET CONDITIONING MACHINE
Robert H. Greene, Marion, Ind.
Application June 15, 1942, Serial No. 447,061
12 Claims. (Cl. 91—55)



1. In apparatus for conditioning sheet fibrous stock, a series of like steam applicator units mounted to form a bank, each unit having an arcuate wall the mid-portion of which has made therein numerous outlets, and provided with a receiving chamber and an exit chamber, a radiator extending through said units between said chambers and provided with a steam supply means, a distributing pipe located exteriorly of said units having a throttle-valve controlled feed-pipe therefor connected with the radiator and provided with individual nipple connections with the receiving chambers of said units, and a guide roller having adjustable supporting mechanism disposed in juxtaposition with said bank.

2,347,556
BUILDING BLOCK AND METHOD OF MAKING IT
Lawrence O. Griffith, Port Allegany, Pa., assignor to Pittsburgh-Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Application June 29, 1939, Serial No. 281,845
3 Claims. (Cl. 49—81)



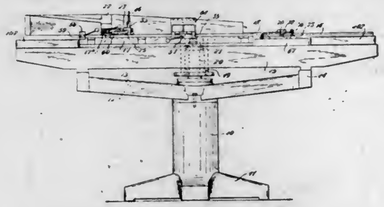
1. In the manufacture of glass cup sections adapted to be fused together in rim to rim relation in the formation of a hollow glass block;

the method steps which comprise molding under pressure a body of molten glass into cup shape with inner recesses pressed partially through the bottom wall of the cup-shaped body as it is formed and at the same time forcing a series of wires to the bottoms of said recesses, and subsequently pressing the glass still in its molten state upon the portions of the bottom wall between the recesses to fill the latter and thereby completely embedding the wires in said bottom wall.

2,347,557
PURIFICATION OF PIG IRON
Johannes Haag, Neunkirchen, Germany; vested in the Alien Property Custodian
No Drawing. Application July 22, 1939, Serial No. 285,858. In Germany January 30, 1939
1 Claim. (Cl. 75—56)

A method for reducing the chromium contents of pig iron containing at least .1% chromium comprising adding to the molten metal at least one of the substances selected from the group consisting of iron oxide and manganese oxide, subjecting said molten metal to a one-stage carbon and chromium oxidizing treatment by the said oxide, adding during this oxidizing stage metallic manganese and reducing the chromium content of the metal to less than .06%.

2,347,558
DRAWING MACHINE OR LAYOUT TABLE
Oscar C. Hedin, Cleveland Heights, Ohio, assignor to The Weldon Tool Company, Cleveland, Ohio, a corporation of Ohio
Application September 21, 1942, Serial No. 459,102
28 Claims. (Cl. 33—26)

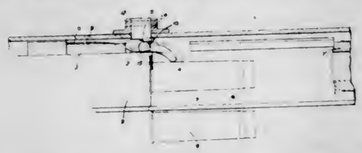


1. A drawing machine or lay-out table comprising a base, a drawing table supported on said base, a carriage movable on said base over said table, said carriage having an arm having a scale thereon, a sighting slide guided on said arm and overlying said scale and carrying a line-generating medium, a stationary scale supported by the frame and having a sighting slide directly thereover and guided therealong by means on said frame, a part of said carriage being adapted to abut said last mentioned sighting slide, and each slide having means to clamp it at any desired position on its scale.

2,347,559
AUTOMATIC GUN
Percy Reuben Higson, Sidcup, England, assignor to Vickers-Armstrongs Limited, London, England, a British company
Application June 18, 1942, Serial No. 447,572
In Great Britain March 3, 1941
2 Claims. (Cl. 89—3)

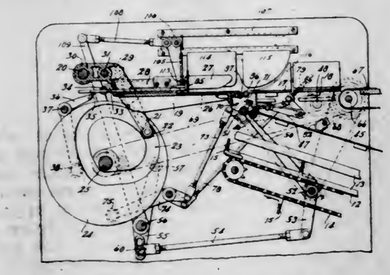
1. In an automatic gun of the long recoil operated type wherein the barrel and breech block

move together rearwardly to the full extent during recoil and the breech block is left momentarily in its recoiled position whilst the barrel is moving forwardly to its initial position, the barrel being thus stripped off the empty cartridge case which is left in position on the face of the breech block, the breech block after ejection of the empty cartridge case moving forwardly to its initial position and at the same time feeding a fresh round into the chamber, a lever type ejector pivotally mounted on an extension of the gun barrel and including an arm for engaging the side of the empty cartridge case on the face of



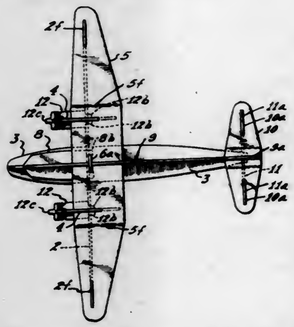
the breech block as a result of pivotal movement of said lever, a cam mounted upon the gun casing in a position in which it will be engaged by said lever during the return movement of the barrel after recoil and thereby cause said lever to pivot and its associated arm to engage and eject the empty case, said cam being pivotally mounted on the gun casing and so shaped that it will turn about its pivotal point as a result of engagement of the lever therewith during recoil movement of the barrel and breech block and thus permit the lever to pass the cam without operating the latter during recoil.

2,347,560
WEB FEED FOR WRAPPING MACHINES
William Hoppe, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application August 10, 1942, Serial No. 454,275
5 Claims. (Cl. 93—2)



1. A wrapping machine having spaced article infeed and delivery stations, a constantly driven web-feeding roll located between the stations, means for directing a web over said roll, a carrier movable between the stations to receive an article and the leading end of the web at the infeed station and to partially enfold the article in said leading end during its movement to the delivery station, a second rotatable roll normally positioned between the first roll and the carrier to cause bending of the web around the first roll, means for moving the second roll towards the infeed station when the carrier is adjacent the delivery station to draw out a length of web between the article and the first roll, and means for severing said length of web.

2,347,561
SILHOUETTE MODEL
Donald K. Howard, Cincinnati, George W. Benckenstein, Jr., Deer Park, and Harry L. Porter, Cincinnati, Ohio, assignors to Burton-Rodgers, Inc., a corporation of Ohio
Application July 2 1942, Serial No. 449,442
15 Claims. (Cl. 35—1)



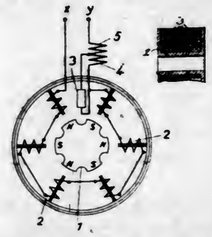
1. A cut-out sheet comprising a flat paper board having die cut panels substantially completely severed therefrom, said panels having slots for intermeshing purposes and of an outline to make up a three dimensional figure when removed and intermeshed with each other, the lines of severance thereof having been formed in said board prior to impregnating and the board then impregnated with a hardening substance.

2,347,562
HIGH MOLECULAR WEIGHT POLYHYDRIC ALCOHOL
William B. Johnston, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 31, 1940, Serial No. 338,282
12 Claims. (Cl. 260—617)

1. A process for the production of a high molecular weight polyhydric alcohol from the natural fatty oils and substances derived therefrom which comprises polymerizing at elevated temperature a substance selected from the group consisting of polyene fatty acids and their monohydric alcohol esters and hydrogenating the polymer at a temperature at least about 200° C. to the corresponding alcohol in the presence of a hydrogenolysis catalyst selected from the group consisting of copper chromite and zinc chromite.

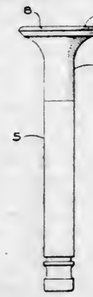
2,347,563
DEVICE FOR COMPENSATING THE TEMPERATURE OF SYSTEMS FOR DISTANT MEASUREMENT OF THE NUMBER OF REVOLUTIONS
Arnold Keller, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Application October 23, 1940, Serial No. 362,402
In Germany September 15, 1939
1 Claim. (Cl. 171—229)

In an electrical generating and transmitting system having means for compensating for temperature variations, a dynamoelectric machine having a magnetic circuit of magnetic material and tape insulated conductive windings, a transmission circuit in series with said windings, two resistances in series with said circuit and windings and in parallel with one another, one of said resistances having a high negative tempera-



ture coefficient and being located within the insulating taping of the windings and the other resistance having a low temperature coefficient.

2,347,564
INSPECTION METHOD FOR COMPOSITE ARTICLES
Walter T. Koestering, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 14, 1942, Serial No. 468,951
9 Claims. (Cl. 148—7)

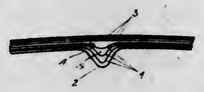


1. The process of color etching a composite metal article composed of at least two contiguous metals having surface portions normally visually indistinguishable one from the other, one of said metals being a ferrous alloy and subject to discoloration under the action of a heated non-acidic solution consisting of sodium nitrate and potassium nitrate, and another of said metals being non-ferrous and non-oxidizable by said solution, which comprises: subjecting the surface portions of said article at said normally visually indistinguishable surface portions to the action of a heated non-acidic oxidizing solution consisting of sodium nitrate and potassium nitrate at a temperature of 500° to 600° F., whereby the surface metal comprising the ferrous portion less resistant to oxidization is color oxidized and thereby rendered visually distinguishable from the substantially greater oxidization resistant surface of said non-ferrous metal.

2,347,565
PROCESS OF SAPONIFICATION
Vaman R. Kokatnur, Beechhurst, N. Y., assignor to Autoxygen, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 27, 1940, Serial No. 331,943
4 Claims. (Cl. 167—81)

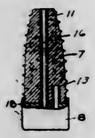
1. In the saponification of a fat containing a fat soluble vitamin, with preservation of the vitamin, the method which comprises forming a mixture containing the fat, a substantially anhydrous alkali metal hydroxide, and a liquid that is a solvent for the fat and vitamin of the fat but a non-solvent for the said hydroxide and for anhydrous alkali metal soaps, so that the alkali metal hydroxide originally used and the soaps as formed remain in undissolved condition, warming the mixture to a temperature not substantially above 100° C. until the fat is saponified, and separating the thus formed undissolved soap from the remaining solution, the separating of the undissolved soap from the remaining solution being effected mechanically without change of state of any component of the mixture of soap and solution.

2,347,566
LAMINATED BODY
Erwin Komenda, Stuttgart-Korntal, Germany; vested in the Alien Property Custodian
Application May 13, 1939, Serial No. 273,397
In Germany May 14, 1938
2 Claims. (Cl. 154—45.9)



1. A laminated structure composed of a plurality of sheets of flexible material and a plurality of layers of adhesive material interposed between adjacent sheets, a rib being protruded from one surface of said structure transversely thereof, and formed by non-parallel undulations of certain of said sheets, forming spaces between the portions of the sheets in the rib, the spaces being filled with the adhesive material.

2,347,567
DENTAL IMPLANT
Edward J. Kresse, Denver, Colo.
Application March 11, 1943, Serial No. 478,823
4 Claims. (Cl. 32—12)

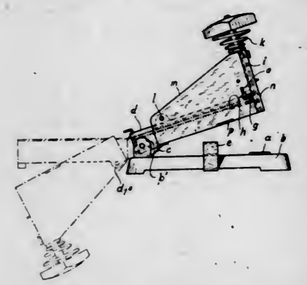


1. A material for use in making surgical implants comprising a thermoplastic of the methyl methacrylate type having incorporated therein a solid water soluble chemical having germicidal properties, the chemical being present in sufficient quantity to produce a porous structure after the germicide has been dissolved and removed by osmotic action.

2,347,568
STAPLING MACHINE
Josef Kunert, Nixdorf, Sudetenland, Germany; vested in the Alien Property Custodian
Application August 7, 1940, Serial No. 351,747
In Germany July 11, 1939
1 Claim. (Cl. 1—3)

In a paper fastener of the type described, the combination of a base having an anvil at one end and a pair of upstanding ears at the other end; a magazine having one end pivotally

mounted on the base ears, and having a pair of upstanding ears adjacent said pivoted end, and spaced forwardly of said first mentioned ears;



and a cover for said magazine having one end pivotally mounted on the magazine ears and provided at its other end with means for driving staples adapted to co-act with the anvil.

2,347,569

WINCH PROVIDED WITH AN AUTOMATIC RELEASE AT THE END OF THE LIFTING OPERATION

Roland Laraque, Paris, France; vested in the Alien Property Custodian

Application October 17, 1939, Serial No. 299,877
In Luxemburg October 28, 1938
4 Claims. (Cl. 254—173)

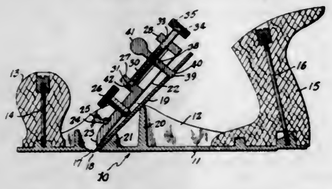
4. In a winch, the combination of a drum; a gear for actuating said drum; driving means for said gear; a clutch for said driving means comprising co-acting members, one of which is slidably mounted and provided with a stem; a spring associated with said stem and adapted to move said slidable clutch member into disengaged position; a casing; a cylinder slidably mounted in said casing; manual means for sliding said cylinder; a bolt slidably mounted in said cylinder; a latch reciprocably mounted on said cylinder for detachably connecting said bolt with said cylinder; connecting means between said bolt and said stem adapted to move said slidable clutch member into engaged position, and to compress said spring when said bolt is connected with said cylinder and said cylinder is moved by said manual means; operating means mounted in said casing for moving said latch to disconnect said bolt from said cylinder and permit expansion of the spring to disengage the clutch members, said last mentioned means being actuated by said drum so that the clutch is disengaged according to the determined degree of hoist of the load by the winch; a ratchet on said drum; and a pawl adapted to be moved into and out of engagement with said ratchet by said manually actuated cylinder sliding means, the parts being so related that, when the pawl engages the ratchet, the drum can rotate to raise the load and is prevented from reverse rotation to lower the load, and, when the pawl is disengaged from the ratchet, the drum can rotate to lower the load.

2,347,570

CARPENTER'S PLANE

Abraham H. Lavietes, Shelton, Conn.

Application December 28, 1942, Serial No. 470,322
1 Claim. (Cl. 145—11)



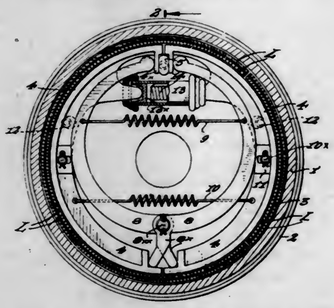
In a plane of the character described, a base having a transverse slot, an inclined blade having a cutting edge adapted to project through said slot and its opposite end adapted for lateral movement to adjust the cutting edge into parallelism with the base, a clamp plate above the blade, a longitudinally extending adjusting screw carried by the plate, a longitudinal slot through the plate, an adjusting nut on the screw provided with an extension projecting through the second slot and into an opening in the blade to cause the blade to move with the nut, said latter slot being wider than the extension to permit lateral movement of the extension in the slot, and an extension on the nut opposite the first extension providing a lever for turning the nut laterally on the screw to shift the upper end of the blade laterally to adjust the angular position of its cutting edge in the base.

2,347,571

BRAKE FOR WHEELS

Francis J. Linke, Elmira, N. Y.

Application October 8, 1942, Serial No. 461,242
2 Claims. (Cl. 188—78)



1. In a brake construction, a brake lining and a brake holding disk of a pair of brake shoes each having two shoulders one at each end, the pair providing two sets of shoulders in which a shoulder of one brake shoe is opposed to and spaced from that of the second brake shoe, a pair of pivoted levers each having one end abutting a shoulder of one brake shoe and its opposite end abutting a shoulder of the second brake shoe, and means near one set of brake shoe shoulders for moving the brake shoes away from each other, said movement being transmitted by said last named set of shoulders to the second set of shoulders by the pivoted movement of said levers, each pivoted lever comprising a curved member having a bent section at one end extending substantially at right angles thereto, means pivoting the levers to the brake holding disk at the lever-joining terminus of their bent sections for movement on a common axis, and the bent sections of the levers being directed away from each other.

2,347,572

ELECTROCLEANING PROCESS

Fred F. Martin, Peoria, and John I. Clark, West Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

No Drawing. Application March 11, 1940, Serial No. 323,392
5 Claims. (Cl. 204—34)

2. In the electrochemical process for cleaning metal wherein the metal to be cleaned is the cathode in a descaling electrolytic bath containing a substantially insoluble anode and a soluble anode of a metal which is deposited as a protective film on said metal to be cleaned, and said metal to be cleaned is the anode in another electrolytic bath which defilms said protective metal film from the metal to be cleaned and deposits the protective metal on a substantially insoluble cathode, the step of salvaging said protective metal which comprises substituting said substantially insoluble cathode with said protective metal deposit thereon for said substantially insoluble anode in said descaling bath whereby said protective metal deposit will be removed in said descaling bath and the metal thereof deposited on said metal to be cleaned.

2,347,573

BENZALMALONONITRILE AS A PEST-CONTROL AGENT

William Moore, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 2, 1941, Serial No. 391,486
1 Claim. (Cl. 167—30)

A method of combatting insects which comprises contacting them with a composition containing as an active ingredient benzalmalononitrile.

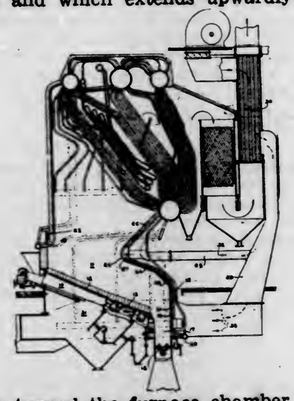
2,347,574

STOKER APPARATUS

Donald J. Mosshart, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 7, 1939, Serial No. 303,197
4 Claims. (Cl. 122—4)

1. The combination with a stoker forming the bottom of a furnace chamber and including a multiple retort underfeed section followed, in the direction of fuel feed, by an overfeed section including a plurality of pivotally-connected links providing for undulatory movement, agitation, breaking open and crumbling of the fuel bed passing thereover: of a water wall forming the back wall of the furnace chamber and including upwardly-extending water tubes, said water wall including a first section extending upwardly at the rear of the discharge end of the overfeed section and a second section continuous with the first section and which extends upwardly and forwardly toward the furnace chamber front wall and in spaced relation with respect to the overfeed section so as to cover substantially the latter.

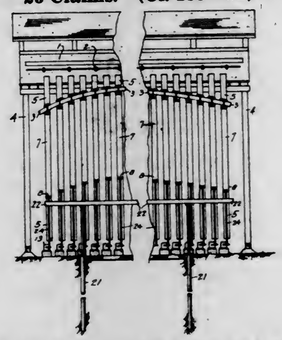


2,347,575

BEAM BENDING MACHINE

Harold E. Neverdal, Tacoma, Wash.

Application April 22, 1942, Serial No. 439,988
23 Claims. (Cl. 153—51)



1. In a bending machine for hot beams, the combination of a plurality of fixed vertical guide beams; stop plates adjustably supported thereon; a plurality of vertically sliding beams, each guided in vertical movement by its corresponding fixed beam, and adapted to be stopped by contact with said stop plate; and suspending means mounted on the head of each of said sliding beams and adapted to connect said head to the hot beams to be bent whereby, as said sliding beams pass downward on said guide beams and successively engage said stop plates, said hot beams are bent to the form determined by the adjusted positions of said stop plates.

2,347,576

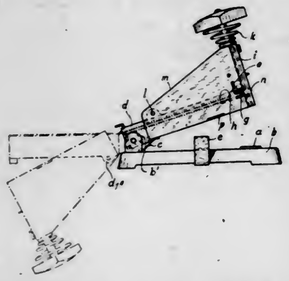
CRUDE RUBBER

Stewart R. Ogilby, Eltingville, Staten Island, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 21, 1941, Serial No. 399,208
8 Claims. (Cl. 260—821)

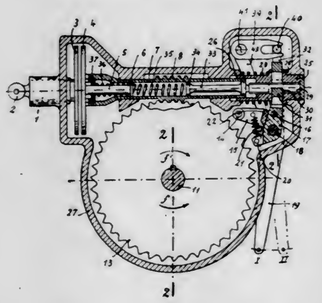
1. The method of obtaining crude rubber from the serum portion resulting from the creaming

mounted on the base ears, and having a pair of upstanding ears adjacent said pivoted end, and spaced forwardly of said first mentioned ears;



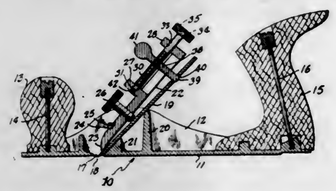
and a cover for said magazine having one end pivotally mounted on the magazine ears and provided at its other end with means for driving staples adapted to co-act with the anvil.

2,347,569
WINCH PROVIDED WITH AN AUTOMATIC RELEASE AT THE END OF THE LIFTING OPERATION
Roland Laraque, Paris, France; vested in the Alien Property Custodian
Application October 17, 1939, Serial No. 299,877
In Luxemburg October 28, 1938
4 Claims. (Cl. 254—173)



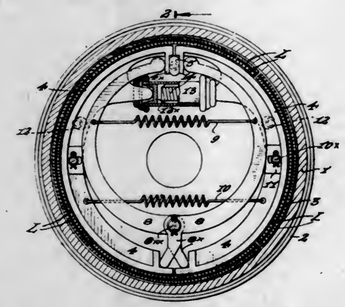
4. In a winch, the combination of a drum; a gear for actuating said drum; driving means for said gear; a clutch for said driving means comprising co-acting members, one of which is slidably mounted and provided with a stem; a spring associated with said stem and adapted to move said slidable clutch member into disengaged position; a casing; a cylinder slidably mounted in said casing; manual means for sliding said cylinder; a bolt slidably mounted in said cylinder; a latch reciprocably mounted on said cylinder for detachably connecting said bolt with said cylinder; connecting means between said bolt and said stem adapted to move said slidable clutch member into engaged position, and to compress said spring when said bolt is connected with said cylinder and said cylinder is moved by said manual means; operating means mounted in said casing for moving said latch to disconnect said bolt from said cylinder and permit expansion of the spring to disengage the clutch members, said last mentioned means being actuated by said drum so that the clutch is disengaged according to the determined degree of hoist of the load by the winch; a ratchet on said drum; and a pawl adapted to be moved into and out of engagement with said ratchet by said manually actuated cylinder sliding means, the parts being so related that, when the pawl engages the ratchet, the drum can rotate to raise the load and is prevented from reverse rotation to lower the load, and, when the pawl is disengaged from the ratchet, the drum can rotate to lower the load.

2,347,570
CARPENTER'S PLANE
Abraham H. Lavietes, Shelton, Conn.
Application December 28, 1942, Serial No. 470,322
1 Claim. (Cl. 145—11)



In a plane of the character described, a base having a transverse slot, an inclined blade having a cutting edge adapted to project through said slot and its opposite end adapted for lateral movement to adjust the cutting edge into parallelism with the base, a clamp plate above the blade, a longitudinally extending adjusting screw carried by the plate, a longitudinal slot through the plate, an adjusting nut on the screw provided with an extension projecting through the second slot and into an opening in the blade to cause the blade to move with the nut, said latter slot being wider than the extension to permit lateral movement of the extension in the slot, and an extension on the nut opposite the first extension providing a lever for turning the nut laterally on the screw to shift the upper end of the blade laterally to adjust the angular position of its cutting edge in the base.

2,347,571
BRAKE FOR WHEELS
Francis J. Linke, Elmira, N. Y.
Application October 8, 1942, Serial No. 461,242
2 Claims. (Cl. 188—78)



1. In a brake construction, a brake lining and a brake holding disk of a pair of brake shoes each having two shoulders one at each end, the pair providing two sets of shoulders in which a shoulder of one brake shoe is opposed to and

spaced from that of the second brake shoe, a pair of pivoted levers each having one end abutting a shoulder of one brake shoe and its opposite end abutting a shoulder of the second brake shoe, and means near one set of brake shoe shoulders for moving the brake shoes away from each other, said movement being transmitted by said last named set of shoulders to the second set of shoulders by the pivoted movement of said levers, each pivoted lever comprising a curved member having a bent section at one end extending substantially at right angles thereto, means pivoting the levers to the brake holding disk at the lever-joining terminus of their bent sections for movement on a common axis, and the bent sections of the levers being directed away from each other.

2,347,572
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Fred F. Martin, Peoria, and John I. Clark, West Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
No Drawing. Application March 11, 1940, Serial No. 323,392
5 Claims. (Cl. 204—34)

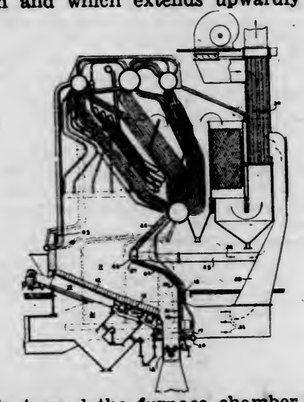
2. In the electrochemical process for cleaning metal wherein the metal to be cleaned is the cathode in a descaling electrolytic bath containing a substantially insoluble anode and a soluble anode of a metal which is deposited as a protective film on said metal to be cleaned, and said metal to be cleaned is the anode in another electrolytic bath which defilms said protective metal film from the metal to be cleaned and deposits the protective metal on a substantially insoluble cathode, the step of salvaging said protective metal which comprises substituting said substantially insoluble cathode with said protective metal deposit thereon for said substantially insoluble anode in said descaling bath whereby said protective metal deposit will be removed in said descaling bath and the metal thereof deposited on said metal to be cleaned.

2,347,573
BENZALMALONONITRILE AS A PEST-CONTROL AGENT
William Moore, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 2, 1941, Serial No. 391,486
1 Claim. (Cl. 167—30)

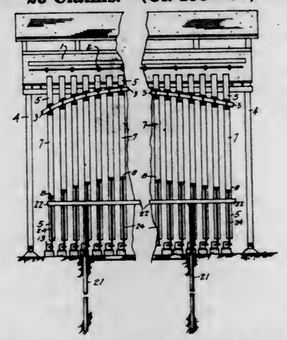
A method of combatting insects which comprises contacting them with a composition containing as an active ingredient benzalmalononitrile.

2,347,574
STOKER APPARATUS
Donald J. Mosshart, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1939, Serial No. 303,197
4 Claims. (Cl. 122—4)

1. The combination with a stoker forming the bottom of a furnace chamber and including a multiple retort underfeed section followed, in the direction of fuel feed, by an overfeed section including a plurality of pivotally-connected links providing for undulatory movement, agitation, breaking open and crumbling of the fuel bed passing thereover; of a water wall forming the back wall of the furnace chamber and including upwardly-extending water tubes, said water wall including a first section extending upwardly at the rear of the discharge end of the overfeed section and a second section continuous with the first section and which extends upwardly and forwardly toward the furnace chamber front wall and in spaced relation with respect to the overfeed section so as to cover substantially the latter.



2,347,575
BEAM BENDING MACHINE
Harold E. Neverdal, Tacoma, Wash.
Application April 22, 1942, Serial No. 439,988
23 Claims. (Cl. 153—51)



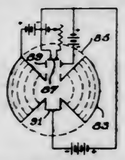
1. In a bending machine for hot beams, the combination of a plurality of fixed vertical guide beams; stop plates adjustably supported thereon; a plurality of vertically sliding beams, each guided in vertical movement by its corresponding fixed beam, and adapted to be stopped by contact with said stop plate; and suspending means mounted on the head of each of said sliding beams and adapted to connect said head to the hot beams to be bent whereby, as said sliding beams pass downward on said guide beams and successively engage said stop plates, said hot beams are bent to the form determined by the adjusted positions of said stop plates.

2,347,576
CRUDE RUBBER
Stewart R. Ogilby, Eltingville, Staten Island, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 21, 1941, Serial No. 399,208
8 Claims. (Cl. 260—821)

1. The method of obtaining crude rubber from the serum portion resulting from the creaming

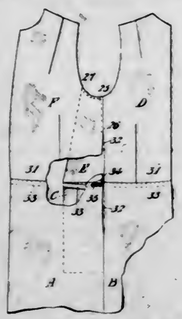
of an alkali-preserved latex which comprises flocculating the rubber in the serum portion with an acid at a pH above 4.6 in the presence of a water-soluble alkylene polyamine having at least three amino groups and being capable of raising to above 4.6 the pH at which flocculation by acid can be effected.

2,347,577
RESONANT CAVITY OSCILLATOR
Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Original application November 30, 1938, Serial No. 243,211, now Patent No. 2,233,263, dated February 25, 1941. Divided and this application October 18, 1940, Serial No. 361,707
1 Claim. (Cl. 315—5)



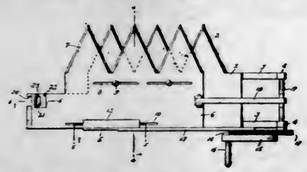
An ultra high frequency oscillator including a resonant chamber of spherical shape having a pair of reentrant portions including apertures, at least one tubular conductive member surrounding one of said apertures and extending from said chamber into one of said reentrant portions, means for emitting free electrons, means for focusing said electrons, means for projecting said electrons through said apertures and through said chamber, means including an electrode disposed outside of said cavity but within said one of said reentrant portions thereof and within said tubular member for phasing said electrons so that out-of-phase electrons will deliver their energies to establish and maintain spherical waves within said chamber, and means for biasing said electrode negatively with respect to said electron emitting means for repelling electrons approaching said electrode so that said repelled electrons will reenter said cavity in proper phase to sustain oscillations.

2,347,578
METHOD OF MANUFACTURE OF GARMENTS
Harry Roher, Brooklyn, N. Y.
Application November 23, 1942, Serial No. 466,690
6 Claims. (Cl. 2—74)



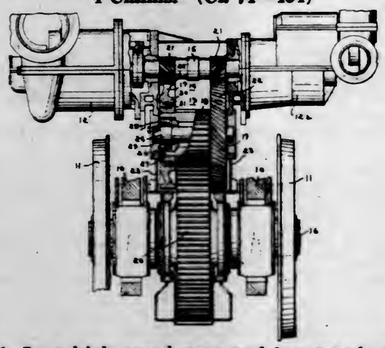
1. In a method for forming a placket in a garment, said garment having two gore portions with an integral insert therebetween, and having an extension at one side of the back of the waist member of said garment, and which consists in folding said gore portions and the insert integral therewith, and stitching one side of said doubled portion of the insert to the extended side of said waist member of said garment at the relative adjacent ends thereof, the other end portion of the doubled integral insert remaining free, also stitching the mating front waist member of said garment to the adjacent skirt gore member of said garment at their relative adjacent ends, forming thereby a placket with a free end for spreading space for head and arm passage and a free opening and free closing of said placket.

2,347,579
HEDGE TRIMMER
Matthew S. Rudd, Elizabeth City, N. C.
Application July 7, 1943, Serial No. 493,772
1 Claim. (Cl. 30—197)



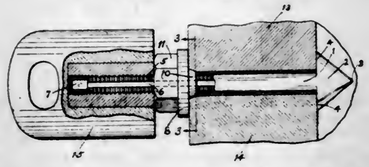
A hedge trimmer of the character described comprising a stationary lower bar, a guide on the rear edge of the lower bar intermediate the ends of the bar, arms projecting from the rear end of said lower bar and inclining upwardly, bearings on the outer ends of said arms, a crankshaft journaled in the bearings, an upper bar mounted for reciprocation on the lower bar and in said guide, coacting blades on the upper and lower bars, an arm on said guide inclining rearwardly and upwardly along the rear portion of the lower bar, a manually operable gear on the last-named arm, a gear on the crankshaft engaged with the first-named gear for actuation thereby, a pitman connecting the upper bar to the crankshaft for actuation thereby, and a handle on said guide.

2,347,580
REDUCTION GEARING APPARATUS
Kenneth R. Stearns, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1942, Serial No. 460,608
4 Claims. (Cl. 74—434)



1. In a high-speed gear and low-speed pinion assembly of a double-reduction gear for transmitting power from an elastic-fluid turbine to the drivers of a locomotive wherein hub portions of the gears have pressed fit relations with respect to pinion end spigot portions and the latter having pressed fit relations with respect to outer races of telescoped roller bearings, means for avoiding expansion of each gear hub portion due to expansion of the associated gear rim portion under influence of centrifugal force, said means comprising torque-transmitting structure connecting the hub and rim portions of each gear and which is flexible radially.

2,347,581
ANCHOR BOLT
Merrill E. Turner, University City, Mo.
Application February 3, 1941, Serial No. 377,187
3 Claims. (Cl. 72—101)



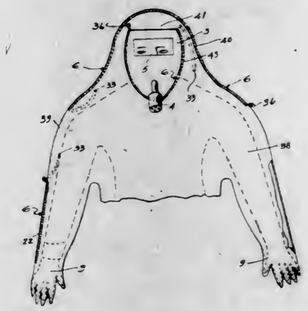
1. An anchor bolt construction for attachment to a support, said construction comprising a bolt body provided with a head having a shoulder facing the body of the bolt so as to engage the rear surface of the support after the head has been passed through the support and the bolt turned through an angle, a washer adapted to be mounted on the bolt, cooperating means carried by the washer and bolt for preventing relative rotation, said washer being provided with a projecting portion extending from one side of the washer in surrounding relation to the washer opening and tapered from the washer toward the washer axis so that when the bolt is in position in the support and the washer mounted on the outer end with the projection toward the support said projection can be forced into the support opening to thus fill the entire end of the opening in the support after the head has been passed through the support, and means cooperating with the bolt body and the washer for forcing the projection into tight wedging relation with the surface forming the outer end portion of the opening in the support and also holding the shoulder of the head against the support.

2,347,582
SYSTEM FOR PRODUCING POLARIZED LIGHT OF PREDETERMINED VIBRATORY CONDITION
Heinz Ulffers, Dresden, Germany; vested in the Alien Property Custodian
Application April 22, 1940, Serial No. 330,963
In Germany April 26, 1939
2 Claims. (Cl. 88—65)



1. In a system for producing polarized light of selectively determined vibratory condition from a beam of unpolarized light, the combination of a support, polarizing means fixed on said support in the path of said beam for transmitting a component of said beam as plane polarized light, a pair of axially aligned birefringent members each formed of thin transparent foil material, means for mounting said birefringent members on said support whereby either member is rotatable about said axis relative to the other member and whereby both members are conjointly rotatable about said axis, said birefringent members being positioned in alignment with said polarizing means to intercept polarized light and to act as wave retardation means in accordance with their orientation with respect to each other and to said polarizing means, and separate scale means and pointer means associated with each birefringent member for indicating the relative angular position between the main vibratory axes of the two birefringent members and the relative angular position between the main vibratory axes of one of the birefringent members and the polarizing means whereby to permit the selective orientation of the polarizing means and the birefringent members with respect to each other to obtain a predetermined vibratory condition of the light transmitted by said system.

2,347,583
LIFE PRESERVER
Kalusd Vartabedian, Chicago, Ill.
Application September 16, 1941, Serial No. 410,985
3 Claims. (Cl. 2—2.1)

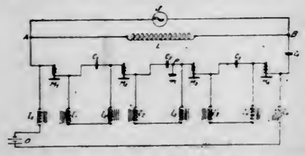


1. In a pneumatic seal for waterproof fabric comprising a pair of overlapping end portions corresponding in contour to provide an opening in said fabric, a pair of slide fasteners at the end of each of said overlapping end portions and adapted to provide a chamber at said overlapping end portions, and an inflatable tube arranged in said chamber and expandable upon inflation to completely seal said chamber against ingress or egress of fluid.

2,347,584
MARINE SOUND SYSTEM
Raymond Villem, Paris, France; vested in the Alien Property Custodian
Application July 10, 1940, Serial No. 344,647
In France August 10, 1939
3 Claims. (Cl. 177—386)

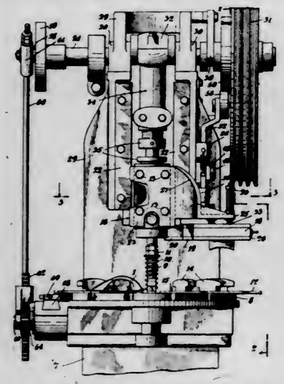
1. In a marine sound system of the character wherein sound waves are transmitted and received, the combination of, a plurality of magnetostrictive microphones positioned to transmit sound waves of predetermined characteristics to

the water and to be vibrated by sound waves from the water, circuit means connecting said microphones in series and to a source of alternating current, a direct current circuit including a source of direct current and a plurality of blocking coils and connected to produce magnetic flux in each of said microphones with the



blocking coils being effective to carry the direct current by preventing the passage of a substantial amount of alternating current, and a plurality of condenser units connected in said circuit respectively at said microphones and adapted to compensate for the phase displacements caused by the inductance of the microphones.

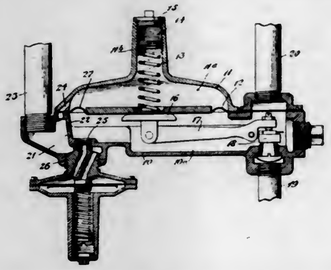
2,347,585
MACHINE FOR INLAYING
Thomas Wainman, Arlington, N. J., assignor to Plastic Inlays, Inc., Summit, N. J., a corporation of New Jersey
Application January 11, 1940, Serial No. 313,380
14 Claims. (Cl. 41—1)



1. In a machine of the class described, the combination of a plurality of pressure members for applying pressure to articles to be inlaid, heating means carried by a plurality of said pressure members, a plurality of holders for said articles, means for advancing said holders step by step to present the holders and articles thereon consecutively to a plurality of said pressing members, devices for forcing said pressure members against a plurality of articles on said holders, and mechanism for varying the period during which pressure is applied.

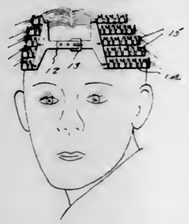
2,347,586
RELIEF MEANS FOR PRESSURE REGULATORS
Fairchild Whitworth, Fairfield, Conn., assignor to Sprague Meter Company, Bridgeport, Conn., a corporation of Connecticut
Application November 28, 1941, Serial No. 420,806
10 Claims. (Cl. 137—53)

2. In combination with a device provided with a pressure chamber and an exhaust chamber separated by a wall having an opening therein, of a mechanical seal for said opening for controlling the connection between said chambers comprising a body portion having a part thereof extending through the exhaust chamber and closing the opening in the separator wall; a movable diaphragm connected to and extending across the body portion and with it forming a



body chamber, said part of the body portion having an inlet passage connecting the pressure chamber to the body chamber and an outlet passage completely reversing the flow of fluid and connecting the body chamber to the exhaust chamber; and means including a diaphragm controlled by the pressure in said body chamber for closing the outlet passage.

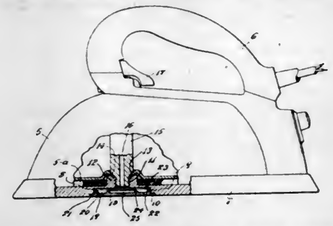
2,347,587
HAIRCUTTING GUIDE
Zelma Love Wiles, Rockford, Ill.
Application April 9, 1943, Serial No. 482,437
2 Claims. (Cl. 132—45)



2. A hair cutting guide comprising a frame of substantially C-shaped plan adapted to be mounted on the head, said frame including a plurality of vertically and horizontally spaced, coaxial resilient bars, outwardly curved lips on the lower portions of the bars, outwardly and upwardly curved alternately long and short teeth integral with the lips, and means adjustably connecting the ends of the frame for securing said frame in position on the head.

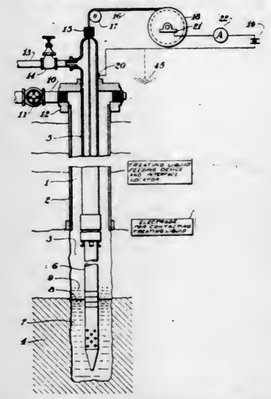
2,347,588
STEAM PRESSING IRON
Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application July 27, 1940, Serial No. 347,918
4 Claims. (Cl. 38—77)

2. In a steam iron, a sole plate having a lower ironing surface with a downwardly opening recess, a closure for said recess, and means to supply steam to said recess, the said closure comprising a disc-shaped member having an upstanding annular wall providing a well in said closure and passages extending generally verti-



cally through said wall to conduct steam from said chamber to said pressing surface, and means for heating said iron.

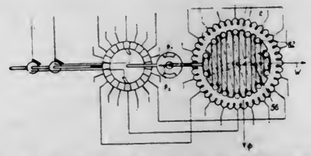
2,347,589
LIQUID LEVEL INDICATING SYSTEM FOR USE IN TREATING WELLS
Ormond E. Barstow, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 2, 1941, Serial No. 409,200
6 Claims. (Cl. 73—51)



1. In apparatus for introducing into a well an electrically conducting liquid and measuring its level therein, the combination of a tubing string, a tubular member removably engaging the lower end of the tubing string and provided with openings permitting the passage of liquid through it into the well, an electrode mounted on the tubular member between its ends and insulated therefrom, an insulated conductor threaded through the tubing string and connected to the electrode, an electrical circuit including the conductor and means for detecting current flow when an electrically conducting liquid in the well makes contact with the electrode.

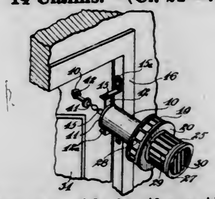
2,347,590
ELECTRICALLY OPERATED CONTROL DEVICE
Eugen Binder, Berlin, Germany; vested in the Alien Property Custodian
Application November 7, 1940, Serial No. 364,730
In Germany August 3, 1939
1 Claim. (Cl. 172—239)

An electrically operated control device comprising in combination a controlling impulse system; an electrical power source; a relay controlling said electrical power source; an electric motor of low power and inertia; said impulse system acting upon said relay for feeding said motor with electric power varying in response to the amount and direction of the controlling impulse, thereby correspondingly varying the speed and direction of rotation of the motor; an A. C. fed rotating commutator driven by the motor; a sec-



ond electric motor of considerable power and of the rotating field type controlled by the commutator for actuating a heavy regulating member in response to the variations of said controlling impulse and a coupling member provided between the rotating commutator and the second motor, said coupling member permitting only a limited displacement of the second motor relative to the first motor in both directions of rotation.

2,347,591
VAPOR DIFFUSING DEVICE
Eugene Cohn, Chicago, Ill.
Application August 26, 1943, Serial No. 500,116
14 Claims. (Cl. 21—77)



1. A device operable by the action of a swinging door or the like comprising a support, a substance carried by the latter from which a volatile agent may be drawn by the contacting passage of air currents, and a unit actuated by a movement of the door to produce said air currents, said unit including means permitting the free operation of the unit by momentum when said door movement ceases.

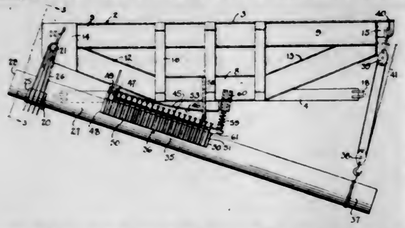
2,347,592
LUBRICATING OIL
Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 28, 1943, Serial No. 473,854
6 Claims. (Cl. 252—39)

1. A lubricating oil composition containing a lubricating oil and 0.1 to 5% of a di-(dihydroabietyl) dithiophosphate.

2,347,593
PORTABLE MACHINE FOR BENDING LARGE DIAMETER PIPE
James D. Cummings, Houston, Tex., assignor to Crutcher-Rolfs-Cummings Company, Houston, Tex., a corporation of Texas
Application September 3, 1943, Serial No. 501,068
9 Claims. (Cl. 153—32)

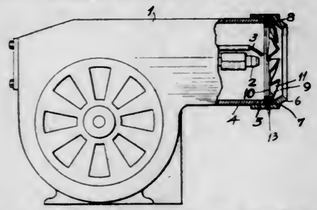
1. A pipe bending machine for bending relatively large diameter metal pipe comprising a

frame, means to retain a pipe end at one end of the frame, a bending section carried by said frame and including a template of the curvature of the bend, a series of connected shoe members mount-



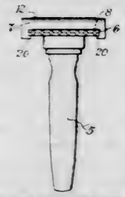
ed on said frame, means normally urging some of said shoes against the pipe, and means to exert a pull on the free end of the pipe to force said shoes against the template as the pipe bends around the shoes.

2,347,594
TUYÈRE STRUCTURE
Martin De Lin, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation
Application November 16, 1940, Serial No. 365,978
3 Claims. (Cl. 158—76)



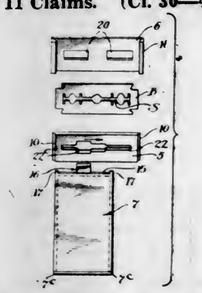
1. In a tuyère structure, a housing with a blower therein, an air tube extending therefrom, a liquid fuel atomizer nozzle adjacent the outlet end of the tube; an annular member extending over the end of the air tube and having an inturned flange and a shoulder at the base of the said inturned flange, a diaphragm between the said shoulder and the end of the air tube and having an opening, said diaphragm having a plurality of air deflector blades each comprising a flat portion extending radially inward toward the axis of said tube and a curved portion in inclined relation to the flat portion, and a plurality of annular ring like shims of thin metal at a side of the said diaphragm and between the end of the air tube and the shoulder of said annular member.

2,347,595
SAFETY RAZOR
Jan de Swart, Los Angeles, Calif., assignor of one-half to C. Bland Jamison, Beverly Hills, Calif.
Application August 18, 1942, Serial No. 455,160
4 Claims. (Cl. 30—74.1)



1. A safety razor comprising a base, a handle secured to and disposed at an angle to the base, a blade retaining plate on the base, said plate having resilient flexible end portions engaging over the ends of the base whereby to clamp a blade between the plate and base.

2,347,596
SAFETY RAZOR
Jan de Swart, Los Angeles, Calif., assignor of one-half to C. Bland Jamison, Beverly Hills, Calif.
Application April 9, 1943, Serial No. 482,411
11 Claims. (Cl. 30—47)

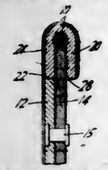


1. A safety razor comprising a guard plate presenting a longitudinal slot having a T-shaped medial portion, a handle having a T-shaped end portion slidably engaging in said T-shaped medial portion of the slot, a clamping plate for retaining the razor blade against the guard plate, said last-named plate having a depending lug fitting into the longitudinal slot, and means for detachably securing the clamping plate to the guard plate.

2,347,597
DIAMOND ABRASIVE STICK
Adolph Ehrlich, New York, N. Y.
Application August 26, 1943, Serial No. 500,166
No Drawing. Application August 26, 1943, Serial No. 500,166
7 Claims. (Cl. 51—300)

1. An abrasive composition containing diamond dust, beeswax, rosin and shellac.

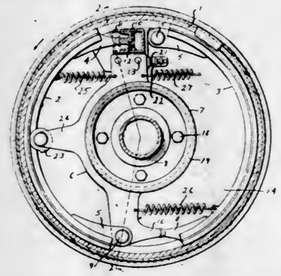
2,347,598
ELECTRIC ARC WELDING ELECTRODE HOLDER
John L. Foley and Daniel B. Malarkey, Buffalo, N. Y.; said Foley assignor to Hobart Sales Service Supplies, Buffalo, N. Y.
Application April 7, 1943, Serial No. 482,120
4 Claims. (Cl. 219—8)



2. A welding electrode holder comprising a pair of handle portions pivoted together intermediately of their ends, one of said handle members having a reversely turned end portion disposed to overhang the corresponding end portion of the other of said handle members when in tool closed position whereby to enclose upon and grip the end of a welding electrode therebetween, said overhanging handle portion having a rear wall disposed transversely thereof and adapted to limit the extent of insertion of the electrode into

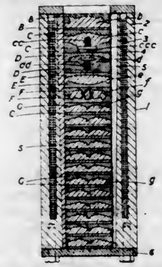
said tool, a metal strip of high electrical conductivity mounted integrally therewith and alongside said handle member having said overhanging portion and extending about said overhanging portion to be integral therewith and to reinforce the latter and to conduct welding current from the lower end of said handle into said overhanging jaw portion, and electrical connection means at the lower end of said handle for detachably connecting an electrical conductor to the corresponding end portion of said metal strip.

2,347,599
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 16, 1942, Serial No. 427,054
6 Claims. (Cl. 188—152)



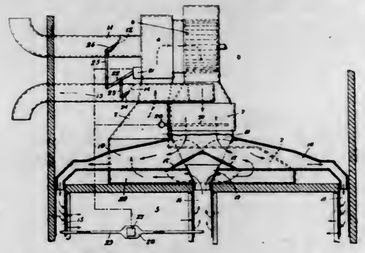
1. A brake comprising a brake drum, interchangeable friction elements engageable with said drum, a member carrying and pivotally connected to one end of one of said elements, said member being swingable upon circumferential movement of one of said first mentioned elements and being operatively connected to another of said elements at one of its ends to move said last mentioned element into engagement with said drum, a pivotal anchor other than said member for the other end of said last mentioned element, and an actuator on said swingable member engageable with the end of asid first mentioned element other than the pivotally connected end for moving said first mentioned element into engagement with said drum.

2,347,600
MOLDING PLASTIC MATERIALS
John Howard Goode, North Holmwood, England
Application June 3, 1942, Serial No. 445,581
In Great Britain May 30, 1941
4 Claims. (Cl. 18—5)



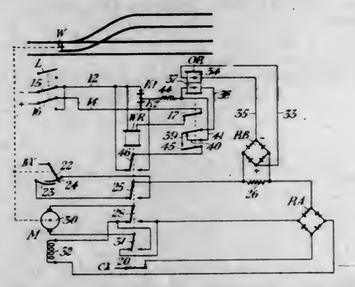
1. Means for forming articles under pressure including a multiple mold comprising tubular guiding means having a bore, die members in series mounted in said bore and capable of movement along the bore and relatively to one another so as to compress charges placed between die members when pressure is applied along the series, the guiding means having a vent extending longitudinally of the bore in communication therewith, for any trapped air or surplus material, the die members being formed with projections into the vent which serve both to key the die members and are adapted to abut one another when the articles are formed.

2,347,601
THERMOSTATIC CONTROL FOR DRY KILNS
William Jackson, Collingswood, N. J., assignor to B. F. Sturtevant Company, Boston, Mass.
Application May 21, 1943, Serial No. 487,895
6 Claims. (Cl. 34—50)



1. A dry kiln comprising a drying chamber, ducts connecting opposite sides of said chamber, one for supplying drying air into, and the other for withdrawing drying air from, said chamber, means for reversing the flow of air through said ducts, means for changing the condition of the air supplied into said chamber, means responsive to said condition of the drying air for adjusting said last mentioned means, and a sampling duct interconnecting said ducts and by-passing said chamber and enclosing said responsive means for supplying samples of the air entering said chamber in contact with said responsive means.

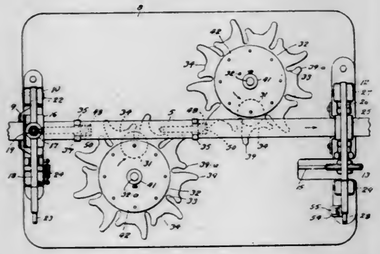
2,347,602
SWITCH CONTROL SYSTEM
Allan T. Johnston, Mount Lebanon, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 23, 1942, Serial No. 427,974
4 Claims. (Cl. 246—219)



1. In combination, a track switch movable between a normal and a reverse position, a motor for moving said switch, means including a thermal resistance in series therewith for supplying

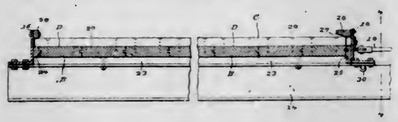
energy from an alternating current source to said motor, a polarized control relay governing the supply of energy by said means so as to cause the motor to move the switch to its normal or reverse position according as energy of normal or reverse polarity is supplied to said relay, a pair of control wires over which energy may be supplied to the winding of said control relay, means for at times supplying energy of normal polarity and at other times supplying energy of reverse polarity to said control wires, an overload relay having a pick-up and a holding winding, a rectifier having its input terminals connected across the terminals of said resistance and having its output terminals connected to supply energy to the overload relay pick-up winding, and means including a polar contact of said control relay for supplying from said control wires to the overload relay holding winding energy of the same polarity as that supplied to the overload relay pick-up winding, said overload relay having a contact effective when picked up to interrupt the supply of energy from said control wires to the winding of said control relay.

2,347,603
CUTTING MACHINE
Louis V. Lucia, West Hartford, Conn.
Application May 30, 1942, Serial No. 445,213
20 Claims. (Cl. 26—7)



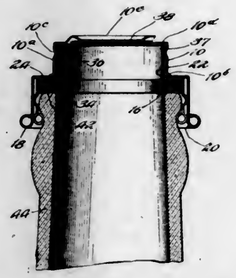
1. A cutting machine of the character described, for Venetian blind tape or the like, having alternate cross threads and cross straps, said machine comprising a stationary cutter for cutting said cross threads, and means controlled by the movement of said tape through the machine for preventing said cross straps from engaging said cutter.

2,347,604
FLOOR PRESS
Wayne E. McDonald, Walnut, Ill., assignor of one-third to George H. Gonigam, one-third to Clifford M. Hill, and one-third to Glenn W. Bass, all of Walnut, Ill.
Application April 6, 1942, Serial No. 437,881
1 Claim. (Cl. 144—289)



In a press for clamping together a piece of furring and a panel or the like, an elongated support, a fixed clamping plate on the support following one longer edge of the same, a pressure bar directly opposite said plate and movably connected to the support, means for advancing said bar toward the plate and arranged at predetermined intervals along the said bar, facings on confronting surfaces of said plate and bar, respectively, and having interfitting engagement with the panel for the true alignment of such panel therewith, a guide on the pressure bar and having a beveled area for riding upon the furring to effect wedging pressure thereon and maintaining the latter tight against the panel, a strip carried by the plate and spaced from the support for holding the furring next thereto against the panel, and means for controlling the advancing means.

2,347,605
CLOSURE FOR BOTTLES, JARS, AND SIMILAR CONTAINERS
Charles D. Magnesen, Chicago, Ill.
Application April 18, 1940, Serial No. 330,238
4 Claims. (Cl. 215—45)

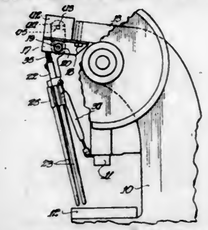


1. A closure of the type described comprising a pair of telescopically slidable members connected together, one of said members being a top member having a raised button thereon, a ledge around the upper edge of the shank of said button, said member having an enlarged aligned cylindrical portion below said button and a plurality of relatively narrow longitudinally yielding fingers originating at and depending from the horizontal portion of said top member about the periphery thereof, each finger being formed with an outward horizontal corrugation intermediate its ends and with an inwardly curled resilient terminal portion, the outer telescopic member comprising a cylindrical shell of sufficient diameter to surround and contact the outward bulges of said fingers whereby the outer member is adapted to subject said fingers in a closing movement to pressure occasioning longitudinal extension of said fingers to thereby compensate for irregularities on the underside of the shoulder of a receptacle to which said fingers may be applied, said outer member having a flat upper surface with an opening therein which surrounds the shank of the button on the top member permitting limited telescopic movement between the two parts, said ledge preventing separation of the same.

2,347,606
PUNCH PRESS GUARD
Nicholas S. Miller, Chicago, Ill.
Application December 17, 1941, Serial No. 423,386
4 Claims. (Cl. 74—615)

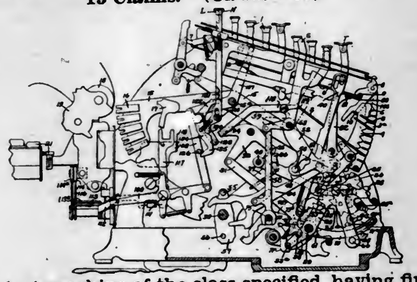
1. The combination with a punch press safety guard comprising a frame, and a pair of arms depending from the same and swingable laterally from points in front of the work zone; of

a support attachable to the head portion of the press and comprising a pair of laterally-spaced brackets, and a cross-shaft connecting the brackets and passing through the frame to dispose the latter pivotally relative to the support, the head portion of the press comprising a pair of laterally-spaced blocks formed with substantially



vertical and tapped bores, said brackets being of angle form and placed with one of their arms under the blocks and the other arms in pendent form, and bolts directed from underneath the first-mentioned arms of the brackets to thread upwardly into said bores, said cross-shaft applying to the pendent arms of the brackets.

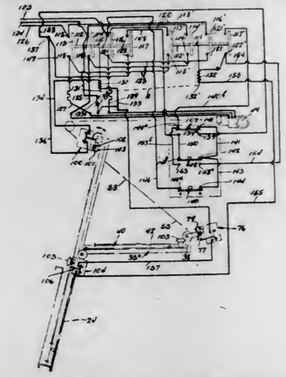
2,347,607
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application May 25, 1934, Serial No. 727,411
15 Claims. (Cl. 235—60)



1. A machine of the class specified, having first and second groups of movable actuators, means to reciprocate said actuators, first and second groups of register pinions, means to effect operative connection and disconnection of said groups of pinions with the respective groups of actuators, control means to condition said connecting means to effect total-taking connection of both of said groups of pinions with their respective groups of actuators simultaneously and for rotation of the pinions of said first group in one direction by their actuators during said total-taking connection, and means to condition said second group of pinions for rotation of the pinions thereof in either direction by their actuators during said total-taking connection in which the pinions of said first group are rotated in said one direction.

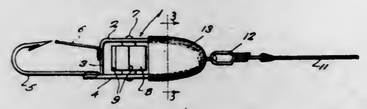
2,347,608
COPPERPLATING OF MIRRORS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 8, 1941, Serial No. 382,377
7 Claims. (Cl. 204—225)

1. In an apparatus for coating plates, a tank having an inclined side wall providing a track within the tank, said tank being adapted to contain a coating medium, a platform journaled to tilt from horizontal position to a position approximately aligning with said side wall about an axis contiguous to and parallel to an upper edge of the tank, a carriage mounted to move upon the platform and to rest upon it while it is in horizontal position, said carriage being de-



signed to support the plates while they are being coated, means to tilt the platform about its axis from said reclining position to an inclined position and to move the carriage from the platform when the latter is tilted along said inclined side wall of the tank, then back to the platform, said apparatus including means to maintain the platform in inclined position while the carriage is being operated.

2,347,609
ARTIFICIAL BAIT
Walter Phillips, Niagara Falls, N. Y.
Application October 22, 1942, Serial No. 462,973
2 Claims. (Cl. 43—42)

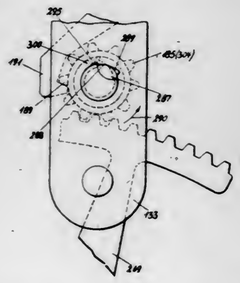


1. An artificial fish bait comprising a substantially U-shaped frame, one of the legs of the frame including a transverse end portion engaged with the other leg of said frame at a point in spaced relation to the free end of said other leg, a longitudinally extending hook fixed on said free end portion of said other leg of the frame, a guard for the hook fixed on the transversely extending end portion of said one leg of the frame, a shaft extending between the legs of the frame at an intermediate point, and a spinner on the shaft rotatable in the frame.

2,347,610
CALCULATING MACHINE, CASH REGISTER, OR THE LIKE
August Friedrich Pott, Zella-Mehlis, Thuringia, Germany; vested in the Alien Property Custodian
Application December 29, 1937, Serial No. 182,336
In Germany August 18, 1934
2 Claims. (Cl. 235—144)

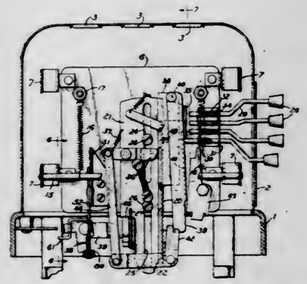
1. In a totalizer normalizing device, a frame having journal bearing openings, a longitudinally

grooved shaft rotatably mounted therein, a series of wheels rotatably mounted directly on the shaft, a normalizing key oscillatable in the groove to effective or ineffective position with respect to said wheels, angularly offset faces on said key, said frame defining an indentation at one of the bearing openings for receiving one of said offset faces when the key and shaft are



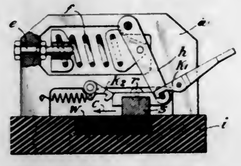
in their ineffective positions and coacting with said face to rotate the key into effective position upon rotation of the shaft in one direction, means to rotate the shaft while the key is in its effective position, to restore the wheels to normal, and means at the other bearing opening coacting with the other of said offset faces to restore the key to its ineffective position during rotation of the shaft in the opposite direction.

2,347,611
TOASTER
August C. Purpura, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application August 6, 1941, Serial No. 405,641
12 Claims. (Cl. 99—335)



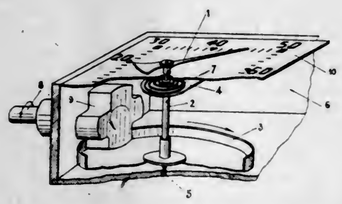
1. A cooking apparatus comprising a holder for an article to be cooked movable back and forth between a cooking position and a receiving position; said holder tending constantly to move toward and remain in the cooking position; an electric motor to move the holder from the cooking position into the receiving position at a speed proportionate to the speed of the motor; and manually-controlled means to render the motor inoperative to restrain the holder from moving to its cooking position and, a predetermined, variable time after the holder reaches the cooking position, to cause the motor to act on the holder to return it to its receiving position.

2,347,612
DEVICE FOR CONTROLLING POWER CIRCUITS
Wilhelm Puttfarcken, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application December 26, 1940, Serial No. 371,843
In Germany June 30, 1930
5 Claims. (Cl. 201—62)



1. In an apparatus for rapidly and continuously inserting a high resistance into an electric power circuit, a device of continuously variable effective resistance, having a resistor and a contact movable over and in contact with said resistor in a smooth uninterrupted path, a spring for moving said contact, means connecting a movable point of said spring with said contact such that the range of movement of said contact is substantially greater than that of said point, means for supporting said spring such that said spring is unstressed when said contact is at an intermediate point of said path and oppositely stressed at opposite sides of said point, said contact when released from one end of said path being moved by said spring to such intermediate point and the inertia of moving parts being such as to carry said contact well beyond said intermediate point and to the opposite end of said path, and means for moving said contact to said one end of said path, holding the same at said end and releasing the same.

2,347,613
MAGNETIC TACHOMETER
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France; vested in the Alien Property Custodian
Application January 3, 1941, Serial No. 372,968
In France October 29, 1940
2 Claims. (Cl. 264—13)



1. In a tachometer adapted to fit into a compact rectangular casing which is shallow from front to back, a movable unit comprising a pivoting shaft extending perpendicularly from the back toward the front and supporting an index and a metal disc parallel to said back and provided with a flange disposed substantially at right angles to said disc, a spring for restoring the movable unit towards a fixed position of rest, a rotating shaft so arranged that its geometrical axis is at right angles to the geometrical axis of the pivoting shaft and parallel with said front and back, a permanent multipolar magnet carried by said rotating shaft with the poles thereof projecting radially outward from said shaft,

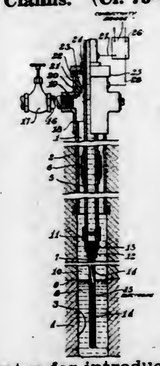
a fixed framework made of magnetic metal for completing the magnetic circuit of the permanent magnet and providing together with said magnet an air-gap through which passes the flange of the metal disc.

2,347,614
METHOD OF MAKING HOLLOW GLASS BODIES
Karl Rudolph, Dresden, Germany; vested in the Alien Property Custodian
Application March 14, 1941, Serial No. 383,370
In Germany March 1, 1940
4 Claims. (Cl. 49—82)



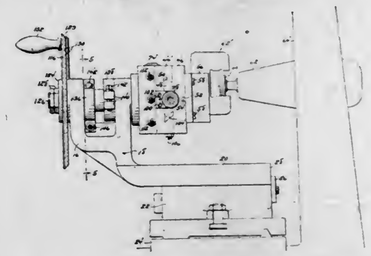
1. The method of producing hollow bodies from fusible material which comprises forming hollow mating sections with matching edges having interengaging lugs and recesses shaped to cause accurate positioning of the sections in mating relation and to hold said sections in spaced relation, assembling the sections in mating spaced relation with the lugs engaged in the recesses, heating the surfaces to be united to the fusing temperature, and pressing the sections together to unite the fused surfaces.

2,347,615
APPARATUS FOR TREATING WELLS
Paul G. Shelley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application March 2, 1942, Serial No. 432,941
4 Claims. (Cl. 73—51)



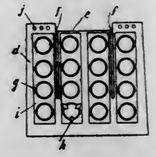
1. In apparatus for introducing into a well an electrically conducting liquid and measuring its level therein, the combination of a casing, a tubing string, insulatons on the tubing string to insulate the same from the casing, a tubular member removably engaging and held in testing position by the lower end of the tubing string and having a restricted bore communicating with the tubing string, an electrode positioned intermediate the length of said tubular member and electrically connected to the tubular member through resistance, electrical connections on said casing and said tubing string, respectively, to a source of current for forming an electric circuit through the tubing and casing which is closed when the bore of said tubular member and well below it is filled with a conducting liquid, means in the circuit for indicating a change in its resistance as the level of the conducting liquid in the well changes to make and break contact with the electrode on the tubular member.

2,347,616
RADIUS GRINDER
William F. Stephenson, Royal Oak, Mich.
Application November 14, 1941, Serial No. 419,184
5 Claims. (Cl. 51—234)



1. A work holder for a radius grinder, comprising a supporting plate, arms extending upwardly from one end of the plate, a web located between and connected to the arms, a spindle journaled in the arms above the web, a face plate carried by the spindle, means for operating the spindle, collars secured to the spindle between the arms, and stop members extending radially from the collars for contact respectively with opposite sides of the web to limit the movement of the spindle in both directions.

2,347,617
RESILIENT SEAT OR BACK
Anthonie Story, Amsterdam, Netherlands; vested in the Alien Property Custodian
Application December 9, 1940, Serial No. 369,346
In the Netherlands November 28, 1939
4 Claims. (Cl. 155—179)



1. A resilient seat or back comprising a frame, spiral springs located within said frame, a one piece flexible plate shaped metal cover located over said spiral springs, the boundaries of said cover being substantially coextensive with the outer boundaries of said frame, and means securing said metal cover to said frame at one of the sides thereof only, the spiral springs being vertically arranged and supported by and within the frame, the cover resting upon the top coils of the vertically arranged springs with the free edge of the cover supported upon the springs so that the cover flexes with the springs in supporting and distributing a weight applied thereto.

2,347,618
CONTAINER CLOSURE AND LINING COMPOSITION
Kenneth Tator, Egypt, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application July 25, 1940, Serial No. 347,541
In Canada June 17, 1935
6 Claims. (Cl. 260—750)

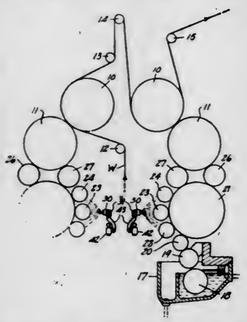
1. The method of making a stable aqueous dispersion which comprises milling cellulosic fibres into rubber to coat the fibres with rubber and

then intensively working the resulting mass with water and a dispersing agent selected from the



class consisting of casein, glue, gelatin, karaya, sea moss and algin to disperse the mass as a stable disperse phase in water.

2,347,619
ROTARY INKING MECHANISM AND PROCESS
Auburn Taylor, Charleston, W. Va., and Emory W. Worthington, Chicago, Ill., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1942, Serial No. 439,828
23 Claims. (Cl. 101—350)

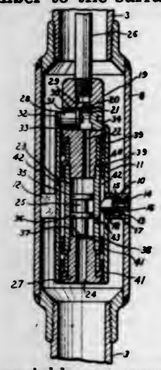


1. In a rotary printing press having inking mechanism, the combination of means for applying a finely divided liquid spray to the inking mechanism, said means being normally unactuated, means for automatically actuating said first mentioned means to apply said spray when the printing press is operating at a predetermined speed, and means for continuing the actuation of said first mentioned means for a predetermined period of time after the printing press is operating at a different speed.

20. The method of treating water base printing ink on the inking rollers of a printing press comprising the application of a finely divided water spray to the printing ink upon the inking rollers for a definite predetermined minimum period of time upon the operation of the printing press at a predetermined relatively low speed.

2,347.620
SURFACE OPERATED FLOWING MEANS FOR WELLS
Raymond G. Taylor, Jr., Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application April 2, 1941, Serial No. 386,466
19 Claims. (Cl. 103—234)

1. In a gas lift mechanism for wells having a casing and a tubing with a compressed gas chamber therebetween, a differential pressure operated valve member to control the admission of compressed gas from the said chamber into the tubing, a passageway leading from one end of said valve member to the surface of the ground

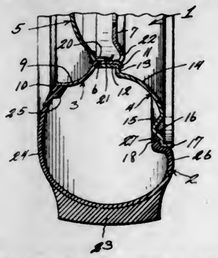


and having a variable gas pressure therein, and means to control the gas pressure in said passageway so as to control the opening or closing of said valve member by the differentials in pressures in the passageway and in the chamber.

2,347,621
PROCESS FOR REDUCTION OF NITRO HYDROXY COMPOUNDS
John B. Tindall, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 12, 1941, Serial No. 402,232
4 Claims. (Cl. 260—584)

1. In the reduction of nitro compounds selected from the group consisting of saturated nitro hydroxy aliphatic alcohols and saturated aryl nitro hydroxy aliphatic alcohols to the corresponding amino compounds, the process which comprises subjecting such a nitro alcohol compound to the action of hydrogen at superatmospheric pressures at a temperature ranging from about 35 to 85° C. in the presence of a finely divided Raney nickel catalyst and a quantity of a monobasic aliphatic acid having from 1 to 5 carbon atoms in an amount which is at least equivalent to the molecular quantity of nitrohydroxy compound present.

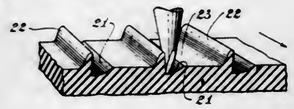
2,347,622
VEHICLE WHEEL AND TIRE
Carl A. Tschanz, Moody Field, Valdosta, Ga.
Application July 14, 1942, Serial No. 450,883
3 Claims. (Cl. 301—97)



1. A wheel for a pneumatic tire comprising two annular sections each of said sections being

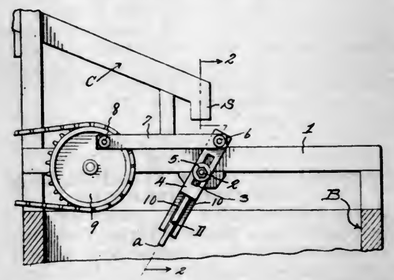
formed to provide a band like annulus, one of said band like annuli being frictionally engaged with the other one, the remote edges of said annular sections being flanged to form an abutment shoulder for a tire casing bead, and locking-tongues forming an integral part of one band like annulus and engaged across an edge of the other annulus for effecting a locking connection between the annuli.

2,347,623
SOUND RECORD AND METHOD OF MAKING
Robert Wagner, New York, N. Y., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 15, 1941, Serial No. 410,945
8 Claims. (Cl. 274—46)



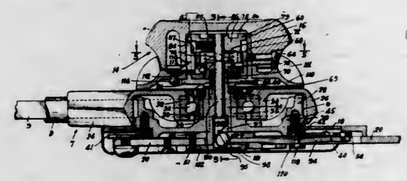
7. The method of making a sound record in tough material which is flexible and non-brittle in thin section, which comprises addressing a stylus to the surface of the record blank with its longitudinal axis at an angle thereto which may be selected between the vertical and a 10° drag therefrom, said stylus having a working tip which is an acute frustum of a cone, said tip being positioned for recording with the flat face of the frustum trailing at an angle of 225°±35° with respect to the path traversed by the blank in passing the stylus, and moving the blank while imparting sound impulses thereto through the stylus in known manner, thereby slitting the surface of the record at an acute angle thereto along the path of the sound track to provide a partially severed portion, continuous at its base to the right of the oncoming sound track to the main body of the record, and displacing the partially severed portion laterally and upwardly to form a substantial upstanding ridge raised above the plane of the record, continuous with, and on the right side only of the concurrently formed groove.

2,347,624
DISTRIBUTING MEANS FOR COARSE AGGREGATES
Carl Warren, Russellville, Ky.
Application May 12, 1942, Serial No. 442,719
4 Claims. (Cl. 193—3)



1. A means for controlling the segregation of a vertically dropping flow of aggregates, comprising an elongated flat body of greater width at one end than at the other, means for pivotally supporting said body at opposite longitudinal edges for rocking movement across the said flow, said means being disposed adjacent the narrower end of the body and the rocking axis extending across the body inwardly from the adjacent end edge and being disposed in the center of the flow whereby the portion of the body lying above the axis swings to a position across the flow to intercept the entire flow, and means for rocking the body on said axis.

2,347,625
DRAFTING MACHINE
Hans Wiedemann, West New York, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application May 7, 1941, Serial No. 392,239
15 Claims. (Cl. 33—79)



11. In a drafting machine, a member fixed in orientation, a straight-edge supporting frame, means for latching said frame to said member, a pivot pin having a generally tubular portion extending through said member mounting said frame for rotary movement below said member, a knob fixed to said pivot pin above said member, a rod axially reciprocable within the generally tubular portion of said pivot pin, means adjacent the knob to axially reciprocate said rod, a cam surface at the lower end of said rod, and means below said member moved by the cam surface at the lower end of said rod engaging and actuating said latching means.

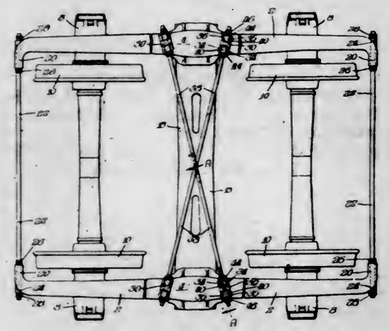
2,347,626
ASPHALTIC PRODUCT AND METHOD OF PREPARING SAME
Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 6, 1941, Serial No. 392,184
7 Claims. (Cl. 106—273)

2. The process of hardening asphaltic residues which comprises reacting maleic anhydride with a partially oxidized asphaltic petroleum residue containing unsaturated ingredients by heating a mixture of the same at about 150–250° C. until the softening point of the reaction product is substantially higher than that of the starting residue.

2,347,627
ESTERS OF BIS-(2-CARBOXYETHYL) ETHER
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 15, 1942, Serial No. 439,079
3 Claims. (Cl. 260—484)

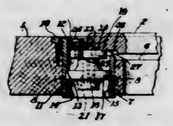
1. As a new compound, a diester of bis-(2-carboxyethyl)-ether and a non-tertiary monohydric aliphatic ether alcohol.

2,347,628
TYING AND SQUARING MEANS FOR CAR TRUCKS
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 20, 1941, Serial No. 394,327
17 Claims. (Cl. 105—208.2)



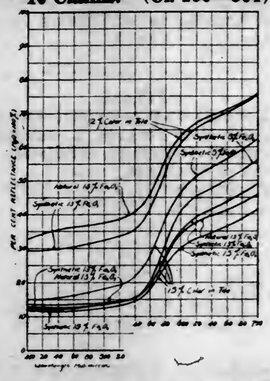
1. In a railway car truck, spaced truss side frames having tension and compression members and wheel connecting means, supporting wheel and axle assemblies, a bolster connecting said side frames, each of said tension members having a box section with spaced diagonally arranged brackets on the inboard face thereof below the axle level, a plurality of tie rods resiliently crisscross connected between said brackets, and tie rods resiliently connected between the ends of said frames.

2,347,629
RESILIENT SUPPORT
Arthur N. Hale, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 12, 1942, Serial No. 458,089
9 Claims. (Cl. 112—258)



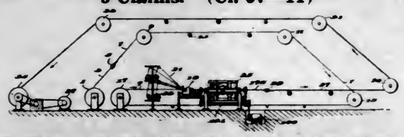
1. A resilient support for use with other similar units to mount the bed of a sewing machine on a supporting table, comprising a tubular casing adapted to be secured to a table and formed with a notched portion providing a lateral opening at one end of said casing and with an inner peripheral shoulder disposed intermediate the ends thereof, a resilient element having a peripheral edge portion disposed against said inner peripheral shoulder, a sleeve element slidably disposed within said tubular casing at the end thereof remote from the notched end and removably secured thereto to hold said resilient element against said peripheral shoulder, and a stud element carried by said resilient element and formed with a flat head portion providing a platform supporting surface for receiving a corner portion of the bed of a sewing machine through the lateral opening provided by said notched portion of the casing.

2,347,630
CERAMIC PIGMENT
Carl J. Harbert, Shaker Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
Application July 23, 1941, Serial No. 403,715
10 Claims. (Cl. 106—304)



1. A process for forming an iron-silica ceramic pigment including the steps of forming a gel by reacting an inorganic water soluble ferric compound and an acid with a soluble alkaline silicate in proportions capable of yielding a composition of emperical formula $Fe_2O_3 \cdot xSiO_2$, where x is of such value that the Fe_2O_3 is not more than 15% of the combined weights of Fe_2O_3 and SiO_2, and water in gel forming quantity, drying, washing and calcining.

2,347,631
APPARATUS AND METHOD FOR MAKING FLEXIBLE SHAFTING
Clarence F. Hotchkiss, Jr., Binghamton, N. Y., assignor to Stow Manufacturing Company, Inc., Binghamton, N. Y., a corporation of New York
Application January 18, 1943, Serial No. 472,770
5 Claims. (Cl. 57—11)

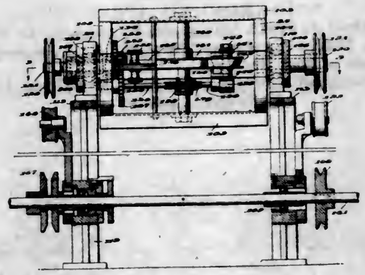


1. The method of winding a plurality of closely adjacent wire helices on to a length of core comprising swivelably connecting said length of core between a second length of core and a previously wound length of core, leading said first length of core through a tool wherein a series of continuous wire strands are wrapped around the periphery thereof, and simultaneously advancing the length of core to be wound, the length of unwound core and the previously wound length of core while rotating only the first length of core being wound.

2,347,632
WINDING HEAD FOR FLEXIBLE SHAFT FORMING MACHINES
Clarence F. Hotchkiss, Jr., Binghamton, N. Y., assignor to Stow Manufacturing Company, Inc., Binghamton, N. Y., a corporation of New York
Original application January 18, 1943, Serial No. 472,770. Divided and this application November 2, 1943, Serial No. 508,755
5 Claims. (Cl. 57—11)

1. A flexible core winding head including a rotatable frame comprising spaced end pieces

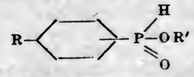
joined by horizontal bars, outwardly extending horizontal tubular axles supporting said end pieces, a freely rotatable hollow shaft passing through one of said tubular axles and end pieces, the other of said tubular axles being rigidly secured to the other of said end pieces, a horizontal drive shaft mounted within said frame and connected to the said freely rotatable hollow shaft, a draw pulley pivotally mounted in the said ro-



tatable frame transversely of said horizontal drive shaft and operatively connected thereto, means to independently rotate the said hollow shaft and the tubular axle secured to the frame end piece whereby a flexible core threaded through said hollow shaft and tubular axle and contacting the periphery of said draw pulley will be axially rotated and longitudinally drawn through said winding head.

2,347,633
ORGANIC PHOSPHORUS COMPOUNDS
Gennady M. Kosolapoff, Dayton, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application May 7, 1941, Serial No. 392,398
11 Claims. (Cl. 260—501)

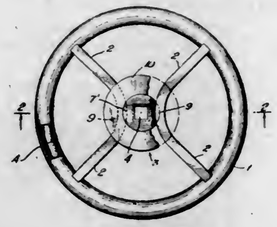
1. Compounds having the structure:



where R is an alkyl group of at least 5 carbon atoms in length, and R′ is a nitrogenous base.

2,347,634
HANDWHEEL FOR VALVES AND THE LIKE
Gates F. Parkin and Leslie A. Brown, Meriden, Conn., assignors to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application September 18, 1943, Serial No. 502,934
4 Claims. (Cl. 74—552)

1. A hand wheel of the character set forth comprising a rim, multiple pairs of integrally formed spokes having their outer ends recessed to fit the interior surface of the rim, a hub structure having curved recesses formed on the side thereof, one recess for each pair of integrally formed spokes, the intermediate parts of said integrally formed spokes being disposed in said recesses, said spokes, rim and hub being disposed in a common plane and an annular reinforcing flange fitting on to one end of said hub and being of the same thickness as shoulders formed on the periphery of said hub by said recesses, all of said parts being rigidly fastened at their points of engagement and said reinforcing flange lying flat against the sides of intermediate parts of said spokes for binding the hub and spokes together



into a strong structure and distributing the strain over the hub throughout the area of the contact of the flange with the sides of said spokes.

2,347,635
CHEMICAL SEASONING OF WOOD
Frank B. Smith, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 2, 1941, Serial No. 405,131
8 Claims. (Cl. 21—64)

1. In the chemical seasoning of wood with aqueous solutions of hygroscopic organic chemicals the step which consists of incorporating a water-soluble chlorophenolate in the treating solution in amount sufficient to prevent the growth of microorganisms in and on residues of the hygroscopic chemical as deposited on the surface of the wood.

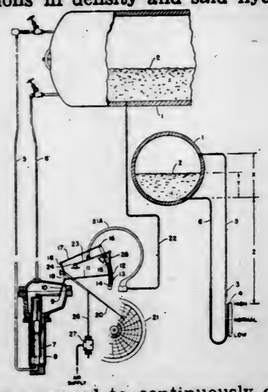
2,347,636
RECOVERY OF UNSATURATED ALDEHYDES
Le Roy U. Spence, Elkins Park, and Frederick W. Robinson, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 24, 1941, Serial No. 399,534
8 Claims. (Cl. 260—603)

1. In the recovery of unsaturated aldehydes from mixtures containing same in the presence of water, the improvement which comprises extracting the unsaturated aldehydes with a relatively high boiling solvent for the aldehydes, which solvent is at least one member of the group consisting of alcohols, ketones, and esters that are substantially immiscible with water and subsequently separating the components by distillation.

2,347,637
LIQUID-LEVEL MEASURING APPARATUS
Raymond E. Sprenkle, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application November 20, 1940, Serial No. 366,446
6 Claims. (Cl. 73—299)

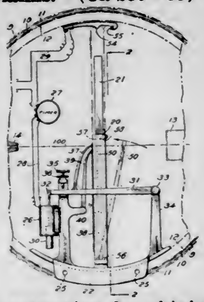
1. A water level indicator including in combination, a mercury U-tube having two legs, one of the legs containing above the mercury a relatively constant height of relatively cold water, the other of said legs having above the mercury a column of water varying in height as the level of the water to be determined and subject to variations in density, means for indicating variations in the height of mercury in the U-tube, and hydrostatic means so associated with the water

to be measured as to be positioned responsive to such variations in density and said hydrostatic



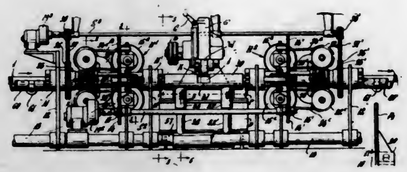
means being arranged to continuously compensate the indications of the mercury column.

2,347,638
X-RAY TECHNIQUE
Dan McLachlan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 22, 1942, Serial No. 455,691
2 Claims. (Cl. 250—53)



1. An X-ray apparatus for obtaining powder diffraction patterns comprising an incident X-ray beam, a sample mount for carrying comminuted crystalline material, means for reciprocating the sample mount in a plurality of discrete intermittent steps through the incident X-ray beam and means for recording the diffracted incident beam after its passage through the crystalline material.

2,347,639
BAR-GRINDING APPARATUS
Stephen A. Platt, Nutley, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey
Application November 24, 1942, Serial No. 466,756
6 Claims. (Cl. 51—79)

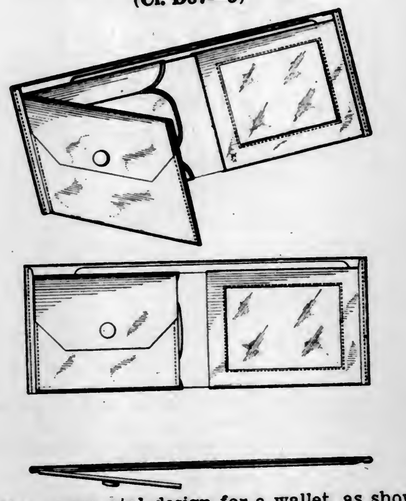


5. In grinding apparatus for removing the surface of elongated articles of substantially square cross-section, such as a metal bar, said apparatus comprising in combination, means to move the bar axially with simultaneous axial rotation along a horizontal plane, means to sus- cally above the said bar to be rotatable about an tain a grinding wheel at a horizontal level verti- axis parallel to the axis of bar movement, means to urge the grinding surface of said rotating grinding wheel into pressure engagement with the upper surfaces of the said axially moving and axially rotating bar, and a guide shoe means sustained in a position forwardly of said grinding wheel to engage the advancing upper surface of said bar at a horizontal level above the horizontal level of the grinding wheel with the bar, said guide shoe means being connected to the grinding wheel sustaining means to raise and lower the said grinding wheel in response to variations in the horizontal level of the advancing bar surface.

DESIGNS

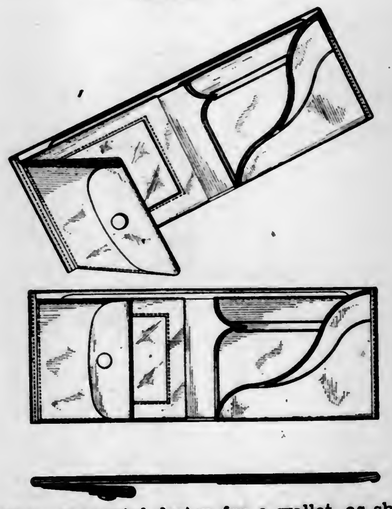
APRIL 25, 1944

137,725
DESIGN FOR A WALLET
Robert S. Berens, Brooklyn, N. Y
Application March 17, 1944, Serial No. 112,935
Term of patent 3½ years
(Cl. D87—3)



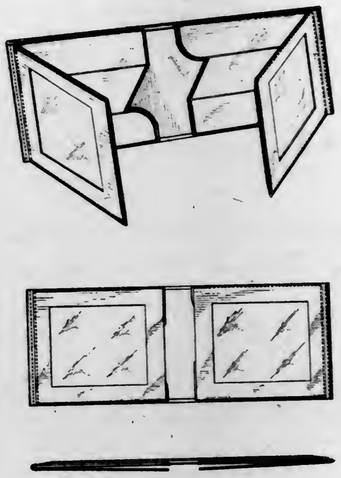
The ornamental design for a wallet, as shown and described.

137,726
DESIGN FOR A WALLET
Robert S. Berens, Brooklyn, N. Y.
Application March 17, 1944, Serial No. 112,936
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a wallet, as shown and described.

137,727
DESIGN FOR A WALLET
Robert S. Berens, Brooklyn, N. Y.
Application March 17, 1944, Serial No. 112,937
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a wallet, as shown and described.

137,728
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alfred Duhrssen, New York, N. Y.
Application January 27, 1944, Serial No. 112,344
Term of patent 3½ years
(Cl. D44—15)



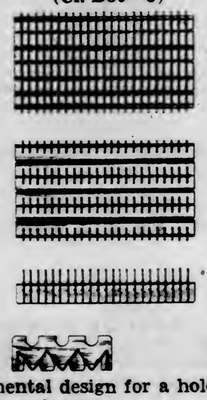
The ornamental design for a plate or similar article, substantially as shown.

137,729
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alfred Duhrssen, New York, N. Y.
Application January 27, 1944, Serial No. 112,346
Term of patent 3½ years
(Cl. D44—15)



The ornamental design for a plate or similar article, substantially as shown.

137,730
DESIGN FOR A HOLDER FOR LENSES
Samuel Galper, Jamaica, N. Y.
Application March 8, 1944, Serial No. 112,817
Term of patent 7 years
(Cl. D80—5)



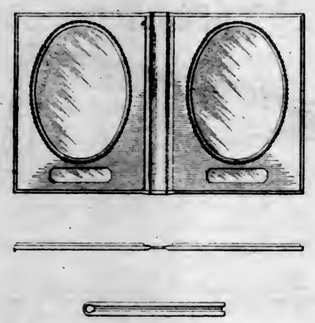
The ornamental design for a holder for lenses, substantially as shown.

137,731
DESIGN FOR A CLASP
Joseph T. Kirkland, San Francisco, Calif.
Application March 6, 1944, Serial No. 112,792
Term of patent 14 years
(Cl. D17—3)



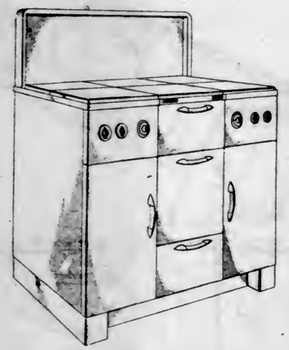
The ornamental design for a clasp, as shown.

137,732
DESIGN FOR A PICTURE ALBUM
Norman D. Mitchell, Chicago, Ill.
Application February 18, 1944, Serial No. 112,625
Term of patent 7 years
(Cl. D61—1)



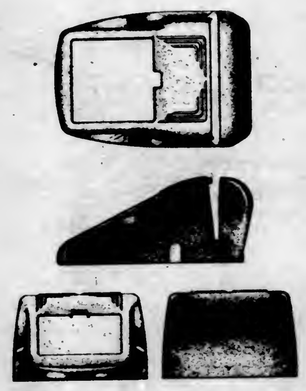
The ornamental design for a picture album, substantially as shown.

137,733
DESIGN FOR A KITCHEN RANGE
Charles J. Rogers, River Forest, Ill., assignor to Crown Stove Works, Chicago, Ill., a corporation of Illinois
Application February 2, 1944, Serial No. 112,408
Term of patent 14 years
(Cl. D81—4)



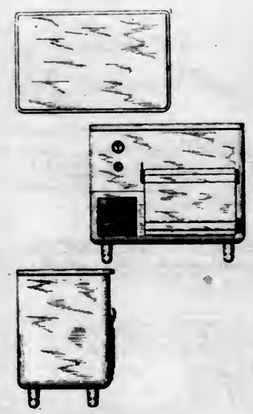
The ornamental design for a kitchen range, substantially as shown and described.

137,734
DESIGN FOR A CHECK WRITING MACHINE CASING
Merritt G. Stewart, Chicago, Ill.
Application March 3, 1944, Serial No. 112,777
Term of patent 14 years
(Cl. D74—1)



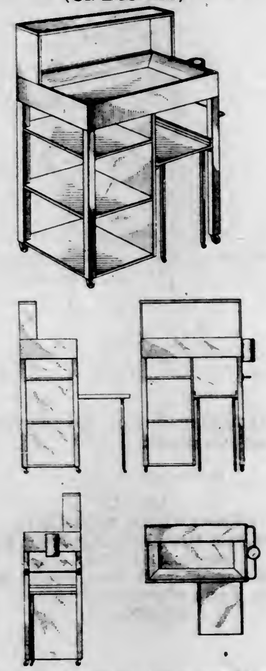
The ornamental design for a check writing machine casing, as shown.

137,735
DESIGN FOR A LOW TEMPERATURE CABINET
William S. Connell, Norwood Park Township, Cook County, Ill.
Application September 3, 1943, Serial No. 111,055
Term of patent 7 years
(Cl. D67—3)



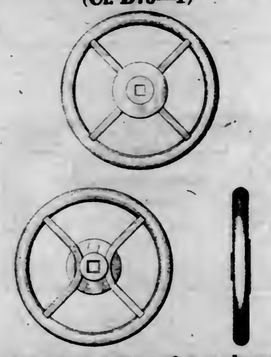
The ornamental design for a low temperature cabinet, as shown.

137,736
DESIGN FOR A COMBINATION BABY BATH TABLE AND DRESSING STAND
Katherine H. Morrey, Chicago, Ill.
Application September 15, 1943, Serial No. 111,132
Term of patent 14 years
(Cl. D33—14)



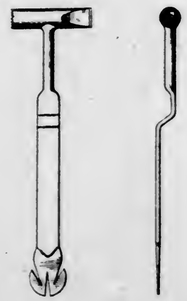
The ornamental design for a combination baby bath table and dressing stand, substantially as shown and described.

137,737
DESIGN FOR A HANDWHEEL FOR VALVES AND THE LIKE
Gates F. Parkin and Leslie A. Brown, Meriden, Conn., assignors to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application September 18, 1943, Serial No. 111,158
Term of patent 14 years
(Cl. D78—1)



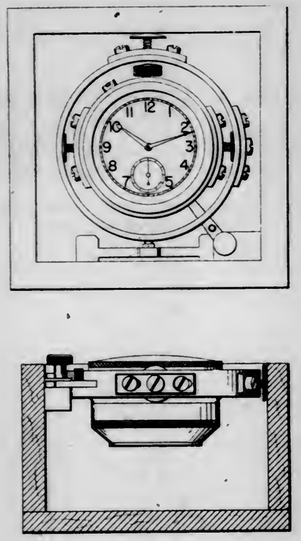
The ornamental design for a handwheel for valves and the like, as shown.

137,738
DESIGN FOR A SHINGLE ROOF PATCHING TOOL
Roy C. Bradley, Aguanga, Calif.
Application January 3, 1944, Serial No. 112,153
Term of patent 14 years
(Cl. D93—4)



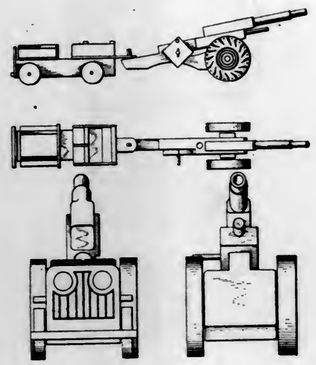
The ornamental design for a shingle roof patching tool, as shown.

137,739
DESIGN FOR A GIMBAL
Ernest William Drescher, Manheim Township, Lancaster County, Pa.
Application February 18, 1943, Serial No. 109,574
Term of patent 7 years
(Cl. D42—7)



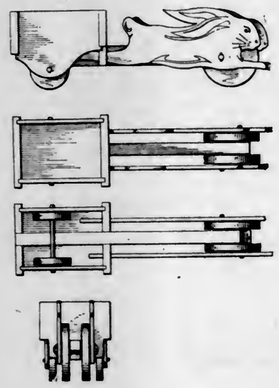
The ornamental design for a gimbal, as shown and described.

137,740
DESIGN FOR A WHEELED TOY
Robert C. Flynt, Winston-Salem, N. C., assignor to New Enterprises, Winston-Salem, N. C., a copartnership composed of Ursal K. Butler and Almina S. Butler
Application January 19, 1944, Serial No. 112,266
Term of patent 7 years
(Cl. D34—15)



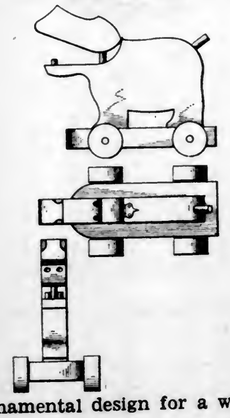
The ornamental design for a wheeled toy, as shown.

137,741
DESIGN FOR A WHEELED TOY
Robert C. Flynt, Winston-Salem, N. C., assignor to New Enterprises, Winston-Salem, N. C., a copartnership composed of Ursal K. Butler and Almina S. Butler
Application January 19, 1944, Serial No. 112,267
Term of patent 7 years
(Cl. D34—15)



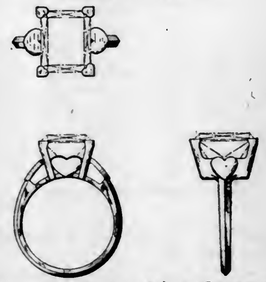
The ornamental design for a wheeled toy, as shown.

137,742
DESIGN FOR A WHEELED TOY
Robert C. Flynt, Winston-Salem, N. C.
Application January 28, 1944, Serial No. 112,357
Term of patent 3½ years
(Cl. D34—15)



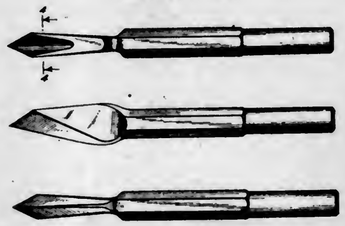
The ornamental design for a wheeled toy, as shown.

137,743
DESIGN FOR A FINGER RING
Hyman Frackman, New York, N. Y.
Application March 6, 1944, Serial No. 112,796
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring, substantially as shown.

137,744
DESIGN FOR A CHISEL
Gustav M. Gunderson, Duluth, Minn.
Application August 13, 1943, Serial No. 110,905
Term of patent 14 years
Cl. D54—13)



The ornamental design for a chisel, as shown.

137,745
DESIGN FOR A MEDALLION OR SIMILAR ARTICLE
Louis A. Koch, Upper Saddle River, N. J.
Application July 23, 1943, Serial No. 110,739
Term of patent 7 years
(Cl. D29—19)



The ornamental design for a medallion or similar article, as shown.

137,746
DESIGN FOR A COMBINED THERMOMETER AND BAROMETER OR THE LIKE
Benjamin E. Lawrence, Chicago, Ill.
Application August 28, 1943, Serial No. 111,008
Term of patent 7 years
(Cl. D52—7)



The ornamental design for a combined thermometer and barometer or the like, as shown.

137,747
DESIGN FOR A PIN OR SIMILAR ARTICLE
Arthur Gerald Leary, Mount Vernon, N. Y.
Application February 15, 1944, Serial No. 112,591
Term of patent 3½ years
(Cl. D45—19)



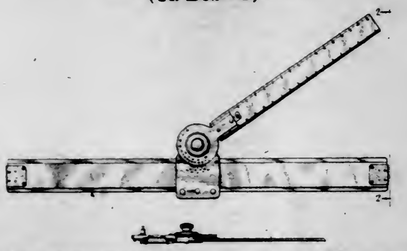
The ornamental design for a pin or similar article, substantially as shown.

137,748
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 24, 1944, Serial No. 113,022
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,749
DESIGN FOR A DRAFTING APPARATUS
William H. Murphy, Chicago, Ill.
Application February 12, 1944, Serial No. 112,553
Term of patent 14 years
(Cl. D52—1)



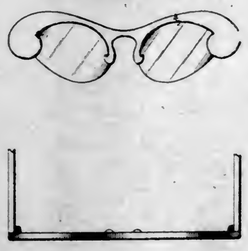
The ornamental design for a drafting apparatus, as shown.

137,750
DESIGN FOR A SCARECROW
Thomas Newhall, Lower Merion Township, Montgomery County, Pa.
Application February 17, 1944, Serial No. 112,605
Term of patent 7 years
(Cl. D1—2)



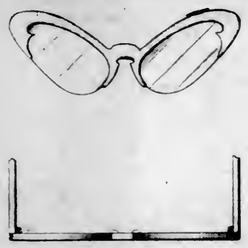
The ornamental design for a scarecrow, as shown.

137,751
DESIGN FOR A SPECTACLE FRAME
Eudice Rey, Brooklyn, N. Y., assignor to Zylo Ware Corporation, Long Island City, N. Y.
Application February 1, 1944, Serial No. 112,401
Term of patent 14 years
(Cl. D57—1)



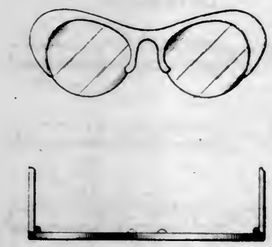
The ornamental design for a spectacle frame, as shown and described.

137,752
DESIGN FOR A SPECTACLE FRAME
Eudice Rey, Brooklyn, N. Y., assignor to Zylo Ware Corporation, Long Island City, N. Y.
Application February 1, 1944, Serial No. 112,402
Term of patent 14 years
(Cl. D57—1)



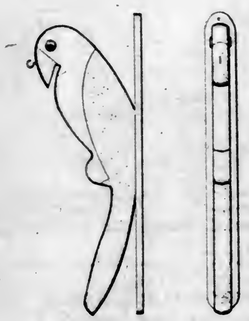
The ornamental design for a spectacle frame, as shown and described.

137,753
DESIGN FOR A SPECTACLE FRAME
Eudice Rey, Brooklyn, N. Y., assignor to Zylo Ware Corporation, Long Island City, N. Y.
Application February 1, 1944, Serial No. 112,403
Term of patent 14 years
(Cl. D57—1)



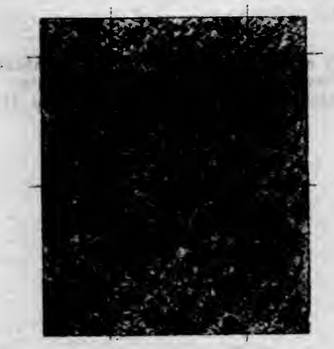
The ornamental design for a spectacle frame, as shown and described.

137,754
DESIGN FOR A SUPPORTING BRACKET
William R. Snyder, Galeton, Pa.
Application February 14, 1944, Serial No. 112,581
Term of patent 7 years
(Cl. D33—3)



The ornamental design for a supporting bracket, as shown.

137,755
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application March 13, 1944, Serial No. 112,891
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

137,756
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application March 13, 1944, Serial No. 112,892
Term of patent 3½ years
(Cl. D92—1)



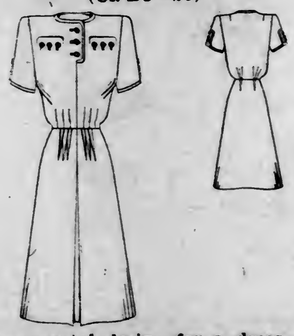
The ornamental design for a textile fabric, substantially as shown and described.

137,757
DESIGN FOR A BATHING SUIT
Emily Wilkens, New York, N. Y.
Application March 7, 1944, Serial No. 112,815
Term of patent 3½ years
(Cl. D3—17)



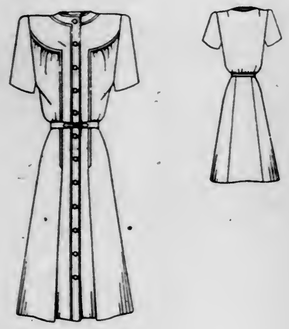
The ornamental design for a bathing suit, substantially as shown.

137,758
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application March 30, 1944, Serial No. 113,074
Term of patent 3½ years
(Cl. D3—26)



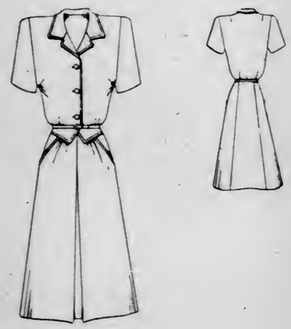
The ornamental design for a dress, substantially as shown.

137,759
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application March 30, 1944, Serial No. 113,077
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,760
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application March 30, 1944, Serial No. 113,078
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,761
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application March 30, 1944, Serial No. 113,079
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,762
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application March 30, 1944, Serial No. 113,080
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,763
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David D. Goldstein, Pittsburgh, Pa.
Application February 25, 1944, Serial No. 112,705
Term of patent 7 years
(Cl. D7—7)





The ornamental design for a shoe or similar article, as shown.

137,764
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David D. Goldstein, Pittsburgh, Pa.
Application February 25, 1944, Serial No. 112,706
Term of patent 7 years
(Cl. D7—7)





The ornamental design for a shoe or similar article, as shown.

137,765
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David D. Goldstein, Pittsburgh, Pa.
Application February 25, 1944, Serial No. 112,707
Term of patent 7 years
(Cl. D7—7)

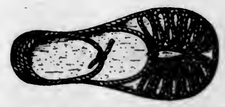




The ornamental design for a shoe or similar article, as shown.

137,766
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David D. Goldstein, Pittsburgh, Pa.
Application February 25, 1944, Serial No. 112,708
Term of patent 7 years
(Cl. D7—7)





The ornamental design for a shoe or similar article, as shown.

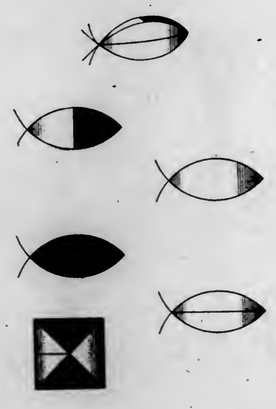
137,767
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David D. Goldstein, Pittsburgh, Pa.
Application February 25, 1944, Serial No. 112,709
Term of patent 7 years
(Cl. D7—7)





The ornamental design for a shoe or similar article, as shown.

137,768
DESIGN FOR A FISH DISPLAY DEVICE OR SIMILAR ARTICLE
Eugene C. Lehman and Lloyd W. Shirley, Minneapolis, Minn., assignors to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application February 9, 1942, Serial No. 105,720
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fish display device or similar article, as shown.

137,769
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 24, 1944, Serial No. 113,023
Term of patent 3½ years
(Cl. D3—26)



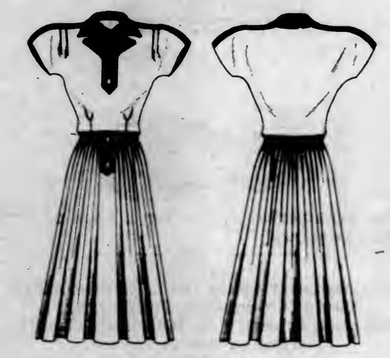
The ornamental design for a dress, substantially as shown.

137,770
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 24, 1944, Serial No. 113,024
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,771
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 24, 1944, Serial No. 113,025
Term of patent 3½ years
(Cl. D3—26)



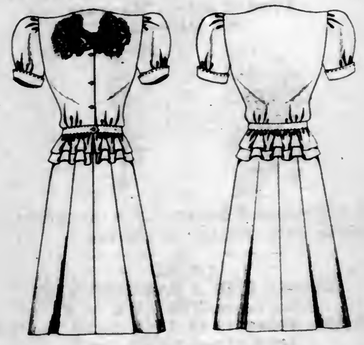
The ornamental design for a dress, substantially as shown.

137,772
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 24, 1944, Serial No. 113,026
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,773
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 24, 1944, Serial No. 113,027
Term of patent 3½ years
(Cl. D3—26)

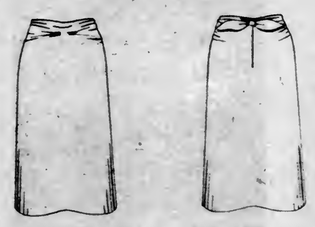


The ornamental design for a dress, substantially as shown.

137,774
DESIGN FOR A PIN OR SIMILAR ARTICLE
Harry Morris, Chicago, Ill.
Application March 20, 1944, Serial No. 112,962
Term of patent 7 years
(Cl. D45—19)

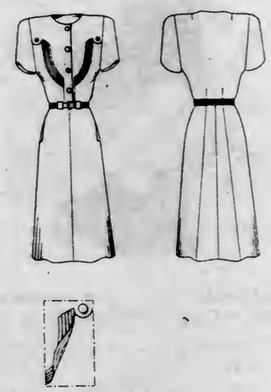
The ornamental design for a pin or similar article, substantially as shown.

137,775
DESIGN FOR A SKIRT
Joset Walker, New York, N. Y.
Application February 22, 1944, Serial No. 112,667
Term of patent 3½ years
(Cl. D3—26)



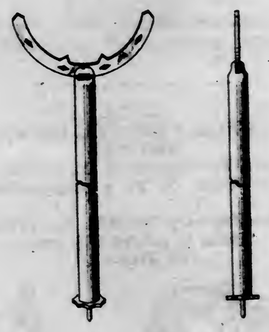
The ornamental design for a skirt, substantially as shown.

137,776
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 30, 1944, Serial No. 113,072
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

137,777
DESIGN FOR A DEVICE FOR ERECTING AND SUPPORTING POLES
Francis L. Collum, Allentown, Pa.
Application July 17, 1943, Serial No. 110,676
Term of patent 14 years
(Cl. D41—1)



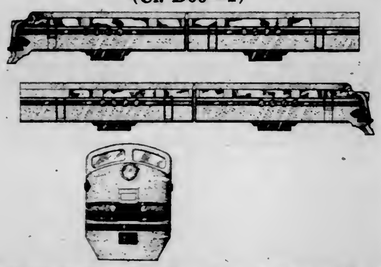
The ornamental design for a device for erecting and supporting poles, substantially as shown.

137,778
DESIGN FOR A COMBINED STROLLER AND PACKAGE CARRIER
Jesse E. Du Bois, Jackson Heights, N. Y.
Application August 6, 1943, Serial No. 110,847
Term of patent 14 years
(Cl. D14—14)



The ornamental design for a combined stroller and package carrier, substantially as shown.

137,779
DESIGN FOR A TWO-UNIT LOCOMOTIVE BODY
George A. Jergenson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 17, 1944, Serial No. 112,606
Term of patent 14 years
(Cl. D66—1)



The ornamental design for a two-unit locomotive body, substantially as shown and described.

137,780
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 26, 1944, Serial No. 112,324
Term of patent 3½ years
(Cl. D45—19)



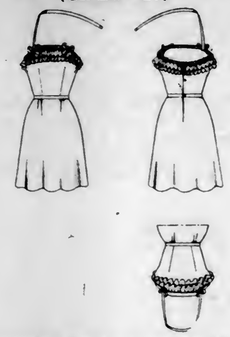
The ornamental design for a brooch or similar article, substantially as shown.

137,781
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 26, 1944, Serial No. 112,326
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

137,782
DESIGN FOR A BATHING SUIT
Tina Leser, New York, N. Y.
Application February 15, 1944, Serial No. 112,584
Term of patent 3½ years
(Cl. D3—17)



The ornamental design for a bathing suit, substantially as shown.

137,783
DESIGN FOR A TEXTILE FABRIC
Edward J. McLaughlin, New York, N. Y.
Application March 20, 1944, Serial No. 112,959
Term of patent 3½ years
(Cl. D92—1)



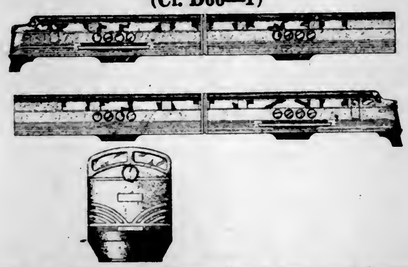
The ornamental design for a textile fabric, substantially as shown and described.

137,784
DESIGN FOR A BACK COMB
Robert Lester Motley, Dayton, Ohio
Application December 30, 1943, Serial No. 112,127
Term of patent 14 years
(Cl. D86—8)



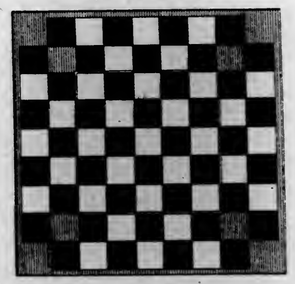
The ornamental design for a back comb, as shown.

137,785
DESIGN FOR A TWO-UNIT LOCOMOTIVE BODY
William D. Otter, Oak Park, and John Markestein, North Riverside, Ill., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 3, 1944, Serial No. 112,430
Term of patent 14 years
(Cl. D66—1)



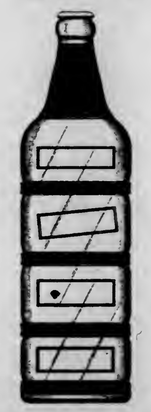
The ornamental design for a two-unit locomotive body, substantially as shown and described.

137,786
DESIGN FOR A GAME BOARD
Fred O. Paige, Philadelphia, Pa.
Application August 12, 1943, Serial No. 110,898
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, substantially as shown and described.

137,787
DESIGN FOR A BOTTLE
Philip Schwartz, Springfield, Mass.
Application November 4, 1943, Serial No. 111,590
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a bottle, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Rectal ointment. Serial No. 467,363; Apr. 25. Class 6.

Ampco Metal, Inc., Milwaukee, Wis. Wrought bronze shapes, forgings, ingots, etc. Serial No. 467,177; Apr. 25. Class 14.

Arneson Foundry, Incorporated, Kenosha, Wis. Unfinished iron and steel castings. Serial No. 461,599; Apr. 25. Class 14.

Associated Food Factors. (See Barr, Philip Francis.)

B. V. D. Corporation, The, Baltimore, Md. Cotton piece goods. Serial No. 466,968; Apr. 25. Class 42.

Badger Paper Company, Los Angeles, Calif. Toilet paper, waxed paper, cleansing tissue, etc. Serial No. 466,821; Apr. 25. Class 37.

Barr, Philip Francis, doing business as Associated Food Factors, New York, N. Y. Canned fruits and fruit juices; canned vegetables and vegetable juices, etc. Serial No. 454,051; Apr. 25. Class 46.

Bennahum, Muriel, New York, N. Y. Finger rings. Serial No. 467,264; Apr. 25. Class 28.

Big Jack Manufacturing Company, Inc., Bristol, Va. Men's and boys' overalls, men's work shirts, men's flannel shirts, etc. Serial No. 466,070; Apr. 25. Class 39.

Browning King & Co., Inc., Philadelphia, Pa. Ladies' and misses' suits and coats. Serial No. 467,557; Apr. 25. Class 39.

Burbey, John E., Kansas City, Mo. Game involving letter sequences. Serial No. 467,230; Apr. 25. Class 22.

Camac Co., The, Cambridge, Mass. Polish for furniture, floors, woodwork, etc. Serial No. 466,780; Apr. 25. Class 16.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 455,172; Apr. 25. Class 42.

Chasers, Inc., New York, N. Y. Candy. Serial No. 463,506; Apr. 25. Class 46.

Chicago Rubber Clothing Company, Racine, Wis. Storm coats. Serial No. 463,744; Apr. 25. Class 39.

Clark, Robert H., doing business as The Custom Company, Los Angeles, Calif. Shaving cream. Serial No. 463,244; Apr. 25. Class 4.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and outer shirts. Serial No. 457,432; Apr. 25. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts and underwear. Serial No. 467,513; Apr. 25. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. Serial No. 467,514; Apr. 25. Class 42.

Craighead, John R., Denver, Colo. Leather garment belts for ordinary wear. Serial No. 450,133; Apr. 25. Class 39.

Crown Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 464,156; Apr. 25. Class 42.

Crown Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 464,159; Apr. 25. Class 42.

Cuneo, John B., Brooklyn, N. Y. Religious and gift statues, statuettes, artificial flowers, etc. Serial No. 465,129; Apr. 25. Class 50.

Custom Company, The. (See Clark, Robert H.)

Darling, L. A., Company, Bronson, Mich. Fitting stools and movable merchandise display bins, etc. Serial No. 465,130; Apr. 25. Class 32.

Dayton Company, The, Minneapolis, Minn. Women's and misses' coats, dresses, suits, etc. Serial No. 466,571; Apr. 25. Class 39.

Dermetics, Inc., Seattle, Wash. Toilet preparations. Serial No. 455,648; Apr. 25. Class 6.

Dorr Company, The, New York, N. Y. Hindered settling hydraulic classifiers. Serial No. 467,270; Apr. 25. Class 23.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic chemicals. Serial No. 465,947; Apr. 25. Class 6.

Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. Serial Nos. 467,149-50; Apr. 25. Class 1.

Esquire, Inc., Chicago, Ill. Section or feature in a periodical publication. Serial No. 462,900; Apr. 25. Class 38.

Feldman, Meyer, doing business as Zephyr Venetian Blind Co., Tucson, Ariz. Venetian blinds. Serial No. 467,273; Apr. 25. Class 32.

Fertig, Philip, doing business as Hollywood "Al," New York, N. Y. Men's trousers. Serial 467,151; Apr. 25. Class 39.

Fuller, H. L., doing business as The Q-Vita Company, Kalamazoo, Mich. Vitamin preparations. Serial No. 466,076; Apr. 25. Class 6.

Garfinckel, Julius, & Co., Incorporated, Washington, D. C. Ladies', misses' and girls', suits, dresses, shirts, etc. Serial No. 466,788; Apr. 25. Class 39.

Ginola Medicine Company. (See Respondek, John E.)

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Heels, soles and half soles of rubber. Serial No. 465,319; Apr. 25. Class 39.

Gulf & West Indies Co., Inc., New York, N. Y. Chamois. Serial No. 458,097; Apr. 25. Class 1.

H. L. B. Corporation, New York, N. Y. Men's, women's, boys' and girls' leather sport coats and jackets. Serial No. 467,491; Apr. 25. Class 39.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Lead pencils, Serial No. 463,999; Apr. 25. Class 37.

Harrison, Robert, doing business as The Look of The Month Club, New York, N. Y. Pictorial prints. Serial No. 466,797; Apr. 25. Class 38.

Hartford Fire Insurance Company, Hartford, Conn. Loose leaf binder containing correlated questionnaires and application forms. Serial No. 417,575; Apr. 25. Class 37.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Candy. Serial No. 467,398; Apr. 25. Class 46.

Hollywood "Al." (See Fertig, Philip.)

Hospital Specialty Company, The, Cleveland, Ohio. Barber supplies. Serial No. 466,081; Apr. 25. Class 37.

Huttner, Max R., doing business as Tiricin Co., New York, N. Y. Vitamin tablets. Serial No. 467,317; Apr. 25. Class 6.

Indian Arts and Crafts Board, Washington, D. C. Canoes. Serial No. 466,493; Apr. 25. Class 19.

Industrial Rayon Corporation, Cleveland, Ohio. Rayon yarn. Serial No. 467,242; Apr. 25. Class 43.

Intoco Tobacco Corporation, New York, N. Y. Pipe tobacco. Serial No. 464,999; Apr. 25. Class 17.

Karp, Max, doing business as Valevista Ranch Co., Palmdale, Calif. Fresh cantaloupes, watermelons, pears, etc. Serial No. 463,871; Apr. 25. Class 46.

Kocher, Walter, New York, N. Y. Watches. Serial No. 466,306; Apr. 25. Class 27.

Kresge Dept. Stores Inc., Newark, N. J. Overcoats, coats, suits, etc. Serial No. 465,684; Apr. 25. Class 39.

Loewenstein, Hermann, New York, N. Y. Synthetic resin sheeting for shoe uppers. Serial No. 467,372; Apr. 25. Class 1.

Look of the Month Club, The. (See Harrison, Robert.)

Lyon Rural Electric Company, San Diego, Calif. Machine for trimming the upper beak of a fowl. Serial No. 466,996; Apr. 25. Class 44.

Manns & Wood, San Diego, Calif. Fresh vegetables. Serial No. 467,764; Apr. 25. Class 46.

Marsh, Edward E., doing business as Marsh's Nursery, Pasadena, Calif. Cucumber seeds. Serial No. 466,093; Apr. 25. Class 1.

Marsh's Nursery. (See Marsh, Frank E.)

Mauthner, Eric George Herbert, London, England. Rust removing preparations hot containing oil. Serial No. 467,163; Apr. 25. Class 6.

McLeod, Addie L., Savannah, Ga. Preparation for removing dandruff and for stimulating the growth of hair. Serial No. 466,508; Apr. 25. Class 6.

Murphy Chemical Corporation, New York, N. Y. Washing powders. Serial No. 466,947; Apr. 25. Class 4.

Nelson, Julius, Corp., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. Serial No. 463,853; Apr. 25. Class 39.

Nevada Celatom Co., Chicago, Ill. Poultry litter. Serial No. 466,456; Apr. 25. Class 1.

Nusrala-Bowen Shoe Co., Inc., St. Louis, Mo. Shoes. Serial No. 463,151; Apr. 25. Class 39.

Nutrition Research Laboratories, Chicago, Ill. Hydrophilic colloid in the form of a laxative medicinal wafer. Serial No. 467,497; Apr. 25. Class 6.

Ogush, William B., Inc., New York, N. Y. Jewelry for personal wear. Serial No. 467,463; Apr. 25. Class 28.

Originalities, New York, N. Y. Women's wallets. Serial No. 467,897; Apr. 25. Class 3.

Overby, Stanley, doing business as Stanley Overby Chair Company, Inglewood, Calif. Chairs. Serial No. 467,498; Apr. 25. Class 32.

Overby, Stanley, Chair Company. (See Overby, Stanley.)

Paraloy Co., The. (See Williamson, Fred E.)

Q-Vita Company, The. (See Fuller, H. L.)

Rambo & Regar, Inc., Norristown, Pa. Hosiery. Serial No. 467,738; Apr. 25. Class 39.

Respondek, John E., doing business as Ginola Medicine Company, Linwood Station, Detroit, Mich. Herb compound. Serial No. 466,016; Apr. 25. Class 6.

Rex-O-Graph, Inc., Milwaukee, Wis. Paper and supplies for duplicating machines. Serial No. 458,616; Apr. 25. Class 37.

Rex-O-Graph, Inc., Milwaukee, Wis. Supplies for duplicating machines. Serial No. 459,767; Apr. 25. Class 11.

Roosen, H. D., Company, The, Brooklyn, N. Y. Synthetic drying oils. Serial No. 465,514; Apr. 25. Class 16.

Royal Typewriter Company, Inc., New York, N. Y. Pocket-like holders. Serial No. 454,314; Apr. 25. Class 2.

S. V. H. Corporation, Chicago, Ill. Cuticle preparations. Serial No. 463,303; Apr. 25. Class 6.
Safety Cleansers Company, The. (See Wieneke, Eric F.)
Schwartz, B., & Co. (See Schwartz, William B.)
Schwartz, William B., doing business as B. Schwartz & Co., Philadelphia, Pa. Juvenile and boys' suits, sportcoats and outer wearing apparel. Serial No. 465,079; Apr. 25. Class 39.
Shane, C. B., Corporation, Chicago, Ill. Men's, boys', women's and girls' overcoats and topcoats. Serial No. 467,408; Apr. 25. Class 39.
Siegel, Jacob, Company, Philadelphia, Pa. Men's and young men's topcoats and overcoats. Serial No. 467,500; Apr. 25. Class 39.
Smith, Floyd N., doing business as Floyd N. Smith Co., Phoenix, Ariz. Fresh vegetables. Serial No. 467,077; Apr. 25. Class 46.
Smithken & Kleinman, New York, N. Y. Boys', girls' and children's coats, suits, coat and suit combinations, etc. Serial No. 467,623; Apr. 25. Class 39.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Spar varnishes. Serial No. 467,286; Apr. 25. Class 16.
Spiegel Neckwear Co., Inc., New York, N. Y. Men's neckties and scarfs. Serial No. 467,114; Apr. 25. Class 39.
Stahmann, D. F., doing business as Stahmann Farms, Las Cruces, N. Mex. Fresh melons and fresh vegetables. Serial No. 466,463; Apr. 25. Class 46.
Stahmann Farms. (See Stahmann, D. F.)
Stenor Incorporated, Stamford, Conn. Repair patches for inner tubes and casings, and rubber hose packing. Serial No. 465,699; Apr. 25. Class 35.
Surrette Storage Battery Co., Inc., Salem, Mass. Electrical storage batteries. Serial No. 455,832; Apr. 25. Class 21.
Taft Alloy Steel Company, Taft, Calif. Anchorage chains and chain links. Serial No. 462,956; Apr. 25. Class 13.
Tailored Silk Undergarment Co. Inc., New York, N. Y. Women's and misses' slips and nightgowns. Serial No. 467,474; Apr. 25. Class 39.
Tiricin Co. (See Huttner, Max R.)
Valevista Ranch Co. (See Karp, Max.)
Walker, Crosweller & Company Limited, Cheltenham, England. Gas-flow recorders and meters, pressure and vacuum recorders, etc. Serial No. 456,949; Apr. 25. Class 26.
Walker Industries. (See Walker, William Louis.)
Walker, William Louis, doing business as Walker Industries, San Francisco, Calif. Apparatus for electrolytic protection of boilers, water tanks, etc. Serial No. 464,493; Apr. 25. Class 21.
Wenatchee Valley Foods, Inc., North Wenatchee, Wash. Canned fruits and vegetables. 461,397; Apr. 25. Class 46.
Wesson Company, Ferndale, Mich. Spotfacers, counterbores, countersinks, etc. Serial No. 467,419; Apr. 25. Class 23.
Wheaton, D. L., Los Angeles, Calif. Identification tags. Serial No. 455,992; Apr. 25. Class 50.
Wieneke, Eric F., doing business as The Safety Cleansers Company, Saginaw, Mich. Soap and cleansing compound. Serial No. 467,583; Apr. 25. Class 4.
Williamson, Fred E., doing business as The Paraloy Co., Chicago, Ill. Phonograph needles. Serial Nos. 467,705–6; Apr. 25. Class 36.
Wilson Welder and Metals Co. Inc., New York, N. Y. Electric welding equipment for welding metals. Serial No. 467,630; Apr. 25. Class 21.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing and detergent material. Serial No. 466,132; Apr. 25. Class 4.
Zephyr Venetian Blind Co. (See Feldman, Meyer.)

LIST OF REGISTRANTS OF TRADE-MARKS

A & W Bulb Company, Inc., Clearwater, Fla. Cut flowers. 406,818; Apr. 25. Class 1.
Abbey Effervescent Salt Co., New York, N. Y., assignor to The Abbey Effervescent Salt Co., Montreal, Quebec, Canada. Dry chemical effervescent salt mixture. 180,634; renewed Mar. 4, 1944.
Abbey Effervescent Salt Company, Inc., New York, N. Y., assignor to The Abbey Effervescent Salt Co., Montreal, Quebec, Canada. Dry chemical mixture of health salt. 180,640; renewed Mar. 4, 1944.
Abbott Laboratories, North Chicago, Ill. Hypnotic, anesthetic, and sedative preparations in tablet form. 406,743; Apr. 25; Serial No. 438,563; published Nov. 25, 1941. Class 6.
Ackerlind Steel Company, New York, N. Y. Water hardening chrome-vanadium tungsten die steel. 406,784; Apr. 25; Serial No. 465,171; published Feb. 15, 1944. Class 14.
Ackerlind Steel Company, Inc., New York, N. Y. High carbon, high chrome, air-hardening tool steel. 406,785; Apr. 25; Serial No. 465,172; published Feb. 15, 1944. Class 14.
Acosta, Miguel B., doing business as House of "Lock-Tight," Los Angeles, Calif. Tie racks. 406,832; Apr. 25. Class 32.
Allison, Estelle V., New York, N. Y., to Estelle V. Allison, Burlingame, Calif. Dolls. 182,941; renewed Apr. 22, 1944.
American Bleached Goods Company, Inc. (See Kelsey Textile Corporation.)
American Burtonizing Company, and Wallerstein l. boratories, assignors to Wallerstein Company, Inc., New York, N. Y. Diastatic preparation. 187,814; renewed Aug. 12, 1944.
American Oil Company, The, Baltimore, Md. Anti-freezing liquids. 406,779; Apr. 25; Serial No. 465,097; published Feb. 8, 1944. Class 6.
Ams, Max, Inc., doing business as Pittsburg Importing and Manufacturing Company, New York, N. Y. Prune butter. 406,757; Apr. 25; Serial No. 463,114; published Feb. 1, 1944. Class 46.
Arden, Elizabeth, Sales Corporation. (See Lewis, Florence N., assignor.)
Arechabala, Jose, S. A., Cardenas, Matanzas Province, Cuba. Hard and soft candies and chewing gum. 406,821; Apr. 25. Class 46.
Asche-Bandor Corporation, New York, N. Y. Rum. 406,826; Apr. 25. Class 49.
Barrett, Moonan & Johnson Incorporated, New York, N. Y. Games employing playing boards and movable pieces. 406,763; Apr. 25; Serial No. 463,832; published Feb. 15, 1944. Class 22.
Barthels Manufacturing Company to Barthels Manufacturing Company, Inc., Glendale, N. Y., successor. Shoe laces, corset laces, and middy blouse laces. 186,921; renewed July 22, 1944.
Baeder Adamson Company, Boston, Mass., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Flint paper and flint cloth, garnet paper and garnet cloth. 181,075; renewed Mar. 11, 1944.
Beltone Hearing Aid Co., Chicago, Ill. Vacuum tube hearing aids. 406,809; Apr. 25; Serial No. 465,887; published Feb. 15, 1944. Class 44.
Berce, Woodbury L., Washburn, Maine. Potatoes. 406,766; Apr. 25; Serial No. 464,213; published Feb. 15, 1944. Class 46.
Bloss, Guy E., doing business as Universal Sanitary Products Co., Portland, Oreg. Mops. 406,823; Apr. 25. Class 29.
Bond, Charles, Company, Philadelphia, Pa. Loom pickers. 188,113; renewed Aug. 19, 1944.
Booth, F. E., Co., assignor to F. E. Booth Company, Inc., San Francisco, Calif. Canned fruits, canned vegetables, canned fish. 185,161; renewed June 10, 1944.
Bristol-Myers Company, New York, N. Y. Hand lotion. 406,797; Apr. 25; Serial No. 465,525; published Feb. 8, 1944. Class 6.
Bristol Company, The, Waterbury, Conn. Thermometer wells, and pens for recording instruments. 406,798; Apr. 25; Serial No. 465,613; published Feb. 15, 1944. Class 26.
Bristol Company, The, Waterbury, Conn. Thermal converters for use in measuring electrical power. 406,799; Apr. 25; Serial No. 465,616; published Feb. 15, 1944. Class 26.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling ball bags. 406,806; Apr. 25; Serial No. 465,794; published Feb. 15, 1944. Class 22.
Campañía Licorera de Cárdenas, S. A., Cárdenas, Matanzas, Cuba. Rum. 406,816; Apr. 25; T. M. No. 1,346 (Inter-Am. Series), May 25, 1943; 64,776 (Cuban); published Feb. 22, 1944. Class 49.
Canada Dry Ginger Ale, Inc., assignor, by mesne assignments, to Canada Dry Ginger Ale, Incorporated, New York, N. Y. Ginger ale. 187,710; renewed Aug. 12, 1944.
Casa Recalt, S. A., Habana, Cuba. Rum, brandy, gin, and whiskey. 406,752; Apr. 25; Serial No. 461,361; published Nov. 16, 1943. Class 49.
Celotex Corporation, The, Chicago, Ill. Paint roof coatings, etc. 406,746; Apr. 25; Serial No. 450,064; published Feb. 15, 1944. Class 16.
Chain Belt Company, Milwaukee, Wis. Sprocket, drive, conveying, and power-transmission chains. 184,149–50; renewed May 20, 1944.
Chrysler Corporation, Highland Park, Mich. Trade journal. 406,753; Apr. 25; Serial No. 461,540; published Feb. 8, 1944. Class 38.
Cohn-Hall-Marx Co., New York, N. Y. Cotton piece goods. 187,081–2; renewed July 29, 1944.
Colgate & Company, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Face powder and rouge in compact form. 188,434; renewed Aug. 26, 1944.

Colgate-Palmolive-Peet Company. (See Colgate & Company, assignor.)
Columbia Varnish Company, Los Angeles, Calif. Ready-mixed and paste paints, varnishes, undercoaters, etc. 187,437; renewed Aug. 5, 1944.
Compania de Destilerias Internationales, Inc., Bayamon, P. R. Rum. 406,781; Apr. 25; Serial No. 465,125; published Feb. 15, 1944. Class 49.
Compañía Swift de La Plata Sociedad Anonima, Buenos Aires, Argentina. Corned beef, brisket beef, ox tongues, etc. 406,820; Apr. 25. Class 46.
Conti Products Corporation, Brooklyn, N. Y. Soap. 406,830; Apr. 25. Class 4.
Cooley, Leonore B., New York, N. Y. Women's petticoats, panties, and combination petticoats and panties. 406,780; Apr. 25; Serial No. 465,102; published Feb. 15, 1944. Class 39.
Corinthia, Inc. (See Lustrite Corporation, The, assignor.)
Crown Products Company. (See Weinrich, A. F., assignor.)
Dandro Company, Inc., Brooklyn, N. Y. Soothing skin ointment. 406,775; Apr. 25; Serial No. 464,915; published Feb. 8, 1944. Class 6.
Deltox Grass Rug Company, assignor to Deltox Rug Company, Oshkosh, Wis. Wool-fiber rugs. 187,748; renewed Aug. 12, 1944.
Deltox Grass Rug Company, assignor to Deltox Rug Company, Oshkosh, Wis. Fiber rugs. 187,749; renewed Aug. 12, 1944.
Deltox Rug Company. (Se Deltox Grass Rug Company, assignor.)
Denver Dry Goods Company, The, Denver, Colo. Men's hats. 186,650–2; renewed July 22, 1944.
Dern Food Company, The, Colorado Springs, Colo., by change of name to The Dern Company. Coffee. 182,471; renewed Apr. 8, 1944.
Dewey, Henry A., Company, Inc., New York, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Wood stains, fillers, dry colors, etc. 183,504; renewed Apr. 29, 1944.
Dill & Collins Co., to Dill and Collins Incorporated, Philadelphia, Pa., successor. Surface coated and uncoated printing and writing papers. 180,595; renewed Mar. 4, 1944.
Dill and Collins Incorporated. (See Dill & Collins Co.)
Donnybrook Coat and Suit Co., New York, N. Y. Ladies' and misses' coats, suits, jackets, and skirts. 406,768; Apr. 25; Serial No. 464,504; published Feb. 15, 1944.
Duotone Company, New York, N. Y. Phonograph needles. 406,790; Apr. 25; Serial No. 465,418; published Feb. 15, 1944. Class 36.
Du Pont, E. I., de Nemours and Company. (See Dewey, Henry A., Company, Inc., assignor.)
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic papers. 406,750; Apr. 25; Serial No. 459,402; published Feb. 15, 1944. Class 26.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Materials for use in industrial photography. 406,760; Apr. 25; Serial No. 463,646; published Feb. 15, 1944. Class 16.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Albums, blotting paper, pencils, etc. 406,762; Apr. 25; Serial No. 463,812; published Feb. 15, 1944. Class 37.
Elliot, David J. (See Elliot, James F.)
Elliot, James F., doing business as Stillwater Orchards Co., to David J. Elliot, doing business as Stillwater Orchards Co., Courtland, Calif., successor. Fresh deciduous fruits. 180,060; renewed Feb. 19, 1944.
Elodia Dress Corp., New York, N. Y. Dresses. 406,791; Apr. 25; Serial No. 465,453; published Feb. 15, 1944. Class 39.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 406,810; Apr. 25; Serial No. 465,899; published Feb. 15, 1944. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 406,811–13; Apr. 25; Serial Nos. 465,902–4; published Feb. 15, 1944. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 406,814; Apr. 25; Serial No. 465,912; published Feb. 15, 1944. Class 38.
Flannocrat Mfg. Co., Inc., assignor to Rugby Knitting Mills, Inc., Buffalo, N. Y. Flannel and cotton workshirts. 185,769; renewed June 24, 1944.
Furniture Sales Service Corporation, Chicago, Ill. Blank forms. 406,744; Apr. 25; Serial No. 443,001; published Feb. 15, 1944. Class 37.
Gaby Company, Philadelphia, Pa. Insect repellents. 406,756; Apr. 25; Serial No. 462,992; published Feb. 8, 1944. Class 6.
Garod Electronics Corporation, New York and Brooklyn, N. Y. Phonograph needles. 406,793; Apr. 25; Serial No. 465,474; published Feb. 15, 1944. Class 36.
Geiger, Louis, Inc., New York, N. Y. Ladies' and girls' playsuits and sportswear. 406,787; Apr. 25; Serial No. 465,257; published Feb. 8, 1944. Class 39.
General Dyestuff Corporation. (See Grasselli Chemical Company, The, assignor.)
General Mills, Inc. (See Martens, Otto, assignor.)
General Mills, Inc. (See Star Milling Company, assignor.)
General Mills, Inc. (See Washburn-Crosby Company, assignor.)
General Paint Corporation. (See Rasmussen & Co., assignor.)
Georgia Hardwood Lumber Company, Augusta, Ga. Periodical publication. 406,767; Apr. 25; Serial No. 464,436; published Feb. 8, 1944. Class 38.
Glendora Lemon Growers Association, Glendora, Calif. Fresh lemons. 188,211–12; renewed Aug. 19, 1944.
Gradiaz, Annis & Co., Inc. (See Sanchez & Haya Co., assignor.)
Grasselli Chemical Company, The, Cleveland, Ohio, assignor, by mesne assignments, to General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 180,180; renewed Feb. 26, 1944.
Harum, David, Canning Co., Inc., Homer, N. Y. Canned vegetables. 188,227–8; renewed Aug. 19, 1944.
Hearst Magazines Inc., New York, N. Y. Magazine. 406,782; Apr. 25; Serial No. 465,138; published Feb. 8, 1944. Class 38.
Hill Manufacturing Company, Atlanta, Ga. Preparation for repelling and killing moths, larvae, etc. 406,777; Apr. 25; Serial No. 464,994; published Feb. 9, 1944. Class 6.
Hills Brothers Company, The, New York, N. Y. Canned grapefruit. 186,799; renewed July 22, 1944.
House of "Lock-Tight." (See Acosta, Miguel B.)
Hudnut, Richard. (See Wright, Alfred, Perfumer, Inc., assignor.)
International Elevator Company, Minneapolis, Minn. Poultry and livestock feeds. 406,754; Apr. 25; Serial No. 462,542; published Dec. 14, 1943. Class 46.
James Manufacturing Company, Fort Atkinson, Wis. Incubator and hatcher. 406,819; Apr. 25. Class 50.
Johnson, J. Oliver, Inc., assignor to J. Oliver Johnson Seed Company, Chicago, Ill. Sheep manure, poultry manure, and cattle manure. 188,352; renewed Aug. 26, 1944.
Johnson, J. Oliver, Seed Company. (See Johnson, J. Oliver, Inc., assignor.)
Kelsey Textile Corporation, New York, N. Y., by change of name to American Bleached Goods Company, Inc. Cotton piece goods. 185,640; renewed June 24, 1944.
Lander Co., Inc., New York, N. Y. Perfumes and toilet waters. 406,794; Apr. 25; Serial No. 465,479; published Feb. 8, 1944. Class 6.
Larco Diamond Tools, New York, N. Y. Diamond tools. 406,774; Apr. 25; Serial No. 464,858; published Feb. 8, 1944. Class 23.
Larkin Co. Inc., assignor to Larkin Store Corporation, Buffalo, N. Y. Soap, polishes, washing tablets, etc. 180,882; renewed Mar. 11, 1944.
Larkin Store Corporation. (See Larkin Co. Inc., assignor.)
Lebow Brothers, Baltimore, Md. Men's suits and topcoats. 406,800; Apr. 25; Serial No. 465,628; published Feb. 8, 1944. Class 39.
Leeds and Northrup Company, Philadelphia, Pa. Trade journal or publication. 406,792; Apr. 25; Serial No. 465,460; published Feb. 1, 1944. Class 38.
Lewis, Florence N., assignor, by mesne assignments, to Elizabeth Arden Sales Corporation, New York, N. Y. Educational appliances sold as units or sets. 185,807; renewed June 24, 1944.
Lightfoot Schultz Co., New York, N. Y. Toilet soaps. 406,802; Apr. 25; Serial No. 465,757; published Feb. 15, 1944. Class 4.
Lightfoot Schultz Co., New York, N. Y. Toilet soaps. 406,803–4; Apr. 25; Serial Nos. 465,759–60; published Feb. 15, 1944. Class 4.
Lloyd, Burt E., Milford, Pa. Trouser and clothes hangers. 406,776; Apr. 25; Serial No. 464,922; published Feb. 15, 1944. Class 50.
Lord-Mott Co. (See Roberts, Roy E.)
Lustrite Corporation, The, Brooklyn, assignor, by mesne assignments, to Corinthia, Inc., New York, N. Y. Cuticle ointment or salve. 182,642; renewed Apr. 15, 1944.
Martens, Otto, San Francisco, Calif., assignor to General Mills, Inc., Minneapolis, Minn. Confections. 183,344; renewed Apr. 29, 1944.
Martinez, Pete, & Bros., Guadalupe, Calif. Fresh vegetables. 406,805; Apr. 25; Serial No. 465,761; published Feb. 15, 1944. Class 46.
McClellan, E. W., Co., San Francisco, Calif. Natural flowers. 406,817; Apr. 25. Class 1.
McCrory Stores Corporation, New York, N. Y. Wrappers. 406,745; Apr. 25; Serial No. 447,341; published Feb. 17, 1942. Class 37.
Metasap Chemical Company, Harrison, N. J. Polyvalent metal soaps. 406,769; Apr. 25; Serial No. 464,655; published Feb. 8, 1944. Class 6.
Minnesota Mining & Manufacturing Company. (See Baeder Adamson Company, assignor.)
Modmexic Guild. (See Roditi, D., Sons, Inc.)
Moore-Lowry Flour Mills Company, The, Wichita and Kansas City, Kans., and Kansas City, to The Moore-Lowry Flour Mills Company, Kansas City, Mo. Wheat flour. 188,114–5; renewed Aug. 19, 1944.
Mountain City Mill Co., Inc., Chattanooga, Tenn. Flour. 188,519; renewed Aug. 26, 1944.
National Newspaper Service, Chicago, Ill. Newspaper comic strips. 406,755; Apr. 25; Serial No. 462,590; published Feb. 1, 1944. Class 38.

National Oil Products Company, Harrison, N. J. Sulfonated red oil having a general use in the industrial arts. 406,770; Apr. 25; Serial No. 464,660; published Feb. 8, 1944. Class 6.
National Oil Products Company, Harrison, N. J. Sulfonated castor oil, etc. 406,771; Apr. 25; Serial No. 464,662; published Feb. 8, 1944. Class 6.
National Oil Products Company, Harrison, N. J. Leather sponging compound. 406,772; Apr. 25; Serial No. 464,665; published Feb. 15, 1944. Class 4.
National Oil Products Company, Harrison, N. J. Sulfonated vegetable oil, etc. 406,773; Apr. 25; Serial No. 464,667; published Feb. 8, 1944. Class 6.
New Castle Grocery Co., assignor to New Castle Grocery Co., New Castle, Pa. Canned vegetables, canned fruits, canned berries, etc. 188,252; renewed Aug. 19, 1944.
Northeastern Liquor Corp., assignor to Ron Virgin Company, Ltd., Cambridge, Mass. Whiskey. 406,827; Apr. 25. Class 49.
Orloff, Nicholas, assignor to Jean Vivaudou Company, Inc., New York, N. Y. Beauty creams, cold creams, cleansing creams, etc. 406,748; Apr. 25; Serial No., 457,045; published Feb. 8, 1944. Class 6.
Owl Drug Co., The. (See Owl Drug Company, assignor.)
Owl Drug Company, assignor, by mesne assignments, to The Owl Drug Co., San Francisco, Calif. Soap, ivory polish, glove cleaner, etc. 181,912; renewed Apr. 1, 1944.
Panther-Panco Rubber Co. (See Panther Rubber Company, assignor.)
Panther Rubber Manufacturing Company, Stoughton, assignor to Panther-Panco Rubber Co., Inc., Chelsea, Mass. Rubber heels and soles. 184,932–3; renewed June 3, 1944.
Pittsburgh Importing and Manufacturing Company. (See Ams, Max, Inc.)
Plane Facts, Inc., New York, N. Y. Instruction game comprising photographs and silhouettes. 406,825; Apr. 25. Class 22.
Plunkett Chemical Company. (See Plunkett, W. H.)
Plunkett Trust. (See Plunkett, W. H., assignor.)
Plunkett, W. H., doing business as Plunkett Chemical Company, assignor to Plunkett Trust, Chicago, Ill. Disinfectant. 406,747; Apr. 25; Serial No. 450,687; published Feb. 8, 1944. Class 6.
Priestley, B., & Co., Inc., New York, N. Y. Cloths and piece goods of woolen, worsted, mohair, etc. 180,922–3; renewed Mar. 11, 1944.
Rahm Instruments, Inc., New York, N. Y. Electric recording units, etc. 406,758; Apr. 25; Serial No. 463,278; published Feb. 15, 1944. Class 26.
Rasmussen & Co., Portland, Oreg., assignor to General Paint Corporation, San Francisco, Calif. Lubricating oils and lubricants. 188,996; renewed Sept. 9, 1944.
Reichel Laboratories, Inc., Philadelphia, Pa., assignor to Wyeth Incorporated. Allergens. 406,796; Apr. 25; Serial No. 465,512; published Feb. 8, 1944. Class 6.
Roberts, Roy E., doing business as Lord-Mott Co., assignor to Lord-Mott Company, Inc., Baltimore, Md. Canned fruits and vegetables. 188,102; renewed Aug. 19, 1944.
Roditi, D., Sons. Inc., doing business as Modmexic Guild, New York, N. Y. Imported Mexican pottery, etc. 406,751; Apr. 25; Serial No. 459,604; published Feb. 15, 1944. Class 30.
Roe, William G., Winter Haven, Fla. Fresh citrous fruits. 188,274; renewed Aug. 19, 1944.
Ron Virgin Company, Ltd. (See Northeastern Liquor Corp., assignor.)
Ross-Tacony Crucible Co., Tacony, Philadelphia, Pa. Refractory crucibles and their parts. 182,211; renewed Apr. 1, 1944.
Rossetti, Philip E., Los Angeles, Calif. Fresh avocadoes. 406,815; Apr. 25; Serial No. 465,960; published Feb. 15, 1944. Class 46.
Roush, Garnet. (See Springsteen Medicine Company, The, assignor.)
Rugby Knitting Mills, Inc. (See Flannocrat Mfg. Co., Inc., assignor.)
Rugby Knitting Mills, assignor to Rugby Knitting Mills, Inc., Buffalo, N. Y. Knitted bathing suits and underwear for men, women, and children. 188,055; renewed Aug. 19, 1944.
Russell Manufacturing Company, The, Middletown, Conn. Brake-lining for automobile brakes. 406,761; Apr. 25; Serial No. 463,798; published Feb. 15, 1944. Class 35.
Sanchez & Haya Co., assignor to Gradias, Annis & Co., Inc., Tampa, Fla. Cigars. 187,714; renewed Aug. 12, 1944.
Sanchez Romate Hermanos, S. A., Jeres De La Fronters, Spain. Wines. 406,759; Apr. 25; Serial No. 463,465; published Feb. 1, 1944. Class 47.
Saveria, F. J., doing business as F. J. Saveria Co., Watsonville, Calif. Fresh deciduous fruits and vegetables. 406,778; Apr. 25; Serial No. 465,948; published Feb. 15, 1944. Class 46.
Saveria, F. J., Co. (See Saveria, F. J.)
Schaffer's Garage Equipment Corp., Woodside, Long Island, N. Y. Automotive supplies. 406,831; Apr. 25. Class 4.
Shane, C. B., Corporation, Chicago, Ill. Overcoats and topcoats. 406,807; Apr. 25; Serial No. 465,831; published Feb. 15, 1944. Class 39.
Sid-Wil Products, New York, N. Y. Commercial prints, drawings and art layouts. 406,783; Apr. 25; Serial No. 465,154; published Feb. 15, 1944. Class 38.
Smith, James, & Son (Redditch) Ltd., Redditch, England. Pins and needles. 185,340; renewed June 10, 1944.
Socony-Vacuum Oil Company, Incorporated. (See Standard Oil Company of New York.)
Southern Advance Bag & Paper Co., Inc., Bangor, Maine, and Boston, Mass. Paper bags. 406,828–9; Apr. 25. Class 2.
Springsteen Medicine Company, The, Cleveland, assignor to Garnet Roush, doing business as Springsteen Medicines, Amherst, Ohio. Remedies for diseases of the blood, skin, scalp, etc. 24,599; re-renewed Apr. 24, 1944.
Springsteen Medicines. (See Springsteen Medicine Company.)
Standard Distillers Products Incorporated, Baltimore, Md. Wines. 406,765; Apr. 25; Serial No. 464,116; published Feb. 1, 1944. Class 47.
Standard Oil Company of New York, New York, N. Y., by change of name to Socony-Vacuum Oil Company, Incorporated. Petroleum and products, etc. 184,970; renewed June 3, 1944.
Stanley Work, The, New Britain, Conn. Vises, bit braces, breast drills, etc. 188,254; renewed Aug. 19, 1944.
Star Milling Company, assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour. 184,129; renewed May 20, 1944.
States Company, The, Hartford, Conn. Resistance units and boxes and frames. 187,444; renewed Aug. 5, 1944.
Stein, Hall Manufacturing Company, Chicago, Ill. Precooked beans sold in dried form. 406,749; Apr. 25; Serial No. 457,663; published Feb. 15, 1944. Class 46.
Stillwater Orchards Co. (See Elliott, James F.)
Stipp, Ernest V., Waterloo, Iowa. Scripts. 406,764; Apr. 25; Serial No. 463,960; published Feb. 1, 1944. Class 38.
Swift and Company, Chicago, Ill. Gelatin. 406,808; Apr. 25; Serial No. 465,879; published Feb. 15, 1944. Class 46.
Tel-A-Frend Hosiery Company, Philadelphia, Pa. Ladies' full fashioned silk, nylon, and rayon hosiery. 406,801; Apr. 25; Serial No. 465,641; published Feb. 8, 1944. Class 39.
Tilley, John S., Ladders Co., Inc., The, Watervliet, N. Y. Ladders. 187,686; renewed Aug. 12, 1944.
Topps Hosiery, Inc., New York, N. Y. Socks. 406,786; Apr. 25; Serial No. 465,236; published Feb. 15, 1944. Class 39.
Tribune Company, Chicago, Ill. Weekly magazine supplement. 180,295; renewed Feb. 26, 1944.
Tribune Company, Chicago, Ill. Newspaper column. 406,795; Apr. 25; Serial No. 465,492; published Feb. 1, 1944. Class 38.
Universal Sanitary Products Co. (See Bloss, Guy E.)
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation for the treatment of infectious conditions. 406,789; Apr. 25; Serial No. 465,376; published Feb. 8, 1944. Class 6.
Vivaudou, Jean, Company, Inc. (See Orloff, Nicholas W., assignor.)
Wallerstein Company, Inc. (See American Burtonizing Company.)
Wallerstein Laboratories. (See American Burtonizing Company.)
Warner & Stewart, Yuma, Ariz. Fresh vegetables and melons. 406,824; Apr. 25. Class 46.
Washburn Crosby Company, assignor to General Mills, Inc., Minneapolis, Minn. Stock and poultry feed. 187,246; renewed July 29, 1944.
Weber Knit Sportswear, Inc., New York, N. Y. Women's, ladies' and girls' knitted sportswear. 406,788; Apr. 25; Serial No. 465,278; published Feb. 15, 1944. Class 39.
Weinrich, A. F., doing business as Weinrich Pickle Co., assignor, by mesne assignments, to Crown Products Company, Los Angeles, Calif. Pickles. 188,267; renewed Aug. 19, 1944.
Weinrich Pickle Co. (See Weinrich, A. F.)
Wilbur-Suchard Chocolate Company, Inc., Borough of Lititz, Pa. Dehydrated chocolate flavored syrup. 406,822; Apr. 25. Class 46.
Wright, Alfred, Perfumer, Inc., assignor to Richard Hudnut, New York, N. Y. Liquid perfume and sachet powders. 188,428; renewed Aug. 26, 1944.
Wróblewski, David, New York, to Stefan Wróblewski, Brooklyn, N. Y. Preparation for stomach and intestinal conditions. 187,499; renewed Aug. 5, 1944.
Wróblewski, Stefan. (See Wróblewski, David.)
Wyeth Incorporated. (See Reichel Laboratories, Inc., assignor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Flowers, Cut. A & W Bulb Company. 406,818; Apr. 25.
Flowers, Natural. E. W. McClellan Co. 406,817; Apr. 25.

CLASS 2

Bags, Paper. Southern Advance Bag & Paper Co. 406,828–9; Apr. 25.

CLASS 4

Automotive supplies. Schaffer's Garage Equipment Corp. 406,831; Apr. 25.
Flint paper and flint cloth, garnet paper and garnet cloth, etc. Baeder Adamson Company. 181,075; renewed Mar. 11, 1944.
Leather sponging compound. National Oil Products Company. 406,772; Apr. 25; Serial No. 464,665; published Feb. 15, 1944.
Soap. Conti Products Corporation. 406,830; Apr. 25.
Soap, ivory polish, glove cleaner, etc. Owl Drug Company. 181,912; renewed Apr. 1, 1944.
Soap, polishes, washing tablets, etc. Larkin Co. Inc. 180,882; renewed Mar. 11, 1944.
Soaps, Toilet. Lightfoot Schultz Co. 406,802; Apr. 25; Serial No. 465,757; published Feb. 15, 1944.
Soaps, Toilet. Lightfoot Schultz Co. 406,803–4; Apr. 25; Serial Nos. 465,759–60; published Feb. 15, 1944.

CLASS 6

Allergens. Reichel Laboratories, Inc. 406,796; Apr. 25; Serial No. 465,512; published Feb. 8, 1944.
Anti-freezing liquids. The American Oil Company. 406,779; Apr. 25; Serial No. 465,097; published Feb. 8, 1944.
Chemical effervescent salt mixture, Dry. Abbey Effervescent Salt Co. 180,634; renewed Mar. 4, 1944.
Chemical mixture of health salt, Dr. Abbey Effervescent Salt Company. 180,640; renewed Mar. 4, 1944.
Creams, cold creams, cleansing creams, etc., Beauty. N. W. Orloff. 406,748; Apr. 25; Serial No. 457,045; published Feb. 8, 1944.
Cuticle ointment or salve. Lustrite Corporation. 182,642; renewed Apr. 15, 1944.
Diastatic preparation. American Burtonizing Company and Wallerstein Laboratories. 187,814; renewed Aug. 12, 1944.
Disinfectant. W. H. Plunkett. 406,747; Apr. 25; Serial No. 450,687; published Feb. 8, 1944.
Dyes and dyestuffs. Grasselli Chemical Company. 180,180; renewed Feb. 26, 1944.
Hypnotic, anesthetic, and sedative preparations in tablet form. Abbott Laboratories. 406,743; Apr. 25; Serial No. 438,563; published Nov. 25, 1941.
Insect repellents. Gaby Company. 406,756; Apr. 25; Serial No. 462,992; published Feb. 8, 1944.
Lotion, Hand. Bristol-Myers Company. 406,797; Apr. 25; Serial No. 465,525; published Feb. 8, 1944.
Medicinal preparation for the treatment of infectious conditions. The Upjohn Company. 406,789; Apr. 25; Serial No. 465,376; published Feb. 8, 1944.
Ointment, Soothing skin. Dandro Company. 406,775; Apr. 25; Serial No. 464,915; published Feb. 8, 1944.
Perfume and sachet powders, Liquid. Alfred Wright Perfumer, Inc. 188,428; renewed Aug. 26, 1944.
Perfumes and toilet waters. Lander Co. Inc. 406,794; Apr. 25; Serial No. 465,479; published Feb. 8, 1944.
Powder and rouge, in compact form, Face. Colgate & Company. 188,434; renewed Aug. 26, 1944.
Preparation for repelling and killing moths, larvae, etc. Hill Manufacturing Company. 406,777; Apr. 25; Serial No. 464,994; published Feb. 8, 1944.
Preparation for stomach and intestinal conditions. D. Wróblewski. 187,499; renewed Aug. 5, 1944.
Remedies for diseases of the blood, skin, scalp, etc. Springsteen Medicine Company. 24,599; re-renewed Apr. 24, 1944.
Soaps, Polyvalent metal. Metasap Chemical Company. 406,769; Apr. 25; Serial No. 464,655; published Feb. 8, 1944.
Sulfonated castor oil, etc. National Oil Products Company. 406,771; Apr. 25; Serial No. 464,662; published Feb. 8, 1944.
Sulfonated red oil having a general use in the industrial arts. National Oil Products Company. 406,770; Apr. 25; Serial No. 464,660; published Feb. 8, 1944.
Sulfonated vegetable oil, etc. National Oil Products Company. 406,773; Apr. 25; Serial No. 464,667; published Feb. 8, 1944.

CLASS 10

Manure, poultry manure, and cattle manure. Sheep. J. Oliver Johnson, Inc. 188,352; renewed Aug. 26, 1944.

CLASS 13

Sprocket, drive, conveying and power-transmission chains. Chain Belt Company. 184,149–50; renewed May 20, 1944.

CLASS 14

Die steel, Water hardening chrome-vanadium tungsten. Ackerlind Steel Company. 406,784; Apr. 25; Serial No. 465,171; published Feb. 15, 1944.
Tool steel, High carbon, high chrome, air-hardening. Ackerlind Steel Company. 406,785; Apr. 25; Serial No. 465,172; published Feb. 15, 1944.

CLASS 15

Oils and lubricants, Lubricating. Rasmussen & Co. 188,996; renewed Sept. 9, 1944.
Petroleum and products, etc. Standard Oil Company of New York. 184,970; renewed June 3, 1944.

CLASS 16

Paint roof coatings. Celotex Corporation. 406,746; Apr. 25; Serial No. 450,064; published Feb. 15, 1944.
Paints, varnishes, undercoaters, etc., Ready-mixed and paste. Columbia Varnish Company. 187,437; renewed Aug. 5, 1944.
Photography, Materials for use in industrial. Eastman Kodak Company. 406,760; Apr. 25; Serial No. 463,646; published Feb. 15, 1944.
Stains, fillers, dry colors, etc., Wood. Henry A. Dewey Company. 183,504; renewed Apr. 29, 1944.

CLASS 17

Cigars. Sanchez & Haya Co. 187,714; renewed Aug. 12, 1944.

CLASS 21

Resistance units and boxes and frames. States Company. 187,444; renewed Aug. 5, 1944.

CLASS 22

Bowling ball bags. The Brunswick-Balke-Collender Company. 406,806; Apr. 25; Serial No. 465,794; published Feb. 15, 1944.
Dolls. Estelle V. Allison. 182,941; renewed Apr. 22, 1944.
Games employing playing boards and movable pieces. Barrett, Moonan & Johnson Incorporated. 406,763; Apr. 25; Serial No. 463,832; published Feb. 15, 1944.
Instruction game comprising photographs and silhouettes. Plane Facts, Inc. 406,825; Apr. 25.

CLASS 23

Loom pickers. Charles Bond Company. 188,113; renewed Aug. 19, 1944.
Tools, Diamond. Lorco Diamond Tools. 406,774; Apr. 25; Serial No. 464,858; published Feb. 8, 1944.
Vises, bit braces, breast drills, etc. Stanley Works. 188,254; renewed Aug. 19, 1944.

CLASS 26

Photographic papers. Eastman Kodak Company. 406,750; Apr. 25; Serial No. 459,402; published Feb. 15, 1944.
Recording units, etc., Electric. Rahm Instrument, Inc. 406,758; Apr. 25; Serial No. 463,278; published Feb. 15, 1944.
Refractory crucibles and their parts. Ross-Tacony Crucible Co. 182,211; renewed Apr. 1, 1944.
Thermal converters for use in measuring electrical power. Bristol Company. 406,799; Apr. 25; Serial No. 465,616; published Feb. 15, 1944.
Thermometer wells, and pens for recording instruments. Bristol Company. 406,798; Apr. 25; Serial No. 465,613; published Feb. 15, 1944.

CLASS 29

Mops. G. E. Bloss. 406,823; Apr. 25.

CLASS 30

Pottery, etc., Imported Mexican. D. Roditi Sons, Inc. 406,751; Apr. 25; Serial No. 459,604; published Feb. 15, 1944.

CLASS 32

Racks, Tie. M. B. Acosta. 406,832; Apr. 25.

CLASS 35

Brake-lining for automobile brakes. Russell Manufacturing Company. 406,761; Apr. 25; Serial No. 463,798; published Feb. 15, 1944.

CLASS 36

Educational appliances. F. N. Lewis. 185,807; renewed June 24, 1944.
Needles, Phonograph. Duotone Company. 406,790; Apr. 25; Serial No. 465,418; published Feb. 15, 1944.
Needles, Phonograph. Garod Electronics Corporation. 406,793; Apr. 25; Serial No. 465,474; published Feb. 15, 1944.

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CLASS 37

Blank-forms. Furniture Sales Service Corporation. 406,744; Apr. 25; Serial No. 443,001; published Feb. 15, 1944.
Papers, Surface coated and uncoated printing and writing. Dill & Collins Co. 180,595; renewed Mar. 4, 1944.
Pencils, etc., Albums, blotting paper. Eastman Kodak Company. 406,762; Apr. 25; Serial No. 463,812; published Feb. 15, 1944.
Wrappers. McCrory Stores Corporation. 406,745; Apr. 25; Serial No. 447,341; published Feb. 17, 1942.

CLASS 38

Journal, Trade. Chrysler Corporation. 406,753; Apr. 25; Serial No. 461,540; published Feb. 8, 1944.
Journal or publication, Trade. Leeds and Northrup Company. 406,792; Apr. 25; Serial No. 465,460; published Feb. 1, 1944.
Magazine. Hearst Magazines Inc. 406,782; Apr. 25; Serial No. 465,138; published Feb. 8, 1944.
Magazine column. F-R Publishing Corporation. 406,810; Apr. 25; Serial No. 465,899; published Feb. 15, 1944.
Magazine column. F-R Publishing Corporation. 406,811–13; Apr. 25; Serial Nos. 465,902–4; published Feb. 15, 1944.
Magazine column. F-R Publishing Corporation. 406,814; Apr. 25; Serial No. 465,912; published Feb. 15, 1944.
Magazine supplement, Weekly. Tribune Company. 180,295; renewed Feb. 26, 1944.
Newspaper column. Tribune Company. 406,795; Apr. 25; Serial No. 465,492; published Feb. 1, 1944.
Newspaper comic strips. National Newspaper Service. 406,755; Apr. 25; Serial No. 462,590; published Feb. 1, 1944.
Prints, drawings and art layouts, Commercial. Sid-Wil Products. 406,783; Apr. 25; Serial No. 465,154; published Feb. 15, 1944.
Publication, Periodical. Georgia Hardwood Lumber Company. 406,767; Apr. 25; Serial No. 464,436; published Feb. 8, 1944.
Scripts. E. V. Stipp. 406,764; Apr. 25; Serial No. 463,960; published Feb. 1, 1944.

CLASS 39

Bathing suits and underwear for men, women and children, Knitted. Rugby Knitting Mills. 188,055; renewed Aug. 19, 1944.
Coats, suits, jackets and skirts, Ladies' and misses'. Donnybrook Coat and Suit Co. 406,768; Apr. 25; Serial No. 464,504; published Feb. 15, 1944.
Dresses. Elodia Dress Corp. 406,791; Apr. 25; Serial No. 465,453; published Feb. 15, 1944.
Hats, Men's. Denver Dry Goods Company. 186,650–2; renewed July 22, 1944.
Hosiery, Ladies' full fashioned silk, nylon and rayon. Tel-A-Frend Hosiery Company. 406,801; Apr. 25; Serial No. 465,641; published Feb. 8, 1944.
Overcoats and topcoats. C. B. Shane Corporation. 406,807; Apr. 25; Serial No. 465,831; published Feb. 15, 1944.
Petticoats, panties and combination petticoats and panties. L. B. Cooley. 406,780; Apr. 25; Serial No. 465,102; published Feb. 15, 1944.
Playsuits and sportswear, Ladies' and girls'. Louis Geiger, Inc. 406,787; Apr. 25; Serial No. 465,257; published Feb. 8, 1944.
Rubber heels and soles. Panther Rubber Manufacturing Company. 184,932–3; renewed June 3, 1944.
Socks. Topps Hosiery, Inc. 406,786; Apr. 25; Serial No. 465,236; published Feb. 15, 1944.
Sportswear, Women's, ladies' and girls' knitted. Weber Knit Sportswear, Inc. 406,788; Apr. 25; Serial No. 465,278; published Feb. 15, 1944.
Suits and topcoats, Men's. Lebow Brothers. 406,800; Apr. 25; Serial No. 465,628; published Feb. 8, 1944.
Workshirts, Flannel and cotton. Flannocrat Mfg. Co. 185,769; renewed June 24, 1944.

CLASS 40

Shoe laces, corset laces and middy blouse laces. Barthels Manufacturing Company. 186,921; renewed July 22, 1944.
Pins and needles. James Smith & Son (Redditch) Ltd. 185,340; renewed June 10, 1944.

CLASS 42

Cloths and piece goods of woolen, worsted, mohair, etc. B. Priestley & Co. 180,922–3; renewed Mar. 11, 1944.
Piece goods, Cotton. Kelsey Textile Corporation. 185,640; renewed June 24, 1944.
Piece goods, Cotton. Cohn-Hall-Marx Co. 187,081–2; renewed July 29, 1944.
Rugs, Fiber. Deltox Grass Rug Company. 187,749; renewed Aug. 12, 1944.
Rugs, Wool-fiber. Deltox Grass Rug Company. 187,748; renewed Aug. 12, 1944.

CLASS 44

Hearing aids, Vacuum tube. Beltone Hearing Aid Co. 406,809; Apr. 25; Serial No. 465,887; published Feb. 15, 1944.

CLASS 45

Ginger ale. Canada Dry Ginger Ale, Inc. 187,710; renewed Aug. 12, 1944.

CLASS 46

Avocadoes, Fresh. Philip E. Rossetti. 406,815; Apr. 25; Serial No. 465,960; published Feb. 15, 1944.
Beans sold in dried form, Pre-cooked. Stein, Hall Manufacturing Company. 406,749; Apr. 25; Serial No. 457,663; published Feb. 15, 1944.
Candies and chewing gum, Hard and soft. Jose Arechabala, S. A. 406,821; Apr. 25.
Canned fruits, canned vegetables, canned fish. F. E. Booth Co. 185,161; renewed June 10, 1944.
Canned fruits and vegetables. Roy E. Roberts. 188,102; renewed Aug. 19, 1944.
Canned grapefruit. Hills Brothers Company. 186,799; renewed July 22, 1944.
Canned vegetables. David Harum Canning Co. 188,227–8; renewed Aug. 19, 1944.
Canned vegetables, canned fruits, canned berries, etc. New Castle Grocery Co. 188,252; renewed Aug. 19, 1944.
Chocolate flavored syrup, Dehydrated. Wilbur-Suchard Chocolate Company. 406,822; Apr. 25.
Coffee. Dern Food Company. 182,471; renewed Apr. 8, 1944.
Confections. O. Martens. 183,344; renewed Apr. 29, 1944.
Corned beef, brisket beef, ox tongues, etc. Compañia Swift de La Plata Sociedad Anonima. 406,820; Apr. 25.
Feeds, Poultry and livestock. International Elevator Company. 406,754; Apr. 25; Serial No. 462,542; published Dec. 14, 1943.
Flour. Mountain City Mill Co. 188,519; renewed Aug. 26, 1944.
Flour, Wheat. Star Milling Company. 184,129; renewed May 20, 1944.
Flour, Wheat. Moore-Lowry Flour Mills Company. 188,114–5; renewed Aug. 19, 1944.
Fruits and vegetables, Fresh deciduous. F. J. Saveria. 406,778; Apr. 25; Serial No. 465,048; published Feb. 15, 1944.
Fruits, Fresh citrous. W. G. Roe. 188,274; renewed Aug. 19, 1944.
Fruits, Fresh deciduous. J. F. Elliot. 180,060; renewed Feb. 19, 1944.
Gelatin. Swift and Company. 406,808; Apr. 25; Serial No. 465,879; published Feb. 15, 1944.
Lemons, Fresh. Glendora Lemon Growers Association. 188,211–12; renewed Aug. 19, 1944.
Pickles. A. F. Weinrich. 188,267; renewed Aug. 19, 1944.
Potatoes. Woodbury L. Berce. 406,766; Apr. 25; Serial No. 464,213; published Feb. 15, 1944.
Prune butter. Max Ams, Inc. 406,757; Apr. 25; Serial No. 463,114; published Feb. 1, 1944.
Stock and poultry feed. Washburn Crosby Company. 187,246; renewed July 29, 1944.
Vegetables and melons, Fresh. Warner & Stewart. 406,824; Apr. 25.
Vegetables, Fresh. Pete Martinez & Bros. 406,805; Apr. 25; Serial No. 465,761; published Feb. 15, 1944.

CLASS 47

Wines. Sanchez Romate Hermanos, S. A. 406,759; Apr. 25; Serial No. 463,465; published Feb. 1, 1944.
Wines. Standard Distillers Products Incorporated. 406,765; Apr. 25; Serial No. 464,116; published Feb. 1, 1944.

CLASS 49

Rum. Asche-Bandor Corporation. 406,826; Apr. 25.
Rum. Compania De Destilerias Internationales, Inc. 406,781; Apr. 25; Serial No. 465,125; published Feb. 15, 1944.
Rum. Compañia Licorera de Cárdenas, S. A. 406,816; Apr. 25; T. M. No. 1,346 (Inter-Am. Series), May 25, 1943; 64,776 (Cuban); published Feb. 22, 1944.
Rum, brandy, gin, and whiskey. Casa Recalt, S. A. 406,752; Apr. 25; Serial No. 461,361; published Nov. 16, 1943.
Whiskey. Northeastern Liquor Corp. 406,827; Apr. 25.

CLASS 50

Hangers, Trouser and clothes. Burt E. Lloyd. 406,776; Apr. 25; Serial No. 464,922; published Feb. 15, 1944.
Incubator and hatcher. James Manufacturing Company. 406,819; Apr. 25.
Ladders. John S. Tilley Ladders Co. 187,686; renewed Aug. 12, 1944.

LIST OF PLANT PATENTEES

Nicholson, Donald J., Orlando, Fla. Seedless navel orange tree. 625; Apr. 25.

LIST OF DESIGN PATENTEES

Adler, Paul, New York, N. Y. Dress. 137,758; Apr. 25.
Adler, Paul, New York, N. Y. Dress. 137,759; Apr. 25.
Adler, Paul, New York, N. Y. Dress. 137,760; Apr. 25.
Adler, Paul, New York, N. Y. Dress. 137,761; Apr. 25.
Adler, Paul, New York, N. Y. Dress. 137,762; Apr. 25.
Berens, Robert S., Brooklyn, N. Y. Wallet. 137,725; Apr. 25.
Berens, Robert S., Brooklyn, N. Y. Wallet. 137,726; Apr. 25.
Berens, Robert S., Brooklyn, N. Y. Wallet. 137,727; Apr. 25.
Bradley, Roy C., Aguanga, Calif. Shingle roof patching tool. 137,738; Apr. 25.
Brown & Bigelow. (See Lehman, E. C., and Shirley, assignors.)
Brown, Leslie A. (See Parkin, G. F., and Brown.)
Collum, Francis L., Allentown, Pa. Device for erecting and supporting poles. 137,777; Apr. 25.
Connell, William S., Norwood Park Township, Cook County, Ill. Low temperature cabinet. 137,735; Apr. 25.
Coro, Inc. (See Katz, Adolph, assignor.)
Crown Stove Works. (See Rogers, Charles J., assignor.)
Drescher, Ernest W., Manheim Township, Lancaster County, Pa. Gimbal. 137,739; Apr. 25.
Du Bois, Jesse E., Jackson Heights, N. Y. Combined stroller and package carrier. 137,778; Apr. 25.
Duhrssen, Alfred, New York, N. Y. Plate or similar article. 137,728; Apr. 25.
Duhrssen, Alfred, New York, N. Y. Plate or similar article. 137,729; Apr. 25.
Flynt, Robert C., assignor to New Enterprises, Winston-Salem, N. C. Wheeled toy. 137,740; Apr. 25.
Flynt, Robert C., assignor to New Enterprises, Winston-Salem, N. C. Wheeled toy. 137,741; Apr. 25.
Flynt, Robert C., Winston-Salem, N. C. Wheeled toy. 137,742; Apr. 25.
Frackman, Hyman, New York, N. Y. Finger ring. 137,743; Apr. 25.
Galper, Samuel, Jamaica, N. Y. Holder for lenses. 137,730; Apr. 25.
General Motors Corporation. (See Jergenson, George A., assignor.)
General Motors Corporation. (See Otter, W. D., and Markestein, assignors.)
Goldstein, David D., Pittsburgh, Pa. Shoe or similar article. 137,763; Apr. 25.
Goldstein, David D., Pittsburgh, Pa. Shoe or similar article. 137,764; Apr. 25.
Goldstein, David D., Pittsburgh, Pa. Shoe or similar article. 137,765; Apr. 25.
Goldstein, David D., Pittsburgh, Pa. Shoe or similar article. 137,766; Apr. 25.
Goldstein, David D., Pittsburgh, Pa. Shoe or similar article. 137,767; Apr. 25.
Gunderson, Gustav M., Duluth, Minn. Chisel. 137,744; Apr. 25.
International Silver Company. (See Parkin, G. F., and Brown, assignors.)
Jergenson, George A., assignor to General Motors Corporation, Detroit, Mich. Two-unit locomotive body. 137,779; Apr. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 137,780; Apr. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 137,781; Apr. 25.
Kirkland, Joseph T., San Francisco, Calif. Clasp. 137,731; Apr. 25.
Koch, Louis A., Upper Saddle River, N. J. Medallion or similar article. 137,745; Apr. 25.
Lawrence, Benjamin E., Chicago, Ill. Combined thermometer and barometer or the like. 137,746; Apr. 25.
Leary, Arthur G., Mount Vernon, N. Y. Pin or similar article. 137,747; Apr. 25.
Lehman, Eugene C., and L. W. Shirley, Minneapolis, assignors to Brown & Bigelow, St. Paul, Minn. Fish display device or similar article. 137,768; Apr. 25.
Leser, Tina, New York, N. Y. Bathing suit. 137,782; Apr. 25.
Markestein, John. (See Otter, W. D., and Markestein.)
McCoy, Marion, St. Louis, Mo. Dress. 137,748; Apr. 25.
McCoy, Marion, St. Louis, Mo. Dress. 137,769; Apr. 25.
McCoy, Marion, St. Louis, Mo. Dress. 137,770; Apr. 25.
McCoy, Marion, St. Louis, Mo. Dress. 137,771; Apr. 25.
McCoy, Marion, St. Louis, Mo. Dress. 137,772; Apr. 25.
McCoy, Marion, St. Louis, Mo. Dress. 137,773; Apr. 25.
McLaughlin, Edward J., New York, N. Y. Textile fabric. 137,783; Apr. 25.
Mitchell, Norman D., Chicago, Ill. Picture album. 137,732; Apr. 25.
Morrey, Katherine H., Chicago, Ill. Combination baby bath table and dressing stand. 137,736; Apr. 25.
Morris, Harry, Chicago, Ill. Pin or similar article. 137,774; Apr. 25.
Motley, Robert L., Dayton, Ohio. Back comb. 137,784; Apr. 25.
Murphy, William H., Chicago, Ill. Drafting apparatus. 137,749; Apr. 25.
New Enterprises, et al. (See Flynt, Robert C., assignor.)
Newhall, Thomas Lower Merion Township, Montgomery County, Pa. Scarecrow. 137,750; Apr. 25.
Otter, William D., Oak Park, and J. Markestein, North Riverside, Ill., assignors to General Motors Corporation, Detroit, Mich. Two-unit locomotive body. 137,785; Apr. 25.
Paige, Fred O., Philadelphia, Pa. Game board. 137,786; Apr. 25.
Parkin, Gates F., and L. A. Brown, assignors to International Silver Company, Meriden, Conn. Hand wheel for valves and the like. 137,737; Apr. 25.
Rey, Eudice, Brooklyn, assignor to Zylo Ware Corporation, Long Island City, N. Y. Spectacle frame. 137,751; Apr. 25.
Rey, Eudice, Brooklyn, assignor to Zylo Ware Corporation, Long Island City, N. Y. Spectacle frame 137,752; Apr. 25.
Rey, Eudice, Brooklyn, assignor to Zylo Ware Corporation, Long Island City, N. Y. Spectacle frame. 137,753; Apr. 25.
Rogers, Charles J., River Forest, assignor to Crown Stove Works, Chicago, Ill. Kitchen range. 137,733; Apr. 25.
Schwartz, Philip, Springfield, Mass. Bottle. 137,787; Apr. 25.
Shirley, Lloyd W. (See Lehman, E. C., and Shirley.)
Snyder, William R., Galeton, Pa. Supporting bracket. 137,754; Apr. 25.
Stewart, Merritt G., Chicago, Ill. Check writing machine casing. 137,734; Apr. 25.
Walker, Joset, New York, N. Y. Skirt. 137,775; Apr. 25.
Walker, Joset, New York, N. Y. Dress. 137,776; Apr. 25.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 137,755; Apr. 25.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 137,756; Apr. 25.
Wilkens, Emily, New York, N. Y. Bathing suit. 137,757; Apr. 25.
Zylo Ware Corporation. (See Rey, Eudice, assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abernathy, Clyde G., assignor of one-half to A. L. Blades, Hornell, N. Y. Composite surfacing material and applying the same. 2,347,233; Apr. 25.

Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Pump. 2,347,386; Apr. 25.

Aga-Baltic Aktiebolag. (See Granqvist, Carl-Erik, assignor.)

Agnew, Norman F., Penn Township, Allegheny County, and P. N. Martin, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,347,533; Apr. 25.

Air Reduction Company. (See Anderson, James L., assignor.)

Air-Way Electric Appliance Corporation. (See Dow, Dewey M., assignor.)

Ajax Engineering Corporation. (See Tama, Mario, assignor.)

Alcorn Combustion Company. (See Praeger, Frank H., assignor.)

Alien Property Custodian. (See Anschütz, Robert.)

Alien Property Custodian. (See Binder, Eugen.)

Alien Property Custodian. (See Cyron K., and Wessel.)

Alien Property Custodian. (See Dannöhl, W., and Neumann.)

Alien Property Custodian. (See Diemer, Anton.)

Alien Property Custodian. (See Haag, Johannes.)

Alien Property Custodian. (See Keller, Arnold.)

Alien Property Custodian. (See Komenda, Erwin.)

Alien Property Custodian. (See Knuert, Josef.)

Alien Property Custodian. (See Laraque, Roland.)

Alien Property Custodian. (See Nejdl, Georg.)

Alien Property Custodian. (See Pott, August F.)

Alien Property Custodian. (See Puttfarcken, Wilhelm.)

Alien Property Custodian. (See Rodanet, Charles H. H.)

Alien Property Custodian. (See Rudolph, Karl.)

Alien Property Custodian. (See Stoewener, F., and Becke.)

Alien Property Custodian. See Story, Anthonie.)

Alien Property Custodian. (See Thinius, Kurt.)

Alien Property Custodian. (See Ulfers, Heinz.)

Alien Property Custodian. (See Villem, Raymond.)

Allen, Carl F., McKeesport, Pa. Tieback. 2,347,234; Apr. 25.

Allied Chemical & Dye Corporation. (See Seyferth, Herbert, assignor.)

Alpak. (See Crane, Walton B., assignor.)

Aluminum Industries, Incorporated. (See Jung, N. A. and Tenkotte, assignors.)

Ambrose, Paul M., College Park, Md., assignor to Chicago Development Company, Chicago, Ill. Electrolytic deposition of manganese. 2,347,451; Apr. 25.

American Box Board Company. (See Kearns, Richard E., assignor.)

American Can Company. (See Wilgus, Joseph F., assignor.)

American Car and Foundry Company. (See Pancake, Herman H., assignor.)

American Cyanamid Company. (See Bradley, Theodore F., assignor.)

American Cyanamid Company. (See Cook, E. W., and Thomas, assignors.)

American Cyanamid Company. (See Johnston, William B., assignor.)

American Cyanamid Company. (See McLachlan, Dan, Jr., assignor.)

American Cyanamid Company. (See Moore, William, assignor.)

American Laundry Machinery Company, The. (See Pauly, Robert C., assignor.)

American Screw Company. (See Muenchinger, Herman G., assignor.)

American Seal-Kap Corporation of Delaware. (See Goodwin, C. W., Martin, and Vore, assignors.)

American Steel and Wire Company of New Jersey, The. (See Beckett, Rollin B., assignor.)

American Steel Foundries. (See Aurien, Ray G., assignor.)

American Steel Foundries. (See Cottrell, Robert B., assignor.)

American Telephone and Telegraph Company. (See Neiswinter, J. T., and Horsey, assignor.)

American Telephone and Telegraph Company. (See Rhoads, Charles S., assignor.)

American Telephone and Telegraph Company. (See Roundburg, Eric A., assignor.)

American Telephone and Telegraph Company. (See Soderholm, J. S., and Breen, assignors.)

American Type Founders, Incorporated. (See Yardeny, Michel M., assignor.)

Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Battery servicing. 2,347,452; Apr. 25.

Anderson, Axel. (See Brown, R. A., and Anderson.)

Anderson, George W., Port Washington, assignor to United States Plywood Corporation, New York, N. Y. Cylindrical coupling for hollow tubing. 2,347,534; Apr. 25.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Cutting. 2,347,245; Apr. 25.

Andrews, Alluwee C. (See Brewton, G. M., Andrews, and Silva.)

Anschütz, Robert, Zella-Mehlis, Thuringia, Germany; vested in the Alien Property Custodian. Bookkeeping machine. 2,347,235; Apr. 25.

Armour and Company. (See Colt, E. S., Lane, and Beatty, assignors.)

Arms, Ray W. (See Holt, G. J., Rakowsky, and Arms.)

Armstrong Cork Company. (See Cox, Harry P., Jr., assignor.)

Aurien, Ray G., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,347,387; Apr. 25.

Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator operated power supply. 2,347,165; Apr. 25.

Automatic Air Gauge, Inc. (See Critser, L., and Mencimer, assignors.)

Automotive Products Company Limited. (See Parnell, Frank G., assignor.)

Autoxygen, Inc. (See Kokatnur, Vaman R., assignor.)

Ayers, Donald J., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,347,388; Apr. 25.

Baer, Julius, Beverly Hills, Calif. Jointed shoe sole. 2,347,166; Apr. 25.

Bailey Meter Company. (See Sprenkle, Raymond E., assignor.)

Bair, George J., Pittsburgh, Pa., assignor to N. S. Garbisch. Manufacture of glazed ceramic bodies. 2,347,535; Apr. 25.

Baker, Gerald S., and E. Sullivan, Fostoria, Ohio. Surgery cot. 2,347,389; Apr. 25.

Baker, Herbert N., Syracuse, assignor to Syracuse Chilled Plow Company, Inc., New York, N. Y. Plow bottom. 2,347,167; Apr. 25.

Baldwin, Johnnie W., Navy Yard, S. C. Hand beading tool. 2,347,390; Apr. 25.

Baldwin, Wayne A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,347,536; Apr. 25.

Barbieri, Cesare, New York, N. Y., assignor to Dixie Cup Company. Container. 2,347,236; Apr. 25.

Barrett, Charles G., Alexandria, Va. Razor blade sharpener. 2,347,246; Apr. 25.

Barstow, Ormond E., assignor to The Dow Chemical Company, Midland, Mich. Liquid level indicating system for use in treating wells. 2,347,589; Apr. 25.

Bass, Glenn W., et al. (See McDonald, Wayne E., assignor.)

Beaman, Bernard. (See Hulman, J., and Beaman.)

Beatty, Julian L. (See Colt, E. W., Lane, and Beatty.)

Becke, Friedrich. (See Stoewener, F., and Becke.)

Becker, Ernest R., Oak Park, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle cleaning apparatus. 2,347,453; Apr. 25.

Beckett, Rollin B., Parma, Ohio, assignor to The American Steel and Wire Company of New Jersey. Method and apparatus for measuring buckle or center stretch in cold rolled steel strips. 2,347,454; Apr. 25.

Beckman, Lawrence R., Erhard, Minn. Storage battery terminal. 2,347,168; Apr. 25.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Excavating and truck loading machine. 2,347,455; Apr. 25.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Instantaneous truck loading shovel. 2,347,456; Apr. 25.

Bell Telephone Laboratories, Incorporated. (See Phelps, Walter A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Yenzer, George R., assignor.)

Benckenstein, George W., Jr. (See Howard, D. K., Benckenstein, and Porter.)

Bendix Aviation Corporation. (See Ayers, Donald J., assignor.)

Bendix Aviation Corporation. (See Humphrey, William J., assignor.)

Bendix Aviation Corporation. (See Mock, F. C., and Wirth, assignors.)

Bendix Aviation Corporation. (See Rylsky, Gregory V., assignor.)

Benjamin, Sidney H., Milwaukee, Wis. Safety blade magazine holder. 2,347,237; Apr. 25.

Benner, Raymond C., and F. A. Upper, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive and making same. 2,347,537; Apr. 25.

Bennett, Earnest L., assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind. Dusting mop. 2,347,169; Apr. 25.

Bennett, Racy D., assignor to Vinco Corporation, Detroit, Mich. Sequence valve. 2,347,238; Apr. 25.

Benning, Wilbert O., Los Angeles, Calif., assignor to Pacific Clay Products Company. Apparatus for feeding tiles to spraying machines. 2,347,391; Apr. 25.

Berno, Edward H., Plymouth, Mich. Brake mechanism. 2,347,239; Apr. 25.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for making incisions in soles. 2,347,247; Apr. 25.

Binder, Eugen, Berlin, Germany; vested in the Alien Property Custodian. Electrically operated control device. 2,347,590; Apr. 25.

Bingley, Frank J., Chestnut Hill, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Alternate carrier television system. 2,347,248; Apr. 25.

Bishop, Oakes E., et al. (See Lutz, Daniel H., assignor.)

Bishop, Orville L., Wendell, Idaho. Well pump. 2,347,240; Apr. 25.

Blades, Archie L. (See Abernathy, Clyde G., assignor.)

Bloomberg, Joseph E., assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Seat and making the same. 2,347,538; Apr. 25.

Boedeker, Edward W., assignor of fifty per cent to H. J. Herbst, Fort Wayne, Ind. Hosiery. 2,347,457; Apr. 25.

Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake control system. 2,347,241; Apr. 25.

Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,347,392; Apr. 25.

Bousquet, Euclid W., Wilmington, Del., and H. G. Guy, Penn Township, Allegheny County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,347,393; Apr. 25.

Bowdil Company, The. (See Morrow, Harry M., assignor.)

Bradley, John J., Cranford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical apparatus. 2,347,394; Apr. 25.

Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Asphaltic product and preparing same. 2,347,626; Apr. 25.

Braker, William, Brooklyn, N. Y., and W. A. Lott, Westfield, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. N-(amino-benzene-sulphonyl)-nitroso anilines and salts thereof, and preparing them. 2,347,242; Apr. 25.

Brandon, John R., Cramerton, N. C. Check strap for looms. 2,347,539; Apr. 25.

Branick, Charles E., Fargo, N. Dak. Tire spreader. 2,347,311; Apr. 25.

Breen, Charles. (See Soderholm, J. S., and Breen.)

Brewton, Grace M., A. C. Andrews, and F. C. Silva, Orange Grove, Tex. Ration stamp cutter. 2,347,249; Apr. 25.

Briskin, Jack. (See Sperry, P. F., and Briskin, Philip F. and J.)

Briskin, Jack, et al. (See Sperry, Philmore F., assignor.)

Briskin, Philip F. (See Sperry, P. F., and Briskin, Philip F. and J.)

Briskin, Philip F., et al. (See Sperry, Philmore F., assignor.)

Briskin, Theodore H., et al. (See Sperry, P. F., and Briskin, Philip F. and J., assignors.)

Briskin, Theodore H., et al. (See Sperry, Philmore F., assignor.)

Bristol Company, The. (See Waldelich, James B., assignor.)

British American Oil Company, Ltd., The. (See Rude, Robert L., assignor.)

Bronson Reel Company. (See Coxe, J. A., and McMahon, assignors.)

Brown, George M., Scotia, N. Y., assignor to General Electric Company. Frequency modulation system. 2,347,458; Apr. 25.

Brown, Leslie A. (See Parkin, G. F., and Brown.)

Brown, Ray A., and A. Anderson, Rockford, Ill. Apparatus for holding workpieces. 2,347,170; Apr. 25.

Brown, Stanley J., Elm Grove, assignor to Met-l-Top Tables Inc., Milwaukee, Wis. Support for garden hose. 2,347,171; Apr. 25.

Bruson, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Esters of bis-(2-carboxyethyl) ether. 2,347,627; Apr. 25.

Bucyrus-Erie Company. (See Thornberg, Herbert W., assignor.)

Bugg, Kenly C., Fort Wayne, Ind., assignor to Neptune Meter Company. Clutch mechanism. 2,347,243; Apr. 25.

Bulin, Martin. (See Scarzello, L., Nowatius, and Bulin.)

Burkhardt Company, The. (See Russell, Alfred R., assignor.)

Burnett, Clinton B., Waukegan, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Shingle and making the same. 2,347,250; Apr. 25.

Burns, Leroy H., Cleveland, Ohio, assignor to The National Telephone Company. Wire connecting device. 2,347,540; Apr. 25.

Burrell, Gilbert, Lansing, assignor to General Motors Corporation, Detroit, Mich. Starter-throttle interconnection. 2,347,251; Apr. 25.

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Burton-Rodgers, Inc. (See Howard, D. K., Benckenstein, and Porter, assignors.)

Butler Manufacturing Company. (See Hefler, R., and Myers, assignors.)

Buxbaum, Edwin C., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,347,252; Apr. 25.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Treating fat-soluble vitamin-containing oils. 2,347,460; Apr. 25.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Treatment of fat-soluble vitamin materials. 2,347,461; Apr. 25.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Refining and stabilizing fat-soluble vitamin-containing fatty materials. 2,347,462; Apr. 25.

Byrns, Alva C. (See Polly, O. L., and Byrns.)

C. B. Equipment Co. (See Harbers, Henry C., assignor.)

Carbide and Carbon Chemicals Corporation. (See Rugeley, E. W., and Feild, assignors.)

Carborundum Company, The. (See Benner, R. C., and Upper, assignors.)

Caterpillar Tractor Co. (See Martin, F. F., and Clark, assignors.)

Celanese Corporation of America. (See Dreyfus, H., Moncrieff, and Sammons, assignors.)

Celanese Corporation of America. (See Seymour, George W., assignor.)

Chaffee, Harold D., Bedford, Ohio. Container closure. 2,347,253; Apr. 25.

Chicago Development Company. (See Ambrose, Paul M., assignor.)

Chicago Flexible Shaft Company. (See Purpura, August C., assignor.)

Chicago Flexible Shaft Company. (See Wright, H. C., and Jepson, assignors.)

Chicago Metal Hose Corporation. (See Fentress, David W., assignor.)

Clark Equipment Company. (See Lapsley, Robert, assignor.)

Clark, John I. (See Martin, F. F., and Clark.)

Clarke, Roland C., Whitley Bay, England. Hoisting gear and the like. 2,347,395; Apr. 25.

Cleveland Punch & Shear Works Company, The. (See Longfield, William F., assignor.)

Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polymeric sulphides. 2,347,182; Apr. 25.

Cohn, Eugene, Chicago, Ill. Vapor diffusing device. 2,347,591; Apr. 25.

Colt, Edwin W., Evanston, L. B. Lane, Chicago, and J. L. Beatty, Maywood, assignors to Armour and Company, Chicago, Ill. Abrasive element. 2,347,244; Apr. 25.

Commercial Solvents Corporation. (See Tindall, John B., assignor.)

Conveyor Company, The. (See Saxe, Walter E., assignor.)

Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Lubricating oil. 2,347,592; Apr. 25.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Tying and squaring means for car trucks. 2,347,628; Apr. 25.

Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,347,463; Apr. 25.

Cox, George D., assignor to Williams and Marcus Company, Philadelphia, Pa. Sheet scoring and severing machine. 2,347,254; Apr. 25.

Cox, Harry P., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Bottle blowing machine. 2,347,181; Apr. 25.

Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc. Milwaukee, Wis. Electrical contact tip and making same. 2,347,172; Apr. 25.

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Producing trimethylolnitromethane. 2,347,312; Apr. 25.

Coxe, Joseph A., Los Angeles, Calif., and R. P. McMahon, assignors to Bronson Reel Company, Bronson, Mich. Fishing reel. 2,347,173; Apr. 25.

Crandall Dry Dock Engineers Inc. (See Crandall, James S., assignor.)

Crandall, James S., Lexington, assignor to Crandall Dry Dock Engineers Inc., Cambridge, Mass. Boat storage system and apparatus. 2,347,396; Apr. 25.

Crane, Walton B., assignor to Alpak, Los Angeles, Calif. Container. 2,347,183; Apr. 25.

Crist, Philip W., Roselle Park, and S. G. Johansson, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Soldering apparatus. 2,347,397; Apr. 25.

Critser, Lee, Denver, and H. G. Mencimer, Fort Lupton, assignors to Automatic Air Gauge, Inc., Keenesburg, Colo. Tire pressure indicator. 2,347,541; Apr. 25.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Modulation system. 2,347,398; Apr. 25.

Cross, Kenneth M., Glendale, and J. J. W. Stephens, South Pasadena, Calif. Inspection light. 2,347,174; Apr. 25.

Croyle, Emory, deceased, by E. I. Croyle, administratrix, Altoona, Pa. Rivet holder or dolly bar. 2,347,399; Apr. 25.

Croyle, Eva I., administratrix. (See Croyle, Emory.)

Crutcher-Rolfs-Cummings Company. (See Cummings, James D., assignor.)

Csepely, John A., New Haven, assignor to A. F. Holden, Northford, Conn. Furnace for heat treating metal articles. 2,347,400; Apr. 25.

Cummings, James D., assignor to Crutcher-Rolfs-Cummings Company, Houston, Tex. Portable machine for bending large diameter pipe. 2,347,593; Apr. 25.

Cuno, Charles W., Wilmington, assignor to The Lehon Company, Chicago, Ill. Pulverizing resinous and thermoplastic materials. 2,347,464; Apr. 25.

Curtis, Charles G., New York, N. Y. Two-cycle gas engine. 2,347,465; Apr. 25.

Cutler-Hammer, Inc. (See Cox, Irvin W., assignor.)

Cyron, Kurt, and E. Wessel, Dessau, Germany; vested in The Alien Property Custodian. Girder for aircraft structure. 2,347,542; Apr. 25.

Dannöhl, Walter, and H. Neumann, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Alloy for permanent magnets. 2,347,543; Apr. 25.

Danz, Emil. (See Lawlor, J. H., and Danz.)

Daum, August C., et al. (See Lutz, Daniel H., assignor.)

Davenport, Edith E., executrix. (See Silva, F. G., and Davenport.)

Davenport Machine Tool C. (See Silva, F. G., and Davenport, assignors.)

Davenport, William S. (See Silva, F. G., and Davenport.)

Davey, Clarence P., assignor to Wilson & Bennett Manufacturing Co., Chicago, Ill. Pail cover. 2,347,401; Apr. 25.

Davis, Morgan, et al. (See Lutz, Daniel H., assignor.)

Day, George G., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Calcium hypochlorite. 2,347,402; Apr. 25.

Deane, Herbert H. B., Edgbaston, Birmingham, England. Resilient wheel. 2,347,466; Apr. 25.

De Costa, Harry J., and J. Obermaier, Chicago, Ill. Flood control means. 2,347,544; Apr. 25.

Deere & Company. (See Paradise, Louis A., assignor.)

Deere & Company. (See Silver, Walter H., assignor.)

De Lin, Martin, assignor to Holland Furnace Company, Holland, Mich. Tuyere structure. 2,347,594; Apr. 25.

Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)

Denzler, Berthold, assignor of one-half to E. G. Oswianza, and one-half to P. Fah, Chicago, Ill. Apparatus for reseating flush valves or the like. 2,347,403; Apr. 25.

De Swart, Jan, Los Angeles, assignor of one-half to C. B. Jamison, Beverly Hills, Calif. Safety razor. 2,347,595; Apr. 25.

De Swart, Jan, Los Angeles, assignor of one-half to C. B. Jamison, Beverly Hills, Calif. Safety razor. 2,347,596; Apr. 25.

Dewey and Almy Chemical Company. (See Tator, Kenneth, assignor.)

Dewey, Clarence L., Elkhart, Ind. Machine for end tapering metal tubing. 2,347,175; Apr. 25.

Diamond Alkali Company. (See Lander, James G., assignor.)

Dick, Herbert L., and C. B. Oliver, assignors to Tested Appliance Company, Chicago, Ill. Filtering device or the like. 2,347,184; Apr. 25.

Diemer, Anton, Stuttgart, Germany; vested in the Alien Property Custodian. Door latch. 2,347,467; Apr. 25.

Diemer, Anton, Stuttgart, Germany; vested in the Alien Property Custodian. Door latch. 2,347,468; Apr. 25.

Dies, Charles A., Chicago, Ill. Pipe coupling. 2,347,469; Apr. 25.

Dillin, George R., Charlotte, Mich. Electrically operated rotary paint brush. 2,347,470; Apr. 25.

Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door lift mechanism. 2,347,255; Apr. 25.

Dixie Cup Company. (See Barbieri, Cesare, assignor.)

Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Frame for mounting and supporting mirrors. 2,347,176; Apr. 25.

Dore, Evelyn, New York, N. Y. Electrically lighted lamp. 2,347,313; Apr. 25.

Dornbrook, Frederick L., assignor to Wisconsin Electric Power Company, Milwaukee, Wis. Supplementary auxiliary apparatus for prime movers. 2,347,471; Apr. 25.

Dorward, John G., Jr., Alameda, Calif. Air volume control for fluid pressure tanks. 2,347,472; Apr. 25.

Dow Chemical Company, The. (See Barstow, Ormond E., assignor.)

Dow Chemical Company, The. (See Shelley, Paul G., assignor.)

Dow Chemical Company, The. (See Smith, Frank B., assignor.)

Dow Chemical Company, The. (See Wagner, Robert, assignor.)

Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,347,177; Apr. 25.

Dreyfus, Henry, London, R. W. Moncrieff, and C. W. Sammons, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of artificial filaments, films, and other articles from organic polymerization products. 2,347,545; Apr. 25.

Driver, Wilbur B., Company. (See Platt, Stephen A., assignor.)

Droll, Joseph W., Wilmette, Ill. Wheelbarrow. 2,347,314; Apr. 25.

Dunlay, Edward E. (See McAfee, A. M., and Dunlay.)

Du Pont, E. I., de Nemours & Company. (See Bousquet, E. W., and Guy, assignors.)

Du Pont, E. I., de Nemours & Company. (See Bradley, John J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Coffman, Donald D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Frost, F. L., Jr., assignor.)

Du Pont, E. I., de Nemours & Company. (See Guy, H. G., and Goddin, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hanson, Victor F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hawkinson, A. T., and Elston, assignors.)

Du Pont, E. I., de Nemours & Company. (See Meigs, Frederick M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Reichert, J. S., McNeight, and Elston, assignors.)

Du Pont, E. I., de Nemours & Company. (See Walker, Joseph F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wernlund, Christian J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Young, James H., assignor.)

Eastern Rolling Mill Company, The. (See Stargardter, Albert R., assignor.)

Eaton Manufacturing Company. (See Koestering, Walter T., assignor.)

Ehrlich, Adolph, New York, N. Y. Diamond abrasive stick. 2,347,597; Apr. 25.

Electric Service Supplies Company. (See Mageoch, Harry Y., assignor.)

Elliott, Harmon P., Watertown, Mass. Addressing machine. 2,347,404; Apr. 25.

Ellis-Foster Company. (See Root, Frank B., assignor.)

Elston, Arthur A. (See Hawkinson, A. T., and Elston.)

Elston, Arthur A. (See Reichert, J. S., McNeight, and Elston.)

Ericksen, Christian, Brooklyn, N. Y. Scraper. 2,347,473; Apr. 25.

Ernst, Earl A., Bakersfield, Calif. Sack jigger. 2,347,474; Apr. 25.

Etched Products Corporation. (See Penker, Ernest, assignor.)

Etched Products Corporation. (See Scarzello, L., Nowatius, and Bulin, assignors.)

Fah, Peter. (See Denzler, Berthold, assignor.)

Fairchild Camera and Instrument Corporation. (See Roters, Herbert C., assignor.)

Feild, Theophilus A., Jr. (See Rugeley, E. W., and Feild.)

Fentress, David W., Hubbard Woods, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Welding method and apparatus. 2,347,185; Apr. 25.

Ferrocart Corporation of America. (See Fill, John V., assignor.)

Fibro-Mold Specialties, Inc. (See Skolnik, Max, assignor.)

Fill, John V., Dobbs Ferry, assignor to Ferrocart Corporation of America, Hastings on Hudson, N. Y. Radio receiver. 2,347,315; Apr. 25.

Finley, Willard L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,347,546; Apr. 25.

Finley, Willard L., Edgewood Arsenal, Md., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,347,547; Apr. 25.

Fitzsimons, John E., Westfield, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 2,347,548; Apr. 25.

Focha, William F., Westfield, N. J., assignor to Wailes, Dove-Hermiston Corporation. Apparatus for coating pipe. 2,347,316; Apr. 25.

Foley, John L., and D. B. Malarkey; said Foley assignor to Hobart Sales Service Supplies, Buffalo, N. Y. Electric arc welding electrode holder. 2,347,598; Apr. 25.

Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,347,599; Apr. 25.

Ford, Gladys C., New York, N. Y. Doll. 2,347,405; Apr. 25.

Ford, William R., Drumright, Okla. Oar or paddle. 2,347,475; Apr. 25.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Material-handling apparatus. 2,347,549; Apr. 25.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Material-handling apparatus. 2,347,550; Apr. 25.

Frank, Leopold. (See Leubrie, Courinne G., assignor.)

Frazer-Nash, Archibald G., Tolworth, England. Gun mounting. 2,347,406; Apr. 25.

Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Slack adjuster. 2,347,186; Apr. 25.

French, Louis O., Milwaukee, Wis. Fuel pump. 2,347,551; Apr. 25.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Converting hydrocarbons. 2,347,256; Apr. 25.

Fritz, James H., Montclair, and E. A. Robinson, Chatham, assignors to National Oil Products Company, Harrison, N. J. Reversible emulsion and application therefor. 2,347,178; Apr. 25.

Fronmuller, Douglas. (See Rowland, B. W., and Fronmuller.)

Frost, Frank L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying hydrochloric acid. 2,347,257; Apr. 25.

Frost, Leon J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Enameling. 2,347,187; Apr. 25.

Garand, John C., Springfield, Mass. Muzzle pressure indicator. 2,347,188; Apr. 25.

Garbisch, Norbert S. (See Bair, George J., assignor.)

Garraway, George C., Rutherford, N. J. Photographic developing machine. 2,347,189; Apr. 25.

Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Automatic washer. 2,347,190; Apr. 25.

General Chemical Company. (See Swaine, James W., assignor.)

General Electric Company. (See Amsden, Ralph D., assignor.)

General Electric Company. (See Brown, George M., assignor.)

General Electric Company. (See Goetter, William F., assignor.)

General Electric Company. (See Light, Philip H., assignor.)

General Electric Company. (See Martin, Harold M., assignor.)

General Electric Company. (See Nordstrum, Lauren D., assignor.)

General Electric Company. (See Schroeder, Theodore W., assignor.)

General Electric Company. (See Smalley, Dean F., assignor.)

General Electric Company. (See Suksdorf, Alfred, assignor.)

General Electric Company. (See Weaver, Burr S assignor.)

General Electric Company. (See Weiser, Earnest F., assignor.)

General Motors Corporation. (See Burrell, Gilbert, assignor.)

General Motors Corporation. (See Teeter, Wilford H., assignor.)

Gerrard, John M., Chicago, Ill. Band reel. 2,347,552; Apr. 25.

Gibson, James D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of mixtures of hydrocarbons and hydrofluoric acid. 2,347,317; Apr. 25.

Goddin, Avery H. (See Guy, H. G., and Goddin.)

Goetter, William F., Schenectady, N. Y., assignor to General Electric Company. Frequency modulation apparatus. 2,347,459; Apr. 25.

Gonigam, George H., et al. (See McDonald, Wayne E., assignor.)

Goode, John H., North Holmwood, England. Molding plastic materials. 2,347,600; Apr. 25.

Goodwin, Carl W., Plainfield, N. J., H. W. Martin, Malverne, and H. G. Vore, Jackson Heights, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Heating device for bottle caps. 2,347,407; Apr. 25.

Gorman, Horace P., Rye, N. Y. Attachment for hypodermic syringes. 2,347,179; Apr. 25.

Goss Printing Press Company, The. (See Taylor, A., and Worthington, assignors.)

Gothers, John L., Hartford, Conn. Method of and apparatus for performing dental operations. 2,347,553; Apr. 25.

Gothers, John L., Hartford, Conn. Vibrator apparatus. 2,347,554; Apr. 25.

Grace, Bertram Barnett, and W. H. M. Hellier, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Indicator system. 2,347,258; Apr. 25.

Graham, Harry D., Kingston, N. Y. Hose nozzle. 2,347,476; Apr. 25.

Granqvist, Carl-Erik, assignor to Aga-Baltic Aktiebolag, Stockholm, Sweden. Directional radio beam for blind landings. 2,347,180; Apr. 25.

Green, Vernon L. (See Nystrom, K. F., and Green.)

Green, Robert H., Marion, Ind. Fibrous sheet conditioning machine. 2,347,555; Apr. 25.

Grice, Letcher O., U. S. Army, Washington, D. C. Trunk locker. 2,347,192; Apr. 25.

Griffith, Lawrence O., Port Allegany, assignor to Pittsburgh-Corning Corporation, Allegheny County, Pa. Building block and making it. 2,347,556; Apr. 25.

Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe headstock transmission. 2,347,259; Apr. 25.

Guerrero, Ambrosio, Los Angeles, Calif. Plant thinning machine. 2,347,232; Apr. 25.

Gulberson Corporation, The. (See Taylor, Raymond G., Jr., assignor.)

Guillermo Kraft Limitada Sociedad Anonima de Impresiones Generales. (See Kraft, Guillermo E. C., assignor.)

Gulf Oil Corporation. (See McAfee, A. M., and Dunlay, assignors.)

Gurney, William B., Baton Rouge, La., assignor to The Permutit Company, New York, N. Y. Method of and apparatus for treating liquid. 2,347,318; Apr. 25.

Guy, Hubert G. (See Bousquet, E. W., and Guy.)

Guy, Hubert G., and A. H. Goddin, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,347,260; Apr. 25.

Haag, Johannes, Neunkirchen, Germany; vested in the Alien Property Custodian. Purification of pig iron. 2,347,557; Apr. 25.

Hale, Arthur N., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Resilient support. 2,347,629; Apr. 25.

Halstead, William S., Huntington, N. Y. Signaling system. 2,347,477; Apr. 25.

Hammand, Lowell F., Washington, D. C. Signaling device. 2,347,193; Apr. 25.

Hanset, Eugene D., Portland, Oreg. Handle hanger package. 2,347,319; Apr. 25.

Hanson, Victor F., Youngstown, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Location of faults in electrolytic cell systems. 2,347,408; Apr. 25.

Harbers, Henry C., San Gabriel, assignor to C. B. Equipment Co., Los Angeles, Calif. Six wheel motor vehicle. 2,347,409; Apr. 25.

Harbert, Carl J., Shaker Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Ceramic pigment. 2,347,630; Apr. 25.

Harrington, Ferris T., L. R. Twyman, and J. Robinson, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,347,261; Apr. 25.

Harshaw Chemical Company, The. (See Harbert, Carl J., assignor.)

Hart-Carter Company. (See Holtzman, William A., assignor.)

Hawkinson, Alfred T., and A. A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pyridine carboxylic acid. 2,347,410; Apr. 25.

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Heddens, Lawrence A., Bradford, Pa., assignor to Mahoney Chair Company, Gardner, Mass. Chair. 2,347,478; Apr. 25.

Hefler, Rudolf, and H. C. Myers, assignors to Butler Manufacturing Company, Kansas City, Mo. Locating holes in structural members. 2,347,411; Apr. 25.

Hedin, Oscar C., Cleveland Heights, assignor to The Weldon Tool Company, Cleveland, Ohio. Drawing machine or layout table. 2,347,558; Apr. 25.

Hellier, William H. M. (See Grace, B. B., and Hellier.)

Herbst, Henry J. (See Boedeker, Edward W., assignor.)

Hercules Powder Company. (See Cox, Richard F. B., assignor.)

Hercules Powder Company. (See Sheffield, Donald H., assignor.)

Herzog, Carl, Belleville, N. J. Grid device. 2,347,262; Apr. 25.

Higgins, Andrew J., and J. M. Poche, New Orleans, La. Coupling hook adapted to detachably connect small boats to the davit falls. 2,347,263; Apr. 25.

Higgins, Andrew J., New Orleans, La. Self-defensive lighter. 2,347,412; Apr. 25.

Higgins, Eugene, Jackson, Mich. Variable speed transmission. 2,347,479; Apr. 25.

Higson, Percy R., Sidcup, assignor to Vickers-Armstrongs Limited, London, England. Automatic gun. 2,347,559; Apr. 25.

Hill, Clifford M., et al. (See McDonald, Wayne E., assignor.)

Hiltner, James R., Morrisville, assignor to Röhm & Haas Company, Philadelphia, Pa. Casting composition. 2,347,320; Apr. 25.

Hinde & Dauch Paper Company, The. (See Loth, Gaylord, assignor.)

Hobart Sales Service Supplies. (See (Foley, J. L., assignor), and Malarkey.)

Holcomb, J. I., Manufacturing Company. (See Bennett, Earnest L., assignor.)

Holden, Artemas F. (See Csepely, John A., assignor.)

Holland Furnace Company. (See De Lin, Martin, assignor.)

Holliday, Theodore B., Dayton, Ohio. Traffic control device. 2,347,194; Apr. 25.

Hollingsworth, Gordon P. (See Merrill, G. S., and Hollingsworth.)

Holt, Grover J., St. Paul, Minn., V. Rakowsky, Joplin, Mo., and R. W. Arms, Evanston, assignors to Minerals Beneficiation Incorporated, Chicago, Ill. Process and apparatus for separating fragmentary materials. 2,347,264; Apr. 25.

Holtzman, William A., assignor to Hart-Carter Company, Peoria, Ill. Steel frame thresher screen. 2,347,480; Apr. 25.

Hooven, Frederick J., Dayton, Ohio. Timing device. 2,347,481; Apr. 25.

Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Apparatus for producing metal bodies. 2,347,413; Apr. 25.

Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Web feed for wrapping machines. 2,347,560; Apr. 25.

Horsey, Oliver P. (See Nelswinter, J. T., and Horsey.)

Hotchkiss, Clarence F., Jr., assignor to Stow Manufacturing Company, Inc., Binghamton, N. Y. Apparatus and method for making flexible shafting. 2,347,631; Apr. 25.

Hotchkiss, Clarence F., Jr., assignor to Stow Manufacturing Company, Inc., Binghamton, N. Y. Winding head for flexible shaft forming machines. 2,347,632; Apr. 25.

Houdry Process Corporation. (See Peterkin, Albert G., assignor.)

Howard, Donald K., Cincinnati, G. W. Benckenstein, Jr., Deer Park, and H. L. Porter, Cincinnati, Ohio, assignors to Burton-Rodgers, Inc. Silhouette model. 2,347,561; Apr. 25.

Huber, Matthew W., Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company. Pressure control valve. 2,347,321; Apr. 25.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Contacting fluid reactants. 2,347,195; Apr. 25.

Hulman, Julius, and B. Beaman, Dayton, Ohio. Vacuum system booster. 2,347,196; Apr. 25.

Humphrey, William J., assignor to Bendix Aviation Corporation, South Bend, Ind. Master cylinder. 2,347,349; Apr. 25.

Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Insecticide. 2,347,265; Apr. 25.

Institute of Paper Chemistry, The. (See Rowland, B. W., and Fronmuller, assignors.)

International Silver Company. (See Parkin, G. F., and Brown, assignors.)

International Standard Electric Corporation. (See Grace, B. B., and Hellier, assignors.)

Ipatieff, Vladimir N., and L. Schmerling, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of paraffinic hydrocarbons. 2,347,266; Apr. 25.

Irrgang, William F. (See Shea, J. J., Irrgang, and Swift.)

Ivers-Lee Company. (See Saltzberg, Leroy L., assignor.)

Jackson, William, Collingswood, N. J., assignor to B. F. Sturtevant Company, Boston, Mass. Thermostatic control for dry kilns. 2,347,601; Apr. 25.

Jackson, William H., Great Neck, N. Y. Extracting drugs. 2,347,322; Apr. 25.

Jamison, C. Bland. (See de Swart, Jan, assignor.)

Jarrell, Lemuel P., Huntington Park, Calif. Toolholder for metal planers. 2,347,323; Apr. 25.

Jeffrey Manufacturing Company, The. (See Wright, Fred J., assignor.)

Jepson, Ivar. (See Wright, H. C., and Jepson.)

Johansson, Sven G. (See Crist, P. W., and Johansson.)

Johns-Manville Corporation. (See Burnett, Clinton B., assignor.)

Johnson, Nels J., Evanston, Ill. Tree treatment. 2,347,324; Apr. 25.

Johnston, Allan T., Mount Lebanon, assignor to The Union Switch & Signal Company, Swissvale, Pa. Switch control system. 2,347,602; Apr. 25.

Johnston, William B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. High molecular weight polyhydric alcohols. 2,347,562; Apr. 25.

Jowers, Eddie R., Swansea, S. C. Insect exterminator. 2,347,267; Apr. 25.

Jung, Norbert A., Silverton, and H. F. Tenkotte, Covington, Ky., assignors to Aluminum Industries, Incorporated, Cincinnati, Ohio. Knurling machine. 2,347,350; Apr. 25.

Karo, David, London, England. Electric torch. 2,347,482; Apr. 25.

Katcher, Morris, New York, N. Y. Thrust ball bearing. 2,347,483; Apr. 25.

Kearns, Richard E., Detroit, assignor to American Box Board Company, Grand Rapids, Mich. Garment hanger. 2,347,414; Apr. 25.

Keller, Arnold, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Device for compensating the temperature of systems for distant measurement of the number of revolutions. 2,347,563; Apr. 25.

Kellogg, M. W., Company, The. (See Hopkins, Robert K., assignor.)

Kelsey-Hayes Wheel Company. (See Forbes, Joseph A., assignor.)

Kennedy, Donald S., Longparish, Andover, England. Nonskin device. 2,347,415; Apr. 25.

Kennedy, Donald S., Harewood Forest, Longparish, Andover, England. Nonskin device. 2,347,416; Apr. 25.

Kenney, Clifton V., Bayonne, N. J. Necktie. 2,347,484; Apr. 25.

Kenney, Clifton V., Bayonne, N. J. Necktie roller mounting. 2,347,485; Apr. 25.

Kessler, Charles J., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Oil burning apparatus. 2,347,268; Apr. 25.

Keuffel & Esser Company. (See Wiedemann, Hans, assignor.)

Kiefer, Felix, Flushing, N. Y. Preservation of comestibles. 2,347,486; Apr. 25.

Kirschbaum, Harry M., Detroit, Mich. Composite sound record and representative graph and producing the same. 2,347,325; Apr. 25.

Kirschbaum, Harry M., Detroit, Mich. Combined infant resuscitator and incubator. 2,347,326; Apr. 25.

Kirchmann, Henry, Jr., San Francisco, assignor of one-half to A. N. Warburton, Oakland, Calif. Rotary drier. 2,347,487; Apr. 25.

Kjosness, G. A., et al. (See McGillicuddy, Addeline J., assignor.)

Koehring Company. (See Beckwith, Raymond A., assignor.)

Koestering, Walter T., Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Inspection method for composite articles. 2,347,564; Apr. 25.

Kokatnur, Vaman R., Beechhurst, assignor to Autoxygen, Inc., New York, N. Y. Saponification. 2,347,565; Apr. 25.

Komenda, Erwin, Stuttgart-Korntal, Germany; vested in the Alien Property Custodian. Laminated body. 2,347,566; Apr. 25.

Koppers Company. (See Winans, Charles F., assignor.)

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company. Organic phosphorus compounds. 2,347,633; Apr. 25.

Kraft, Guillermo E. C., assignor to Guillermo Kraft Limitada Sociedad Anonima de Impresiones Generales, Buenos Aires, Argentina Republic. Closure for containers in general. 2,347,417; Apr. 25.

Kravick, Elvin J., Stoughton, Wis. Poultry feeder. 2,347,418; Apr. 25.

Kresse, Edward J., Denver, Colo. Dental implant. 2,347,567; Apr. 25.

Kunert, Josef, Nixdorf, Sudetenland, Germany; vested in the Alien Property Custodian. Stapling machine. 2,347,568; Apr. 25.

LaChapelle, Euclid I., Brockton, Mass. Stretching and assembling shoe uppers on lasts. 2,347,269; Apr. 25.

Laing, Marvin R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,347,351; Apr. 25.

La Liberte, Elie J., Springfield, Mass. Inflatable tourniquet and fastener therefor. 2,347,197; Apr. 25.

Lambach, Fritz, Tenafly, N. J. Electrical control system for the operation or braking means of warping or beaming plants. 2,347,198; Apr. 25.

Lander, James G., Cincinnati, Ohio, assignor to Diamond Alkali Company, Pittsburgh, Pa. Manufacture of corrugated paperboard and the like. 2,347,419; Apr. 25.

Landis & Gyr, A-G. (See Perret, Henri, assignor.)

Lane, Leonard B. (See Colt, E. W., Lane, and Beatty.)

Lang Louis. (See Schlegel, J. W., and Lang.)

Langdon, Jesse D., Downey, Calif. Check valve device. 2,347,199; Apr. 25.

Langille, Wilfred O., Chester, and K. Perkins, Scotch Plains, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Lighting fixture. 2,347,420; Apr. 25.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,347,352; Apr. 25.

Laraque, Roland, Paris, France; vested in the Alien Property Custodian. Winch provided with an automatic release at the end of the lifting operation. 2,347,569; Apr. 25.

Larsson, Eric, Malung, Sweden. Toolbox. 2,347,270; Apr. 25.

Larzelere, Samuel R., Laurel Springs, N. J. Combined ash tray and coaster. 2,347,353; Apr. 25.

Lavietes, Abraham H., Shelton, Conn. Carpenter's plane. 2,347,570; Apr. 25.

Lawlor, John H., New York, and E. Dana, Flushing, N. Y. Optical lens. 2,347,488; Apr. 25.

Lazer, Harry M., Jersey City, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Attachment for machine tools. 2,347,489; Apr. 25.

Le Blond, R. K., Machine Tool Company, The. (See Greene, Willard L., assignor.)

Legeman, Ralph E., Evansville, Ind. Humidifier. 2,347,490; Apr. 25.

Lehde, Henry, Brooklyn, N. Y. Method and apparatus for effecting electrical measurements. 2,347,206; Apr. 25.

Lehon Company, The. (See Cuno, Charles W., assignor.)

Lente, Howard O., East Williston, N. Y. Salvaging apparatus and system. 2,347,491; Apr. 25.

Leubrie, Courinne G., assignor to L. Frank, New York, N. Y. Garment side closure. 2,347,354; Apr. 25.

Levenson, Bennett H., et al. (See McGillicuddy, Addeline J., assignor.)

Lewis, Fred O., Dayton, Ohio. Removing combustion by-products from internal combustion engines. 2,347,492; Apr. 25.

Libbey-Owens-Ford Glass Company. (See Doner, Halbert C., assignor.)

Libbey-Owens-Ford Glass Company. (See White, Gerald, assignor.)

Light, Philip H., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current electric power systems. 2,347,493; Apr. 25.

Lilly, Ell, and Company. (See Rockwell, George E., assignor.)

Lindblad, George L., Joliet, Ill. Facial cleaner. 2,347,355; Apr. 25.

Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Resonant cavity oscillator. 2,347,577; Apr. 25.

Lindsay, Lynn G., Chicago, Ill. Water softening apparatus. 2,347,201; Apr. 25.

Lindsay, Lynn G., Chicago, Ill. Multiple port valve. 2,347,202; Apr. 25.

Lindsay, Lynn G., Chicago, Ill. Multiple port valve. 2,347,203; Apr. 25.

Lindsay, Lynn G., Chicago, Ill. Multiple port valve. 2,347,204; Apr. 25.

Lindsey, William L., and H. Wilson, Fort Benning, Ga. Aerial delivery container for paratroops. 2,347,205; Apr. 25.

Linke, Francis J., Elmira, N. Y. Brake for wheels. 2,347,571; Apr. 25.

Linn, Norman F., Roselle Park, N. J., assignor to Standard Oil Development Company. Feed device. 2,347,271; Apr. 25.

Liquid Carbonic Corporation, The. (See Becker, Ernest R., assignor.)

Little, John S., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding. 2,347,421; Apr. 25.

London, Bessie P., Baltimore, Md. Massaging apparatus. 2,347,327; Apr. 25.

Longfield, William F., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Sheet metal working press. 2,347,272; Apr. 25.

Loth, Gaylord, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Octagonal box. 2,347,422; Apr. 25.

Lott, William A. (See Braker, W., and Lott.)

Lubri-Zol Development Corporation, The. (See Prutton, C. F., and Smith, assignors.)

Lucia, Louis V., West Hartford, Conn. Cutting machine. 2,347,603; Apr. 25.

Lutz, Daniel H., Kew Gardens, assignor of fourteen and one-fourth per cent to O. E. Bishop, Chappaqua, four and three-fourths per cent to A. C. Daum, Hawthorne, five per cent to B. Rickenback, Larchmont Manor, and five per cent to M. Davis, New York, N. Y. Rotary air drier. 2,347,356; Apr. 25.

Lyle, Leascher C., McMinnville, Tenn. Measuring tape. 2,347,273; Apr. 25.

Lyon, George A., Allenhurst, N. J. Ornamental wheel trim ring. 2,347,206; Apr. 25.

Machlett Laboratories Incorporated. (See Machlett, Raymond R., assignor.)

Machlett, Raymond R., New Canaan, assignor to Machlett Laboratories Incorporated, Springdale, Conn. X-ray tube. 2,347,424; Apr. 25.

Magreoch, Harry Y., assignor to Electric Service Supplies Company, Philadelphia, Pa. Clutch for fare registers. 2,347,425; Apr. 25.

Magnesen, Charles D., Chicago, Ill. Closure for bottles, jars, and similar containers. 2,347,605; Apr. 25.

Mahoney Chair Company. (See Heddens, Lawrence A., assignor.)

Maine Steel, Inc. (See Woodbury, John B., assignor.)

Malarkey, Daniel B. (See Foley, J. L., and Malarkey.)

Mallory, P. R., & Co. (See Aust, Robert J., assignor.)

Margolin, Meyer, Elgin, Ill. Ventilated insole. 2,347,207; Apr. 25.

Marinsky, Davis, assignor of one-half to L. H. Morin, Bronx, N. Y. Bottom stop for separable fasteners. 2,347,426; Apr. 25.

Marinsky, Davis. (See Morin, Louis H., assignor.)

Martin, Fred F., Peoria, and J. I. Clark, West Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Electrocleaning process. 2,347,572; Apr. 25.

Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Torque measuring device. 2,347,208; Apr. 25.

Martin, Harold W. (See Goodwin, C. W., Martin, and Vore.)

Martin, Paul N. (See Agnew, N. F., and Martin.)

Marton, Ladislaus, Palo Alto, Calif., assignor to Radio Corporation of America. Electron microscope. 2,347,328; Apr. 25.

Mason, Benjamin F., Dinuba, Calif. Ore agitator. 2,347,357; Apr. 25.

Mathieson Alkali Works, Inc., The. (See Day, George G., assignor.)

Mayer, Elsie. (See Silversteen, Julius, assignor.)

McAfee, Almer M., and E. E. Dunlay, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Producing paraffinic oils. 2,347,274; Apr. 25.

McCarty, William B., Jackson, Miss. Price tag holder. 2,347,423; Apr. 25.

McDonald, Wayne E., assignor of one-third to G. H. Gonigam, one-third to C. M. Hill, and one-third to G. W. Bass, Walnut, Ill. Floor press. 2,347,604; Apr. 25.

McGillicuddy, Addeline J., assignor of one-half to G. A. Kjosness, Spokane, Wash. and one-fifth to B. H. Levenson, Washington, D. C. Protective footwear. 2,347,191; Apr. 25.

McIlvaine, Edward M. (See Simmonds, H. A., and McIlvaine.)

McLachlan, Dan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. X-ray technique. 2,347,638; Apr. 25.

McMahon, Richard P. (See Coxe, J. A., and McMahon.)

McNeight, Samuel A. (See Reichert, J. S., McNeight, and Elston.)

Meeker, Harry B., Shickshinny, Pa. Washer. 2,347,210; Apr. 25.

Meigs, Frederick M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-substituted amide and preparing the same. 2,347,494; Apr. 25.

Mencimer, Howard G. (See Critser L., and Mencimer.)

Merrill, Grant S., St. Paul, Minn., and G. P. Hollingsworth, Detroit, Mich., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Composition of matter for use as sealers and the like. 2,347,211; Apr. 25.

Merrill, Marcellus S., Denver, Colo. Drive mechanism. 2,347,275; Apr. 25.

Met'l-Top Tables Inc. (See Brown, Stanley J., assignor.)

Michigan Silo Company, The. (See Zuber, Emil F., assignor.)

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Hydroxylation of acetylenic compounds. 2,347,358; Apr. 25.

Miller, Nicholas S., Chicago, Ill. Punch press guard. 2,347,606; Apr. 25.

Miller, Theodore H., Portland, Oreg. Apparatus for fabricating wooden panels. 2,347,359; Apr. 25.

Milwaukee Saddlery Company. (See Bloomberg, Joseph E., assignor.)

Minerals Beneficiation Incorporated. (See Holt, G. J., Rakowsky, and Arms, assignors.)

Minneapolis-Honeywell Regulator Company. (See Laing, Marvin R., assignor.)

Minnesota Mining & Manufacturing Company. (See Merrill, G. S., and Hollingsworth, assignors.)

Mitton, William E., Shawano, Wis. Processing machine for canned foods. 2,347,495; Apr. 25.

Mock, Frank C., and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetion. 2,347,427; Apr. 25.

Moncrieff, Robert W. (See Dreyfus, H., Moncrieff, and Sammons.)

Monsanto Chemical Company. (See Kosolapoff, Gennady M., assignor.)

Moore, Laurence L. (See Winslow, C. A., Moore, and Nostrand.)

Moore, William, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Benzalmalononitrile as a pest-control agent. 2,347,573; Apr. 25.

Morin, Louis H. (See Marinsky, Davis, assignor.)

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Mortise joint separable fastener. 2,347,428; Apr. 25.

Morrow, Harry M., Canton, Ohio, assignor to The Bowdil Company. Holding device. 2,347,329; Apr. 25.

Moser, Jesse R. (See Twyman, L. R., Moser, and Rose.)

Mosshart, Donald J., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stoker apparatus. 2,347,574; Apr. 25.

Muenchinger, Herman G., South Foster, assignor to American Screw Company, Providence, R. I. Self-tapping screw. 2,347,360; Apr. 25.

Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,347,607; Apr. 25.

Murray Corporation of America, The. (See Noyes, Roswell L., assignor.)

Muskat, Irving E., and A. Pechukas, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Preparation of pigments. 2,347,496; Apr. 25.

Myers, Harold C. (See Hefler, R., and Myers.)

Naranick, Nicholas T., U. S. Army, Casper, Wyo. Holder for self-heating ration containers. 2,347,212; Apr. 25.

Nash Engineering Company. (See Adams, Harold E., assignor.)

National Bread Wrapping Machine Co. (See Hoppe, William, assignor.)

National Distillers Products Corporation. (See Pattee, Ellis C., assignor.)

National Oil Products Company. (See Buxton, Loran O., assignor.)

National Oil Products Company. (See Fritz, J. H., and Robinson, assignors.)

National Sugar Refining Company, The. (See Schlegel, J. W., and Lang, assignors.)

National Telephone Supply Company, The. (See Burns, Leroy H., assignor.)

Neer, Harry L., Beech Grove, C. H. Wasson, Indianapolis, Ind., and R. L. Neer, Jacksonville, Fla., assignors to Nik-O-Lok Company, Indianapolis, Ind. Blocker means for coin controlled mechanism. 2,347,429; Apr. 25.

Neer, Raymond L. (See Neer, H. L., Wasson, and Neer.)

Neidl, George, Berlin, Germany; vested in the Alien Property Custodian. Pneumatic device for raising and conveying semisolids. 2,347,213; Apr. 25.

Neiswinter, James T., South Orange, N. J. and O. P. Horsey, Cleveland, Ohio., assignors to American Telephone and Telegraph Company. Damping means for current responsive apparatus. 2,347,497; Apr. 25.

Nelson, Lee, Texas City, Tex. Load hoisting tong. 2,347,361; Apr. 25.

Neptune Meter Company. (See Bugg, Kenly C., assignor.)

Neumann, Hans. (See Dannöhl, W., and Neumann.)

Neverdal, Harold E., Tacoma, Wash. Beam bending machine. 2,347,575; Apr. 25.

New Jersey Machine Corporation. (See von Hofe, George W., assignor.)

New Wrinkle, Inc. (See Waldie, William A., assignor.)

New York Air Brake Company, The. (See Baldwin, Wayne A., assignor.)

New York Air Brake Company, The. (See Huber, Matthew W., assignor.)

Nicholson, Edward W., Detroit, Mich. Partition structure. 2,347,276; Apr. 25.

Nik-O-Lok Company. (See Neer, H. L., Wasson, and Neer, assignors.)

Nineteen Hundred Corporation. (See Geldhof, P. E., and Ringer, assignors.)

Nordstrum, Lauren D., Fort Wayne, Ind., assignor to General Electric Company. Torque measuring device. 2,347,214; Apr. 25.

Nostrand, William G. (See Winslow, C. A., Moore, and Nostrand.)

Nowatius, Joseph. (See Scarzello, L., Nowatius, and Bulin.)

Noyes, Roswell L., assignor to The Murray Corporation of America, Detroit, Mich. Faucet. 2,347,330; Apr. 25.

Nystrom, Karl F., and V. L. Green, Milwaukee, Wis. Railroad passenger car truck. 2,347,362; Apr. 25.

Obermaier, John. (See De Costa, H. J., and Obermaier.)

O'Brien, James J., and J. Strad, Chicago, Ill. Article holding means for cleaning machines. 2,347,430; Apr. 25.

Ogilby, Stewart R., Eltingville, Staten Island, assignor to United States Rubber Company, New York, N. Y. Crude rubber. 2,347,576; Apr. 25.

Oliver, Chauncey B. (See Dick, H. L., and Oliver.)

Olson, Malven L., Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation. Flux dispensing process and apparatus. 2,347,498; Apr. 25.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,347,499; Apr. 25.

Oswianza, Esther G. (See Denzler, Berthold, assignor.)

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Copper plating of mirrors. 2,347,608; Apr. 25.

Pacific Clay Products Company. (See Benning, Wilbert O., assignor.)

Palumbo, Vincent, Cleveland, Ohio. Fuel injection means for internal combustion engines. 2,347,363; Apr. 25.

Palumbo, Vincent, Cleveland, Ohio. Cam member for engines or the like. 2,347,364; Apr. 25.

Pancake, Herman H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Drop-bottom mine car. 2,347,277; Apr. 25.

Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Harvesting mechanism. 2,347,365; Apr. 25.

Parke, Peter, assignor to The Pullman Company, Chicago, Ill. Railway car truck. 2,347,500; Apr. 25.

Parkin, Gates F., and L. A. Brown, assignors to International Silver Company, Meriden, Conn. Hand wheel for valves and the like. 2,347,634; Apr. 25.

Parnell, Frank G., assignor to Automotive Products Company Limited, Leamington Spa, England. Internal shoe drum brake. 2,347,366; Apr. 25.

Partington, Becker & Company Limited. (See Porritt, William H., assignor.)

Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation, New York, N. Y. Degermination of corn. 2,347,215; Apr. 25.

Pauly, Robert C., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Feather handling apparatus. 2,347,431; Apr. 25.

Pechukas, Alphonse. (See Muskat, I. E., and Pechukas.)

Penker, Ernest, Flushing, assignor to Etched Products Corporation, Long Island City, N. Y. Forming electrodes. 2,347,501; Apr. 25.

Penyacska, Julius M., Elmhurst, N. Y. Training device. 2,347,502; Apr. 25.

Perfection Stove Company. (See Kessler, Charles J., assignor.)

Perkins, Kenneth. (See Langille, W. O., and Perkins.)

Permutit Company, The. (See Gurney, William B., assignor.)

Perret, Henri, Zug, Switzerland, assignor to Landis & Gyr, A-G. Arc-extinguishing circuit breaker. 2,347,331; Apr. 25.

Peterkin, Albert G., Bryn Mawr, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Producing gasolines. 2,347,216; Apr. 25.

Petrie, John L., assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich. Diamond dressing tool and determining diamond sizes therefor. 2,347,280; Apr. 25.

Phelps, Walter A., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier current telegraph system. 2,347,332; Apr. 25.

Philco Radio and Television Corporation. (See Bingley, Frank J., assignor.)

Phillips Petroleum Company. (See Frey, Frederick E., assignor.)

Phillips Petroleum Company. (See Gibson, James D., assignor.)

Phillips, Stanley H., Stratford, assignor to The Warner Brothers Company, Bridgeport, Conn. Marking tool. 2,347,333; Apr. 25.

Phillips, Walter, Niagara Falls, N. Y. Artificial bait. 2,347,609; Apr. 25.

Pitt, William P., Union, N. J., assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,347,278; Apr. 25.

Pittsburgh-Corning Corporation. (See Griffith, Lawrence O., assignor.)

Pittsburgh Plate Glass Company. (See Muskat, I. E., and Pechukas, assignor.)

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Piut, Stanley J., Glen Rickey, Pa. Aerial bomb projectile. 2,347,279; Apr. 25.

Plastic Inlays, Inc. (See Wainman, Thomas, assignor.)

Platt, Stephen A., Nutley, assignor to Wilbur B. Driver Company, Newark, N. J. Bar grinding apparatus. 2,347,503; Apr. 25.

Platt, Stephen A., Nutley, assignor to Wilbur B. Driver Company, Newark, N. J. Bar-grinding apparatus. 2,347,639; Apr. 25.

Poche, John M. (See Higgins, A. J., and Poche.)

Polly, Orville L., Long Beach, and A. C. Byrns, Palos Verdes Estates, assignors to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of mineral oils. 2,347,432; Apr. 25.

Porritt, William H., Chilcompton, near Bath, assignor to Becker Partington & Company Limited, Ludgate Hill, London, England. Washing of paper pulp and the like. 2,347,504; Apr. 25.

Porter, Harry L. (See Howard, D. K., Benckenstein, and Porter.)

Pott, August F., Zella-Mehlis, Thuringia, Germany; vested in the Alien Property Custodian. Calculating machine, cash register, or the like. 2,347,610; Apr. 25.

Praeger, Frank H., Merion, assignor to Alcorn Combustion Company, Philadelphia, Pa. Convection section. 2,347,433; Apr. 25.

Prutton, Carl F., Cleveland, and A. K. Smith, Shaker Heights, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,347,217; Apr. 25.

Pullman Company, The. (See Parke, Peter, assignor.)

Purpura, August C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Toaster. 2,347,611; Apr. 25.

Puttfarcken, Wilhelm, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Device for controlling power circuits. 2,347,612; Apr. 25.

Pyrene Manufacturing Company. (See Fitzsimons, John E., assignor.)

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Linder, Ernest G., assignor.)

Radio Corporation of America. (See Marton, Ladislaus, assignor.)

Radio Corporation of America. (See Young, Charles J., assignor.)

Rakowsky, Victor. (See Holt, G. J., Rakowsky, and Arms.)

Rapids-Standard Co. (See Woldring, B., and Sebastian, assignors.)

Raynor, George A., assignor of one-half to C. L. Staub, Smithville, Tex. Oil well testing device. 2,347,281; Apr. 25.

Reconstruction Finance Corporation. (See Laxer, Harry M., assignor.)

Reichert, Joseph S., S. A. McNeight, and A. A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of peracid solutions. 2,347,434; Apr. 25.

Research Corporation. (See Milas, Nicholas A., assignor.)

Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)

Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Phantom magneto telephone system. 2,347,505; Apr. 25.

Rickenback, Bernard, et al. (See Lutz, Daniel H., assignor.)

Riehle, Raymond R., Milford, Ohio. Game. 2,347,506; Apr. 25.

Ringer, Luther. (See Geldhof, P. E., and Ringer.)

Robinson, Edwin A. (See Fritz, J. H., and Robinson.)

Robinson, Frederick W. (See Spence, L. U., and Robinson.)

Robinson, James. (See Harrington, F. T., Twyman, and Robinson.)

Roby, Horace H., Wichita, Kans. Propeller hub assembly. 2,347,282; Apr. 25.

Rockwell, George E., Cincinnati, Ohio, assignor to Eli Lilly and Company, Indianapolis, Ind. Pollen antigen and preparing it. 2,347,435; Apr. 25.

Rodanet, Charles H. H., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Magnetic tachometer. 2,347,613; Apr. 25.

Roher, Harry, Brooklyn, N. Y. Manufacture of garments. 2,347,578; Apr. 25.

Röhm & Haas Company. (See Hiltner, James R., assignor.)

Röhm & Haas Company. (See Spence, L. U., and Robinson, assignors.)

Root, Frank B., Montclair, N. J., assignor to Ellis-Foster Company. Printing ink. 2,347,436; Apr. 25.

Rose, Howard E. (See Twyman, L. E., Moser, and Rose.)

Rosen, Oscar B., Detroit, Mich. Duplicating machine. 2,347,367; Apr. 25.

Rosen, Oscar E., Detroit, Mich. Control means for hydraulic motors. 2,347,368; Apr. 25.

Ross, Walter F., Detroit, Mich. Dressing grinding wheels. 2,347,283; Apr. 25.

Roters, Herbert C., Mountain Lakes, N. J., assignor to Fairchild Camera and Instrument Corporation. Apparatus for suspending and releasing objects. 2,347,369; Apr. 25.

Rotsler, George F., Los Angeles, Calif. Amalgamator. 2,347,284; Apr. 25.

Roundburg, Eric A., Jamaica, N. Y., assignor to American Telephone and Telegraph Company. Alarm circuit. 2,347,507; Apr. 25.

Rourke, Robert U., Dudley, assignor to Waterhouse Company, Webster, Mass. Pressure gauge. 2,347,341; Apr. 25.

Rowland, Ben W., and D. Fronmuller, Appleton, Wis., assignors to The Institute of Paper Chemistry. Preparing sheet rubber. 2,347,370; Apr. 25.

Rudd, Matthew S., Elizabeth City, N. C. Hedge trimmer. 2,347,579; Apr. 25.

Rude, Robert L., assignor to The British American Oil Company, Ltd., Toronto, Ontario, Canada. Processing of flowing fluids. 2,347,371; Apr. 25.

Rudolph, Karl, Dresden, Germany; vested in the Alien Property Custodian. Making hollow glass bodies. 2,347,614; Apr. 25.

Rugeley, Edward W., and T. A. Feild, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Dyeing vinyl copolymer fibers. 2,347,508; Apr. 25.

Russell, Alfred R., Grosse Pointe, Mich., assignor to The Burkhardt Company. Fluorescent glow sheet and manufacturing the same. 2,347,285; Apr. 25.

Rylsky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Liquid level. 2,347,218; Apr. 25.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Making packages. 2,347,509; Apr. 25.

Sammons, Charles W. (See Dreyfus, H., Moncrieff, and Sammons.)

Sandretto, Peter C., Oak Park, Ill., assignor to United Air Lines, Inc. Ignition system. 2,347,286; Apr. 25.

Sargent & Company. (See Voight, Henry G., assignor.)

Sas, Elmer, New York, N. Y. Xylophone. 2,347,287; Apr. 25.

Sawyer, Walter A., Cristobal, Canal Zone, Panama. Sectional boat. 2,347,510; Apr. 25.

Saxe, Walter E., Alhambra, assignor to The Conveyor Company, Los Angeles, Calif. Storage device. 2,347,437; Apr. 25.

Scarzello, Leo, Woodside, J. Nowatius, Elmhurst, Long Island, and M. Bulin, Jackson Heights, assignors to Etched Products Corporation, Long Island City, N. Y. Apparatus for preparing plates for etching. 2,347,511; Apr. 25.

Schlegel, John W., and L. Lang, New York, N. Y., assignors to The National Sugar Refining Company, Edgewater, N. J. Sugar granule manufacture. 2,347,288; Apr. 25.

Schmerling, Louis. (See Ipatieff, V. N., and Schmerling.)

Schmieg, Francis A., Franklin Village, assignor to Schmieg Industries, Detroit, Mich. Apparatus for removing foreign material from air. 2,347,334; Apr. 25.

Schmieg Industries. (See Schmieg, Francis A., assignor.)

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Anchor pin construction and assembly method. 2,347,219; Apr. 25.

Schroeder, Theodore W., Schenectady, N. Y., assignor to General Electric Company. Electric circuit. 2,347,512; Apr. 25.

Schulman, Max, Brooklyn, N. Y. Collar holder. 2,347,438; Apr. 25.

Scott, Douglas C. (See Steinhilber, Gustav W., assignor.)

Sebastian, James R. (See Woldring, B., and Sebastian.)

Sebring, Elsa R. (See Swank, Harry K., assignor.)

Seyferth, Herbert, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation. Detergent composition. 2,347,336; Apr. 25.

Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Printing process. 2,347,289; Apr. 25.

Shaeffer, George D., assignor to Gar Wood Industries, Inc., Detroit, Mich. Angledozer. 2,347,290; Apr. 25.

Shaeffer, George D., assignor to Gar Wood Industries, Inc., Detroit, Mich. Scraper. 2,347,291; Apr. 25.

Shea, James J., Springfield, W. F. Irrgang, Chicopee, and W. E. Swift, Jr., Worcester, assignors to United States Envelope Company, Springfield, Mass. Method of and apparatus for making containers. 2,347,439; Apr. 25.

Sheffield, Donald H., assignor to Hercules Powder Company, Wilmington, Del. Synthesis of terpene compounds. 2,347,337; Apr. 25.

Shelley, Paul G., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for treating wells. 2,347,615; Apr. 25.

Shepherd, Judson O., Atlanta, Ga. Pulse regenerator. 2,347,513; Apr. 25.

Sherwood, Lester L., Los Angeles, Calif. Combined billfold and coin purse. 2,347,338; Apr. 25.

Shildneck, Paul R., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Preparation of glutamic acid. 2,347,220; Apr. 25.

Shively, John J., and H. R. Van Deventer, assignors, by mesne assignments, to Telephone Answering and Recording Corporation, New York, N. Y. Control method and apparatus. 2,347,514; Apr. 25.

Shmidl, Albert J., Houston, Tex., assignor to Standard Oil Development Company. Refining mineral oils. 2,347,515; Apr. 25.

Silex Company, The. (See Wolcott, Frank E., assignor.)

Silva, Frank C. (See Brewton, G. M., Andrews, and Silva.)

Silva, Frederick G., and W. S. Davenport, deceased, by E. E. Davenport, executrix, assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y. Automatic forming machine. 2,347,372; Apr. 25.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Ridge burster. 2,347,373; Apr. 25.

Silversteen, Julius, assignor of one-half to E. Mayer, North Franklyn, Conn. Clock. 2,347,516; Apr. 25.

Simmonds, Harold A., and E. M. McIlvaine, U. S. Navy. Stop mechanism. 2,347,221; Apr. 25.

Sinclair Refining Company. (See Finley, Willard L., assignor.)

Singer Manufacturing Company, The. (See Hale, Arthur N., assignor.)

Singer Manufacturing Company, The. (See Langille, W. O., and Perkins, assignors.)

Singleton, Gray, Fort Meade, Fla. Preserving fruit juices. 2,347,339; Apr. 25.

Sitzer, Philip, Irvington, assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Gaseous discharge lamp and starting mechanism therefor. 2,347,222; Apr. 25.

Skolnik, Max, assignor to Fibro-Mold Specialties, Inc., Chicago, Ill. Burial vault. 2,347,440; Apr. 25.

Smallen, Harry M., Brooklyn, N. Y. Partial removable denture. 2,347,340; Apr. 25.

Smalley, Dean F., East Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,347,517; Apr. 25.

Smith, Albert K. (See Prutton, C. F., and Smith.)

Smith, Frank B., assignor to The Dow Chemical Company, Midland, Mich. Chemical seasoning of wood. 2,347,635; Apr. 25.

Smith, Skardon T., Detroit, Mich. Multiple disk shaft lock. 2,347,292; Apr. 25.

Smith, Skardon T., Detroit, Mich. Single bar shaft lock. 2,347,293; Apr. 25.

Smith, Skardon T., Detroit, Mich. Multiple disk shaft coupling. 2,347,294; Apr. 25.

Smith, Skardon T., Detroit, Mich. Single bar shaft coupling. 2,347,295; Apr. 25.

Snow, Harry A., Boulder, Colo. Ski. 2,347,441; Apr. 25.

Soderholm, James S., West Orange, N. J., and C. Breen, Mineola, N. Y., assignors to American Telephone and Telegraph Company. Testing arrangement for telegraph circuits. 2,347,518; Apr. 25.

Solman, Robert, Manchester, England. Headwear. 2,347,442; Apr. 25.

Sousa, John S., Goshen, Calif. Ditch cleaner. 2,347,335; Apr. 25.

Spence, Le Roy U., Elkins Park, and F. W. Robinson, assignors to Röhm & Haas Company, Philadelphia, Pa. Recovery of unsaturated aldehydes. 2,347,636; Apr. 25.

Sperry, Helen B., executrix. (See Sperry, Philmore F.)

Sperry, Helen B., executrix. (See Sperry, P. F., and Briskin, Philip F. and J.)

Sperry, Philmore F., Chicago, Ill; H. B. Sperry, executrix of said Sperry, deceased, assignor, by mesne assignments, to T. H., P. F., and J. Briskin. Motion picture camera. 2,347,519; Apr. 25.

Sperry, Philmore F., and P. F. and J. Briskin, Chicago, Ill.; H. B. Sperry, executrix of said Sperry, deceased, assignor, by mesne assignments, to T. H., P. F., and J. Briskin. Camera attachment. 2,347,520; Apr. 25.

Squibb, E. R. & Sons. (See braker, W., and Lott, assignors.)

Sprague Meter Company. (See Whitworth, Fairchild, assignor.)

Sprenkle, Raymond E., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Liquid-level measuring apparatus. 2,347,637; Apr. 25.
Stahler, George H., Shaker Heights, Ohio. Machine for working wood and other materials. 2,347,374; Apr. 25.
Staley, A. E., Manufacturing Company. (See Shildneck, Paul R., assignor.)
Standard Oil Company. (See Thiele, Ernest W., assignor.)
Standard Oil Development Company. (See Linn, Norman F., assignor.)
Standard Oil Development Company. (See Shmidl, Albert J., assignor.)
Standard Oil Development Company. (See Vanderbilt, Byron M., assignor.)
Stargardter, Albert R., assignor to The Eastern Rolling Mill Company, Baltimore, Md. Armor plate. 2,347,375; Apr. 25.
Starr, Howard D., Los Angeles, Calif. Seal packing. 2,347,296; Apr. 25.
Staub, Charles L. (See Raynor, George A., assignor.)
Stearns, Kenneth R., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reduction gearing apparatus. 2,347,580; Apr. 25.
Steiger, Jacques, assignor to Sulzer-Frères, Société Anonyme, Winterthur, Switzerland. Device for reducing torsional oscillations. 2,347,521; Apr. 25.
Steinhilber, Gustav W., Manchester, assignor to D. C. Scott, West Hartford, Conn. Textile spool. 2,347,376; Apr. 25.
Stellingwerf, Edward, Remsen, Iowa. Safety system for engines. 2,347,297; Apr. 25.
Stephens, Joseph J. W. (See Cross, K. M., and Stephens.)
Stephenson, William F., Royal Oak, Mich. Radius grinder. 2,347,616; Apr. 25.
Stinnett, George R., assignor of one-half to R. Wallace, New Canton, Ill. Harvest wagon. 2,347,522; Apr. 25.
Stoewener, Fritz, Ludwigshafen-on-the-Rhine, and F. Becke, Mannheim, Germany; vested in the Alien Property Custodian. Catalytic reactions with carbonaceous materials. 2,347,231; Apr. 25.
Story, Anthonie, Amsterdam, Netherlands; vested in the Alien Property Custodian. Resilient seat or back. 2,347,617; Apr. 25.
Stow Manufacturing Company. (See Hotchkiss, Clarence F., Jr., assignor.)
Strad, James. (See O'Brien, J. J., and Strad.)
Sturtevant, B. F., Company. (See Jackson, William, assignor.)
Sukodorf, Alfred, Schenectady, N. Y., assignor to General Electric Company. Remote control and indicating system. 2,347,523; Apr. 25.
Sullivan, Edward. (See Baker, G. S., and Sullivan.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sulzer Frères, Société Anonyme. (See Steiger, Jacques, assignor.)
Swaine, James W., Bayside, assignor to General Chemical Company, New York, N. Y. Organic insecticide. 2,347,377; Apr. 25.
Swan, Charles D., Trenton, Mich. Trailer front end stabilizer and rest. 2,347,524; Apr. 25.
Swank, Harry K., assignor of one-half to E. R. Sebring, Sebring, Fla. Ditching machine. 2,347,378; Apr. 25.
Swift, Willard E., Jr. (See Shea, J. J., Irrgang, and Swift.)
Symington-Gould Corporation, The. (See Couch, Glenn F., assignor.)
Syracuse Chilled Plow Company. (See Baker, Herbert N., assignor.)
Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Twin coil furnace. 2,347,298; Apr. 25.
Tator, Kenneth, Egypt, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Container closure and lining composition. 2,347,618; Apr. 25.
Tautz, Herbert E., Englewood, Colo., assignor, by mesne assignments, to Delta Manufacturing Company, Milwaukee, Wis. Cutting machine. 2,347,223; Apr. 25.
Taylor, Auburn, Charleston, W. Va., and E. W. Worthington, assignors to The Goss Printing Press Company, Chicago, Ill. Rotary inking mechanism and process. 2,347,619; Apr. 25.
Taylor, Raymond G., Jr., assignor to The Guiberson Corporation, Dallas, Tex. Surface operated flowing means for wells. 2,347,620; Apr. 25.
Teeter, Wilford H., assignor to General Motors Corporation, Dayton, Ohio. Pressure tank. 2,347,379; Apr. 25.
Telephone Answering and Recording Corporation. (See Shively, J. J., and Van Deventer, assignors.)
Tenkotte, Harry F. (See Jung, N. A., and Tenkotte.)
Tested Appliance Company. (See Dick, H. L., and Oliver, assignors.)
Thiele, Ernest W., assignor to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion process. 2,347,299; Apr. 25.
Thierwechter, Morton E., Toledo, Ohio. Tool. 2,347,300; Apr. 25.
Thinius, Kurt, Ellenburg, Germany; vested in the Alien Property Custodian. Mutual precipitation of polyamides and cellulose. 2,347,525; Apr. 25.
Thirlwell, Thomas W., Mount Vernon, Ohio. Switch. 2,347,342; Apr. 25.
Thomas, William D., Jr. (See Cook, E. W., and Thomas.)
Thompson, John H., assignor to R. R. Thompson, Glendale, Calif. Washer. 2,347,343; Apr. 25.
Thompson, Ruel R. (See Thompson, John H., assignor.)
Thornburg, Herbert W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Counterweighted spudding gear. 2,347,224; Apr. 25.
Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Reduction of nitro hydroxy compounds. 2,347,621; Apr. 25.
Titanium Alloy Manufacturing Company, The. (See Frost, Leon J., assignor.)
Titanium Alloy Manufacturing Company, The. (See Wainer, Eugene, assignor.)
Truesdell, Leonard C., Kansas City, Mo. Electric metering device. 2,347,526; Apr. 25.
Tschanz, Carl A., Moody Field, Valdosta, Ga. Vehicle wheel and tire. 2,347,622; Apr. 25.
Tung-Sol Lamp Works Inc. (See Sitzer, Philip, assignor.)
Turner, Merrill E., University City, Mo. Anchor bolt. 2,347,581; Apr. 25.
Twyman, L. Raymond. (See Harrington, F. T., Twyman, and Robinson.)
Twyman, L. Raymond, J. R. Moser, and H. E. Rose, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,347,301; Apr. 25.
Twyman, L. Raymond, J. R. Moser, and H. E. Rose, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,347,302; Apr. 25.
Ulffers, Heinz, Dresden-Anhalt, Germany; vested in the Alien Property Custodian. System for producing polarized light of predetermined vibratory condition. 2,347,582; Apr. 25.
Union Carbide and Carbon Corporation. (See Olson, Malven L., assignor.)
Union Oil Company of California. (See Polly, O. L., and Byrns, assignors.)
Union Switch & Signal Company, The. (See Agnew, N. F., and Martin, assignors.)
Union Switch & Signal Company, The. (See Johnston, Allan T., assignor.)
United Air Lines, Inc. (See Sandretto, Peter C., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United States Envelope Company. (See Shea, J. J., Irrgang, and Swift, assignors.)
United States Plywood Corporation. (See Anderson, George W., assignor.)
United States Rubber Company. (See Ogilby, Stewart R., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Schmerling, assignors.)
Upper, Frederick A. (See Benner, R. C., and Upper.)
Vanderbilt, Byron M., Cranford, N. J., assignor to Standard Oil Development Company. Cracking of hydrocarbons. 2,347,527; Apr. 25.
Van Deventer, Harry R. (See Shively, J. J., and Van Deventer.)
Vartabedian, Kalusd, Chicago, Ill. Life preserver. 2,347,583; Apr. 25.
Velsicol Corporation. (See Hyman, Julius, assignor.)
Vesely, Josef, Hoddesdon, England. Gun mounting. 2,347,443; Apr. 25.
Vickers-Armstrongs Limited. (See Higson, Percy R., assignor.)
Vickers Incorporated. (See Harrington, F. T., Twyman, and Robinson, assignors.)
Vickers Incorporated. (See Twyman, L. R., Moser, and Rose, assignors.)
Villem, Raymond, Paris, France; vested in the Alien Property Custodian. Marine sound system. 2,347,584; Apr. 25.
Vincent "H. R. D." Company Limited. (See Vincent, Philip C., assignor.)
Vincent, Philip C., assignor to Vincent "H. R. D." Company Limited, Stevenage, England. Compressor for internal combustion engines. 2,347,444; Apr. 25.
Vinco Corporation. (See Bennett, Racy D., assignor.)
Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Door closer. 2,347,380; Apr. 25.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Adhesive applying apparatus. 2,347,445; Apr. 25.
Vore, Herbert G. (See Goodwin, C. W., Martin, and Vore.)
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wagner, Robert, New York, N. Y., assignor to The Dow Chemical Company, Midland, Mich. Sound record and making. 2,347,623; Apr. 25.
Waidelich, James R., Nanuatuck, assignor to The Bristol Company, Waterbury, Conn. Controlling instrument. 2,347,844; Apr. 25.

Wailes, Dove-Hermiston Corporation. (See Focha, William F., assignor.)
Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium oxide refractory and making the same. 2,347,225; Apr. 25.
Wainman, Thomas, Arlington, assignor to Plastic Inlays, Inc., Summit, N. J. Machine for inlaying. 2,347,585; Apr. 25.
Waldie, William A., Oakwood, assignor to New Wrinkle, Inc., Dayton, Ohio. Preparing wrinkle compositions. 2,347,303; Apr. 25.
Waldie, William A., Oakwood, assignor to New Wrinkle, Inc., Dayton, Ohio. Preparing wrinkle compositions. 2,347,304; Apr. 25.
Walker, Crosweller & Company Limited. (See Walker, Richard F., assignor.)
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of reducing agents. 2,347,446; Apr. 25.
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of trioxane. 2,347,447; Apr. 25.
Walker, Richard F., assignor to Walker, Crosweller & Company Limited, Cheltenham, England. Fluid flow indicator. 2,347,305; Apr. 25.
Walker, Richard F., Cheltenham, assignor to Walker Crosweller & Company Limited, Waldron Works, C. Cressent, Cheltenham, Gloucestershire, England. Fluid flow indicator. 2,347,306; Apr. 25.
Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Radiometeorograph transmitting apparatus. 2,347,345; Apr. 25.
Wallace, Robie. (See Stinnett, George R., assignor.)
Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)
Warburton, Alfred N. (See Kirchmann, Henry, Jr.)
Warner Brothers Company, The. (See Phillips, Stanley H., assignor.)
Warren, Carl, Russellville, Ky. Distributing coarse aggregates. 2,347,624; Apr. 25.
Wasson, Clifford H. (See Neer, H. L., Wasson, and Neer.)
Waterhouse Company. (See Rourke, Robert U., assignor.)
Weaver, Burr S., Scotia, N. Y., assignor to General Electric Company. Torque measuring device. 2,347,209; Apr. 25.
Weiser, Earnest F., Erie, Pa., assignor to General Electric Company. Switch. 2,347,528; Apr. 25.
Weldon Tool Company, The. (See Hedin, Oscar C., assignor.)
Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright copper plating. 2,347,448; Apr. 25.
Wessel, Erich. (See Cyron, K., and Wessel.)
West, Kenneth C., Elmwood, Nebr. Package opener. 2,347,381; Apr. 25.
Western Electric Company. (See Bouget, Yves A., assignor.)
Western Electric Company. (See Crist, P. W., and Johansson, assignors.)
Western Electric Company. (See Little, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mosshart, Donald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stearns, Kenneth R., assignor.)
Wheel Trueing Tool Company of Delaware. (See Petrie, John L., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Rectifier system. 2,347,529; Apr. 25.
White, Gerald, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for manufacturing bent, tempered sheets of glass. 2,347,382; Apr. 25.
Whitehill, David H., assignor to Whitehill Engineering Company, Wichita Falls, Tex. Reinforced concrete structure. 2,347,449; Apr. 25.
Whitehill Engineering Company. (See Whitehill, David H., assignor.)
Whitman, Helen, administratrix. (See Whitman, Stewart C.)
Whitman, Stewart C., deceased, by H. Whitman, New York, N. Y., administratrix. Irradiating refrigerator and the like. 2,347,307; Apr. 25.
Whittaker, Edward H., Jersey City, N. J. Sand reconditioning and retempering apparatus. 2,347,226; Apr. 25.
Whitworth, Fairchild, Fairfield, assignor to Sprague Meter Company, Bridgeport, Conn. Relief means for pressure regulators. 2,347,586; Apr. 25.
Wiedemann, Hans, West New York, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,347,625; Apr. 25.
Wiegratz, John, Kempton, W. Va. Vegetable grater. 2,347,383; Apr. 25.
Wiles, Zelma L., Rockford, Ill. Hair cutting guide. 2,347,587; Apr. 25.
Wilgus, Joseph F., Elizabeth, N. J., assignor to American Can Company, New York, N. Y. Container making machine. 2,347,227; Apr. 25.
Williams and Marcus Company. (See Cox, George D., assignor.)
Wilson & Bennett Manufacturing Co. (See Davey, Clarence P., assignor.)
Wilson, Harry. (See Lindsey, W. L., and Wilson.)
Wilson-Jones Company. (See Pitt, William P., assignor.)
Winans, Charles F., Swissvale, Pa., assignor to Koppers Company, Producing anthracene. 2,347,228; Apr. 25.
Winslow, Charles A., L. L. Moore, and W. G. Nostrand, assignors to Winslow Engineering Co., Oakland, Calif. Oil conditioner cartridge. 2,347,384; Apr. 25.
Winslow Engineering Co. (See Winslow, C. A., Moore, and Nostrand, assignors.)
Wirth, Emil O. (See Mock, F. C., and Wirth.)
Wisconsin Electric Power Company. (See Dornbrook, Frederick L., assignor.)
Wolcott, Frank E., West Hartford, assignor to The Silex Company, Hartford, Conn. Steam pressing iron. 2,347,588; Apr. 25.
Woldring, Bert, and J. R. Sebastian, assignors to Rapids-Standard Co., Inc., Grand Rapids, Mich. Conveyer. 2,347,308; Apr. 25.
Wood, Gar, Industries, Inc. (See Shaeffer, George D., assignor.)
Woodbury, John B., South Portland, assignor to Maine Steel, Inc., Portland, Maine. Wire rope socket. 2,347,229; Apr. 25.
Worthington, Emory W. (See Taylor, A., and Worthington.)
Wright, Fred J., Powell, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer mechanism. 2,347,346; Apr. 25.
Wright, Horace C., and I. Jepson, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Cooking device. 2,347,385; Apr. 25.
Wright, Wallace C., Brookfield, N. H. Welt insole. 2,347,530; Apr. 25.
Yardeny, Michel N., New York, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J. Black-out flashlight attachment. 2,347,531; Apr. 25.
Yardeny, Michel N., New York, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J. Flashlight. 2,347,532; Apr. 25.
Yenzer, George R., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating device. 2,347,347; Apr. 25.
Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Electron microscope object chamber. 2,347,348; Apr. 25.
Young, James H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of copper from fused baths. 2,347,450; Apr. 25.
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Zoldok, Stephen W., Oakland, Calif. Knockdown tank. 2,347,309; Apr. 25.
Zuber, Emil F., Peoria, Ill., assignor to The Michigan Silo Company, Kalamazoo, Mich. Concrete block lifter. 2,347,310; Apr. 25.
Zuck, Daniel R., San Diego, Calif. Airplane with nonstalling and glide angle control characteristics. 2,347,230; Apr. 25.

LIST OF PLANT INVENTIONS

Orange tree, Seedless navel. D. J. Nicholson. 625; Apr. 25.

LIST OF DESIGN INVENTIONS

Bracket, Supporting. W. R. Snyder. 137,754; Apr. 25.
Album, Picture. N. D. Mitchell. 137,732; Apr. 25.
Brooch or similar article. A. Katz. 137,730–1; Apr. 25.
Bottle. P. Schwartz. 137,787; Apr. 25.
Cabinet, Low temperature. W. S. Connell. 137,735; Apr. 25.
Casing, Check writing machine. M. G. Stewart. 137,734; Apr. 25.
Chisel. G. M. Gunderson. 137,744; Apr. 25.
Clasp. J. T. Kirkland. 137,731; Apr. 25.
Comb, Back. R. L. Motley. 137,784; Apr. 25.
Display device or similar article, Fish. E. C. Lehman. 137,768; Apr. 25.
Drafting apparatus. W. H. Murphy. 137,749; Apr. 25.
Dress. M. McCoy. 137,748; Apr. 25.
Dress. P. Adler. 137,758–62; Apr. 25.
Dress. M. McCoy. 137,769–73; Apr. 25.
Dress. J. Walker. 137,776; Apr. 25.
Fabric, Textile. H. W. Wilde. 137,755–6; Apr. 25.
Fabric, Textile. E. J. McLaughlin. 137,783; Apr. 25.
Frame, Spectacle. E. Rey. 137,751–3; Apr. 25.
Game board. F. O. Paige. 137,786; Apr. 25.
Gimbal. E. W. Drescher. 137,739; Apr. 25.
Holder for lenses. S. Galper. 137,730; Apr. 25.
Locomotive body, Two-unit. G. A. Jergenson. 137,759; Apr. 25.
Locomotive body, Two-unit. W. D. Otter. 137,785; Apr. 25.
Medallion or similar article. L. A. Koch. 137,745; Apr. 25.
Pin or similar article. A. G. Leary. 137,747; Apr. 25.
Plate or similar article. A. Duhrssen. 137,728–9; Apr. 25.
Poles, Device for erecting and supporting. F. L. Collum. 137,777; Apr. 25.
Pin or similar article. H. Morris. 137,774; Apr. 25.
Range, Kitchen. C. J. Rogers. 137,733; Apr. 25.
Ring, Finger. H. Frackman. 137,743; Apr. 25.
Scarecrow. T. Newhall. 137,750; Apr. 25.
Shoe or similar article. D. D. Goldstein. 137,763–67; Apr. 25.
Skirt. J. Walker. 137,775; Apr. 25.
Stroller and package carrier, Combined. J. E. Du Bois. 137,778; Apr. 25.
Suit, Bathing. E. Wilkens. 137,757; Apr. 25.
Suit, Bathing. T. Leser. 137,782; Apr. 25.
Table and dressing stand, Combination baby bath. K. H. Morrey. 137,736; Apr. 25.
Thermometer and barometer or the like, Combined. B. E. Lawrence. 137,746; Apr. 25.
Tool, Shingle roof patching. R. C. Bradley. 137,738; Apr. 25.
Toy, Wheeled. R. C. Flynt. 137,740–2; Apr. 25.
Wallet. R. S. Berens. 137,725–7; Apr. 25.
Wheel for valves and the like, Hand. G. F. Parkin. 137,737; Apr. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF APRIL, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive and making the same. R. C. Benner and F. A. Upper. 2,347,537; Apr. 25.
Abrasive element. E. W. Colt, L. B. Lane, and J. L. Beatty. 2,347,244; Apr. 25.
Addressing machine. H. P. Elliott. 2,347,404; Apr. 25.
Adhesive applying apparatus. G. W. Von Hofe. 2,347,445; Apr. 25.
Aerial bomb projectile. S. J. Piut. 2,347,279; Apr. 25.
Aerial delivery container for paratroops. W. L. Lindsey and H. Wilson. 2,347,205; Apr. 25.
Air brake. W. A. Baldwin. 2,347,536; Apr. 25.
Airplane with nonstalling and glide angle control characteristics. D. R. Zuck. 2,347,230; Apr. 25.
Air volume control for fluid pressure tanks. J. G. Dorward, Jr. 2,347,472; Apr. 25.
Alarm circuit. E. A. Roundburg. 2,347,507; Apr. 25.
Aldehydes, Recovery of unsaturated. L. U. Spence and F. W. Robinson. 2,347,636; Apr. 25.
Alloy for permanent magnets. W. Dannöhl and H. Neumann. 2,347,543; Apr. 25.
Alternate carrier television system. F. J. Bingley. 2,347,248; Apr. 25.
Amalgamator. G. F. Rotsler. 2,347,284; Apr. 25.
Anchor bolt. M. E. Turner. 2,347,581; Apr. 25.
Anchor pin construction and assembly method. S. Schnell. 2,347,219; Apr. 25.
Angledozer. G. D. Shaeffer. 2,347,290; Apr. 25.
Anthracene, Producing. C. F. Winans. 2,347,228; Apr. 25.
Apparatus and method for making flexible shafting. C. F. Hotchkiss, Jr. 2,347,631; Apr. 25.
Apparatus for coating pipe. W. F. Focha. 2,347,316; Apr. 25.
Apparatus for fabricating wooden panels. T. H. Miller. 2,347,359; Apr. 25.
Apparatus for feeding tiles to spraying machines. W. O. Benning. 2,347,391; Apr. 25.
Apparatus for holding workpieces. R. A. Brown and A. Anderson. 2,347,170; Apr. 25.
Apparatus for manufacturing bent, tempered sheets of glass. G. White. 2,347,382; Apr. 25.
Apparatus for molding. J. S. Little. 2,347,421; Apr. 25.
Apparatus for preparing plates for etching. L. Scarzello, J. Nowatius, and M. Bulin. 2,347,511; Apr. 25.
Apparatus for producing metal bodies. R. K. Hopkins 2,347,413; Apr. 25.
Apparatus for removing foreign material from air. F. A. Schmieg. 2,347,334; Apr. 25.
Apparatus for reseating flush valves or the like. B. Denzler. 2,347,403; Apr. 25.
Apparatus for suspending and releasing objects. H. C. Rofers. 2,347,369; Apr. 25.
Apparatus for treating wells. P. G. Shelley. 2,347,615; Apr. 25.
Armor plate. A. B. Stargardter. 2,347,375; Apr. 25.
Article holding means for cleaning machines. J. J. O'Brien and J. Strad. 2,347,430; Apr. 25.
Ash tray and coaster, Combined. S. B. Larzelere. 2,347,368; Apr. 25.
Asphalt product and preparing the same. T. F. Bradley. 2,347,626; Apr. 25.
Attachment for hypodermic syringes. H. P. Gorman. 2,347,179; Apr. 25.
Attachment for machine tools. H. M. Laxer. 2,347,489; Apr. 25.
Automatic forming machine. F. G. Silva and W. S. Davenport. 2,347,372; Apr. 25.
Bait, Artificial. W. Phillips. 2,347,609; Apr. 25.
Band reel. J. M. Gerrard. 2,347,552; Apr. 25.
Bar; *See*—
Rivet holder or dolly bar.
Bar grinding apparatus. S. A. Platt. 2,347,503; Apr. 25.
Bar-grinding apparatus. S. A. Platt. 2,347,630; Apr. 25.
Battery servicing. R. D. Amsden. 2,347,462; Apr. 25.
Beam bending machine. H. E. Neverdal. 2,347,575; Apr. 25.
Bearing; *See*—
Thrust ball bearing.
Benzalmalononitrile as a pest control agent. W. Moore. 2,347,573; Apr. 25.
Billfold and coin purse, Combined. L. L. Sherwood 2,347,338; Apr. 25.
Blocker means for coin controlled mechanism. H. L. Neer, C. H. Wasson, and R. L. Neer. 2,347,429; Apr. 25.
Boat, Sectional. W. A. Sawyer. 2,347,510; Apr. 25.
Boat storage system and apparatus. J. S. Crandall. 2,347,396; Apr. 25.
Bookkeeping machine. R. Anschutz. 2,347,235; Apr. 25.
Bottle blowing machine. H. P. Cox, Jr. 2,347,161; Apr. 25.
Bottle cleaning apparatus. E. R. Becker. 2,347,458; Apr. 25.
Box; *See*—
Octagonal box.
Brake; *See*—
Air brake. Rotor brake.
Internal shoe drum brake.
Brake. D. J. Ayers. 2,347,388; Apr. 25.
Brake. J. A. Forbes. 2,347,599; Apr. 25.
Brake control system. W. F. Boldt. 2,347,241; Apr. 25.
Brake for wheels. F. J. Linke. 2,347,571; Apr. 25.
Brake mechanism. E. H. Berno. 2,347,236; Apr. 25.
Buckle or center stretch in cold rolled steel strips, Method, and apparatus for measuring. R. B. Beckett. 2,347,454; Apr. 25.
Building block and making it. L. O. Griffith. 2,347,556; Apr. 25.
Calcium hypochlorite. G. G. Day. 2,347,402; Apr. 25.
Calculating machine. R. L. Muller. 2,347,607; Apr. 25.
Calculating machine, cash register, or the like. A. F. Pott. 2,347,610; Apr. 25.
Cam member for engines or the like. V. Palumbo. 2,347,364; Apr. 25.
Camera attachment. P. F. Sperry and P. F. and J. Briskin. 2,347,520; Apr. 25.
Car; *See*—
Drop-bottom mine car.
Carburetion. F. C. Mock and E. O. Wirth. 2,347,427; Apr. 25.
Cartridge, Oil conditioner. C. A. Winslow, L. L. Moore, and W. G. Nostrand. 2,347,384; Apr. 25.
Casting composition. J. R. Hiltner. 2,347,320; Apr. 25.
Catalytic hydrocarbon conversion process. E. W. Thiele. 2,347,200; Apr. 25.
Catalytic reactions with carbonaceous materials. F. Stoewener and F. Becke. 2,347,231; Apr. 25.
Ceramic pigment. C. J. Harbert. 2,347,630; Apr. 25.
Chair. L. A. Heddens. 2,347,476; Apr. 25.
Check strap for looms. J. R. Brandon. 2,347,539; Apr. 25.
Check valve device. J. D. Langdon. 2,347,199; Apr. 25.
Chemical apparatus. J. J. Bradley. 2,347,394; Apr. 25.
Chemical seasoning of wood. F. B. Smith. 2,347,635; Apr. 25.
Circuit; *See*—
Alarm circuit. Electric circuit.
Circuit breaker, Arc-extinguishing. H. Ferret. 2,347,331; Apr. 25.
Cleaner; *See*—
Ditch cleaner. Vacuum cleaner.
Facial cleaner.
Clock. J. Silversteen. 2,347,516; Apr. 25.
Closure for bottles, jars, and similar containers. C. D. Magnesen. 2,347,605; Apr. 25.
Closure for containers in general. G. E. C. Kraft. 2,347,417; Apr. 25.
Clutch for fare registers. H. Y. Mageoch. 2,347,425; Apr. 25.
Clutch mechanism. K. C. Bugg. 2,347,243; Apr. 25.
Collar holder. M. Schulman. 2,347,438; Apr. 25.
Combustion by-products from internal combustion engines, Removing. F. O. Lewis. 2,347,492; Apr. 25.
Comestibles, Preservation of. F. Kiefer. 2,347,486; Apr. 25.
Composite surfacing material and applying the same. C. G. Abernathy. 2,347,233; Apr. 25.
Composition of matter for use as sealers and the like. G. S. Merrill and G. P. Hollingsworth. 2,347,211; Apr. 25.
Compressor for internal combustion engines. P. C. Vincent. 2,347,414; Apr. 25.
Concrete block lifter. E. F. Zuber. 2,347,310; Apr. 25.
Concrete structure, Reinforced. D. H. Whitehill. 2,347,449; Apr. 25.
Container. C. Barbieri. 2,347,236; Apr. 25.
Container. W. B. Crane. 2,347,188; Apr. 25.
Container closure. H. D. Chaffee. 2,347,253; Apr. 25.
Container closure and lining composition. K. Tator. 2,347,618; Apr. 25.
Container making machine. J. F. Wilgus. 2,347,227; Apr. 25.
Containers, Method and apparatus for making. J. J. Shea, W. F. Irrgang, and W. E. Swift, Jr. 2,347,439; Apr. 25.

Control means for hydraulic motors. O. E. Rosen. 2,347,368; Apr. 25.
Control method and apparatus. J. J. Shively and H. R. Van Deventer. 2,347,514; Apr. 25.
Controlling instrument. J. R. Waidelich. 2,347,344; Apr. 25.
Convection section. F. H. Praeger. 2,347,433; Apr. 25.
Conveyer. B. Woldring and J. R. Sebastian. 2,347,308; Apr. 25.
Conveyer mechanism. F. J. Wright. 2,347,346; Apr. 25.
Cooking device. H. C. Wright and I. Jepson. 2,347,385; Apr. 25.
Copper plating, Bright. C. J. Wernlund. 2,347,448; Apr. 25.
Copper plating of mirrors. W. Owen. 2,347,608; Apr. 25.
Corn, Degermination of. E. C. Pattee. 2,347,215; Apr. 25.
Cot, Surgery. G. S. Baker and E. Sullivan. 2,347,389; Apr. 25.
Counterweighted spudding gear. H. W. Thornburg. 2,347,224; Apr. 25.
Coupling: *See*—
Multiple disk shaft coupling.
Pipe coupling.
Single bar shaft coupling.
Cover: *See*—
Pail cover.
Current responsive apparatus, Damping. J. T. Neiswinter and O. P. Horsey. 2,347,497; Apr. 25.
Cutter: *See*—
Ration stamp cutter.
Cutting machine. L. V. Lucia. 2,347,603; Apr. 25.
Cutting machine. H. E. Tautz. 2,347,223; Apr. 25.
Cutting, Method of. J. L. Anderson. 2,347,245; Apr. 25.
Cylinder, Master. W. J. Humphrey. 2,347,349; Apr. 25.
Cylindrical coupling for hollow tubing. G. W. Anderson. 2,347,534; Apr. 25.
Dental implant. E. J. Kresse. 2,347,567; Apr. 25.
Dental operations, Method of and apparatus for performing. J. L. Gothers. 2,347,553; Apr. 25.
Denture, Partial removable. H. M. Smallen. 2,347,340; Apr. 25.
Detergent composition. H. Seyferth. 2,347,336; Apr. 25.
Device for compensating the temperature of systems for distant measurement of the number of revolutions. A. Keller. 2,347,563; Apr. 25.
Device for controlling power circuits. W. Puttfarcken. 2,347,612; Apr. 25.
Device for reducing torsional oscillations. J. Steiger. 2,347,521; Apr. 25.
Directional radio beam for blind landings. C.-E. Granqvist. 2,347,180; Apr. 25.
Disk shaft lock, Multiple. S. T. Smith. 2,347,292; Apr. 25.
Distributing means for coarse aggregate. C. Warren. 2,347,624; Apr. 25.
Ditch cleaner. J. S. Sousa. 2,347,335; Apr. 25.
Ditching machine. H. K. Swank. 2,347,378; Apr. 25.
Doll. G. C. Ford. 2,347,405; Apr. 25.
Door closer. H. G. Voight. 2,347,380; Apr. 25.
Door latch. A. Diemer. 2,347,467–8; Apr. 25.
Door lift mechanism. F. Ditchfield. 2,347,255; Apr. 25.
Drafting. H. Wiedemann. 2,347,625; Apr. 25.
Drawing machine or layout table. O. C. Hedin. 2,347,558; Apr. 25.
Drier: *See*—
Rotary drier.
Rotary air drier.
Drill: *See*—
Rock drill.
Drive mechanism. M. S. Merrill. 2,347,275; Apr. 25.
Drop-bottom mine car. H. H. Pancake. 2,347,277; Apr. 25.
Drugs, Extracting. W. H. Jackson. 2,347,322; Apr. 25.
Duplicating machine. O. B. Rosen. 2,347,367; Apr. 25.
Dyestuffs of the anthraquinone series. E. C. Buxbaum. 2,347,252; Apr. 25.
Dynamoelectric machine. D. F. Smalley. 2,347,517; Apr. 25.
Electric arc welding electrode holder. J. L. Foley and D. B. Malarkey. 2,347,598; Apr. 25.
Electric circuit. T. W. Schroeder. 2,347,512; Apr. 25.
Electric metering device. L. C. Truesdell. 2,347,526; Apr. 25.
Electric power systems, Protection of alternating current. P. H. Light. 2,347,493; Apr. 25.
Electric torch. D. Karo. 2,347,482; Apr. 25.
Electrical contact tip and making same. I. W. Cox. 2,347,172; Apr. 25.
Electrical control system for the operation of braking means of warping or beaming plants. F. Lambach. 2,347,198; Apr. 25.
Electrical measurements, Method and apparatus for effecting. H. Lehde. 2,347,200; Apr. 25.
Electrically lighted lamp. E. Dore. 2,347,313; Apr. 25.
Electrically operated control device. E. Binder. 2,347,590; Apr. 25.
Electrically operated rotary paint brush. G. R. Dillin. 2,347,470; Apr. 25.
Electrocleaning process. F. F. Martin and J. I. Clark. 2,347,572; Apr. 25.
Electrodepostion of copper from fused baths. J. H. Young. 2,347,450; Apr. 25.
Electrodes, Forming. E. Penker. 2,347,501; Apr. 25.
Electrolytic cell systems, Location of faults in. V. F. Hanson. 2,347,408; Apr. 25.
Electrolytic deposition of manganese. P. M. Ambrose. 2,237,451; Apr. 25.
Electron microscope. L. Marton. 2,347,328; Apr. 25.
Electron microscope object chamber. C. J. Young. 2,347,348; Apr. 25.
Emulsion and application therefor, Reversible. J. H. Fritz and E. A. Robinson. 2,347,178; Apr. 25.
Enameling. L. J. Frost. 2,347,187; Apr. 25.
Engine: *See*—
Two-cycle gas engine.
Esters of bis-(2-carboxyethyl)ether. H. A. Bruson. 2,347,627; Apr. 25.
Excavating and truck loading machine. R. A. Beckwith. 2,347,455; Apr. 25.
Exterminator, Insect. E. R. Jowers. 2,347,267; Apr. 25.
Facial cleaner. G. L. Lindblad. 2,347,353; Apr. 25.
Fastener: *See*—
Mortise joint separable fastener.
Fat-soluble vitamin-containing oils, Treating. L. O. Buxton. 2,347,460; Apr. 25.
Fat-soluble vitamin materials, Treatment of. L. O. Buxton. 2,347,461; Apr. 25.
Fat-soluble vitamin-containing fatty materials, Refining and stabilizing. L. O. Buxton. 2,347,462; Apr. 25.
Faucet. R. L. Noyes. 2,347,330; Apr. 25.
Feather handling apparatus. R. C. Pauly. 2,347,431; Apr. 25.
Feed device. N. F. Linn. 2,347,271; Apr. 25.
Feeder: *See*—
Poultry feeder.
Fibrous sheet conditioning machine. R. H. Greene. 2,347,555; Apr. 25.
Filtering device or the like. H. L. Dick and C. B. Oliver. 2,347,184; Apr. 25.
Fire extinguisher. J. E. Fitzsimons. 2,347,548; Apr. 25.
Fishing reel. J. A. Coxe and R. P. McMahon. 2,347,173; Apr. 25.
Flashlight. M. M. Yardeny. 2,347,532; Apr. 25.
Flashlight attachment, Black-out. M. N. Yardeny. 2,347,531; Apr. 25.
Flood control means. H. J. de Costa and J. Obermaier. 2,347,544; Apr. 25.
Floor press. W. E. McDonald. 2,347,604; Apr. 25.
Fluid flow indicator. R. F. Walker. 2,347,305–6; Apr. 25.
Fluid reactants, Contacting. L. C. Huff. 2,347,195; Apr. 25.
Fluids, Processing of flowing. R. L. Rude. 2,347,371; Apr. 25.
Flux dispensing process and apparatus. M. L. Olson. 2,347,498; Apr. 25.
Footwear, Protective. A. J. McGillicuddy. 2,347,191; Apr. 25.
Fragmentary materials, Process and apparatus for separating. G. J. Holt, V. Rakowsky and R. W. Arms. 2,347,264; Apr. 25.
Frame for mounting and supporting mirrors. H. C. Doner. 2,347,176; Apr. 25.
Frequency modulation system. G. M. Brown. 2,347,458; Apr. 25.
Frequency modulation apparatus. W. F. Goetter. 2,347,459; Apr. 25.
Fruit juices, Preserving. G. Singleton. 2,347,339; Apr. 25.
Fuel injection mean for internal combustion engines. V. Palumbo. 2,347,363; Apr. 25.
Fuel pump. L. O. French. 2,347,551; Apr. 25.
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Furnace for heat treating metal articles. J. A. Csepely. 2,347,400; Apr. 25.
Game. R. R. Riehle. 2,347,506; Apr. 25.
Garment hanger. R. E. Kearns. 2,347,414; Apr. 25.
Garment side closure. C. G. Leubrie. 2,347,354; Apr. 25.
Garments, Manufacture of. H. Rohrer. 2,347,578; Apr. 25.
Gaseous discharge lamp and starting mechanism therefor. P. Sitzer. 2,347,222; Apr. 25.
Gasolines, Producing. A. G. Peterkin. 2,347,216; Apr. 25.
Gauge: *See*—
Pressure gauge.
Gear: *See*—
Counterweighted spudding gear.
Gear and the like, Hoisting. R. C. Clarke. 2,347,395; Apr. 25.
Girder for aircraft structure. K. Cyron and E. Wessel. 2,347,542; Apr. 25.
Glazed ceramic bodies, Manufacture of. G. J. Bair. 2,347,535; Apr. 25.
Glow sheet and manufacturing the same, Fluorescent. A. R. Russell. 2,347,285; Apr. 25.
Glutamic acid, Preparation of. P. R. Shildneck. 2,347,220; Apr. 25.
Grater, Vegetable. J. Weigratz. 2,347,383; April. 25.
Grid device. C. Herzog. 2,347,262; Apr. 25.
Grinding wheels, Dressing. W. F. Ross. 2,347,283; Apr. 25.
Gun mounting. A. G. Frazer-Nash. 2,347,406; Apr. 25.
Gun, Automatic. P. R. Higson. 2,347,559; Apr. 25.
Gun mounting. J. Vesely. 2,347,443; Apr. 25.

Hair cutting guide. Z. L. Wiles. 2,347,587; Apr. 25.
Hand beading tool. J. W. Baldwin. 2,347,390; Apr. 25.
Hand wheel for valves and the like. G. F. Parkin and L. A. Brown. 2,347,634; Apr. 25.
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Harvest wagon. G. R. Stinnett. 2,347,522; Apr. 25.
Harvesting mechanism. L. A. Paradise. 2,347,365; Apr. 25.
Headwear. R. Solman. 2,347,442; Apr. 25.
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Holder for self-heating ration containers. N. T. Naranick. 2,347,212; Apr. 25.
Holding device. H. M. Morrow. 2,347,329; Apr. 25.
Hollow glass bodies, Making. K. Rudolph. 2,347,614; Apr. 25.
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Hose nozzle. H. D. Graham. 2,347,476; Apr. 25.
Hosiery. E. W. Boedeker. 2,347,457; Apr. 25.
Humidifier. R. E. Legeman. 2,347,490; Apr. 25.
Hydrocarbons and hydrofluoric acid, Treatment of mixtures of. J. D. Gibson. 2,347,317; Apr. 25.
Hydrocarbons, Converting. F. E. Frey. 2,347,256; Apr. 25.
Hydrocarbons, Cracking of. B. M. Vanderbilt. 2,347,527; Apr. 25.
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Hydrochloric acid, Purifying. F. L. Frost, Jr., 2,347,257; Apr. 25.
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Internal shoe drum brake. F. G. Parnell. 2,347,366; Apr. 25.
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Liquid level. G. V. Rylsky. 2,347,218; Apr. 25.
Liquid level indicating system for use in treating wells. O. E. Barstow. 2,347,589; Apr. 25.
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Loose-leaf binder. W. P. Pitt. 2,347,278; Apr. 25.
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Seat or back, Resilient. A. Story. 2,347,617; Apr. 25.
Self-tapping screw. H. G. Muenchinger. 2,347,360; Apr. 25.
Sequence valve. R. D. Bennett. 2,347,238; Apr. 25.
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Sheet scoring and severing machine. G. D. Cox. 2,347,254; Apr. 25.
Shingle and making the same. C. B. Burnett. 2,347,250; Apr. 25.
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Slack adjuster. W. R. Freeman. 2,347,166; Apr. 25.
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Stop mechanism. H. A. Simmonds and E. M. McIlvaine. 2,347,221; Apr. 25.
Storage battery terminal. L. R. Beckman. 2,347,168; Apr. 25.
Storage device. W. E. Saxe. 2,347,437; Apr. 25.
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CLASSIFICATION OF PATENTS

ISSUED APRIL 25, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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